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Date:
February 10, 2014

ARCADIS Project No.:
MA000725.0109

Subject:
Tibbetts Road Overburden Excavation Project Summary

Introduction

ARCADIS U.S., Inc. (ARCADIS) on behalf of Ford Motor Company, Inc. (Ford) performed a Geoprobe investigation of the overburden on the Tibbetts Road property (Site) in the spring of 2011 to determine the source and extent of volatile organic compounds (VOCs) in soil and groundwater likely contributing to ongoing groundwater impacts detected in well EW-10S. The investigation included advancement of 22 soil borings (HP-1 through HP-21 and HP-17A) and identified VOC impacted soil upgradient of well EW-10S at depths between 9 and 13 feet below grade. On February 2, 2012, the results of this investigation were reported to the United States Environmental Protection Agency (USEPA). On April 29, 2013, ten additional Geoprobe soil borings (HP-22 through HP-31) were advanced to further delineate the lateral and vertical extent of VOC-impacted soils in the vicinity of HP-03, HP-10, and HP-18. **Table 1** and **Figure 1** provide details on these borings. Based upon the results of these Geoprobe investigations, the source of VOC-impacted soil upgradient of well EW-10S appeared limited to a depth of 9 to13 feet below grade. The existing soils from 0 to 9 feet below ground surface did not exhibit a VOC concentration above either analytical detection limits or the current clean-up standards applicable to the Site. In June 2013, a limited overburden excavation of the VOC-impacted soil was conducted. A summary of that Overburden Excavation Project is provided below.

SDMS Doc ID 553706

Objectives

The objectives of the Overburden Excavation Project included:

- Removal and off-site disposal of VOC-impacted overburden soil; and
- Reduction of future impacts to Site groundwater from this source area.

On July 10, 2012, an Overburden Excavation Work Plan was prepared by ARCADIS and submitted to the USEPA and the New Hampshire Department of Environmental Services. The Work Plan was approved by the USEPA on July 30, 2012 prior to initiation of the work.

Pre-Construction Activities

(a) Utility Clearance

The excavation area was pre-marked and Dig Safe ticket #20132108235 was created to mark underground utilities entering the Site in the location of the proposed excavation activities. No underground or aboveground utilities were identified in the work area.

(b) Site Preparation

Following approval of the work plan, site preparation activities were conducted in November 2012 and June 2013. The site preparation activities included:

- Coordination with adjacent property owner for access approval.
- Establishment of a soil staging and management area – VOC-impacted soils were stockpiled on one layer of 6 mil polyethylene sheeting and covered by a continuous layer of 6 mil polyethylene sheeting.
- Establishment of erosion control measures in the soil staging and work areas through the use of hay bales.
- Tree and brush clearing.
- Establishment of horizontal limits of the proposed excavation using hand-held Global Positioning System (GPS) to replicate locations of the previous Geoprobe soil borings.

(c) Pre-Excavation Soil Characterization

As stated above, in 2011 and 2013, prior to excavation of the VOC-impacted soils, Geoprobe soil borings (HP-1 through HP-31) were advanced to delineate the lateral and vertical extent of VOC-impacted soils in the vicinity of well EW-10S. In general, the soils consisted of fine to medium or fine to coarse sand from the ground surface to depths up to 11 feet below ground surface (bgs).

Soils consisted of orange-brown to grey silt and sand, with some pebbles/weathered rock fragments (till) until refusal between 10 and 15 feet bgs. Elevated concentrations of VOCs were identified between 9 and 13 feet bgs in the vicinity of HP-3, HP-10, and HP-13. In the area of these "hot spots", soil consisted of grayish silty sand with visual staining and olfactory evidence of impact. Groundwater was encountered at approximately 5.65 feet bgs in well EW-10S, located seven feet from the excavation area. Soil samples were collected from each boring and analyzed for VOCs by USEPA Method 8260B. A detailed description of the soil boring program and results was presented in the previously submitted Overburden Investigation Report (February 2, 2012).

During the April 2013 Geoprobe investigation, an additional soil sample was collected (HP-03-02) from the location with the highest reported VOC concentration in 2011. This sample was submitted to Test America for waste pre-characterization analysis to determine the appropriate waste disposal option, expedite off-site disposal, and minimize on-site temporary stockpiling. The analyses performed included VOCs by USEPA Method 8260, Diesel Range Organics (DRO) by USEPA Method 8015B, and Polychlorinated Biphenyls (PCBs) by USEPA Method 8082. These parameters were required by the receiving facility for determination of acceptance. Based on the results of the analytical data, it was determined that the soils were acceptable for in-state Low-Temperature Thermal Desorption (LTTD) treatment at the ESMI facility in Louden, New Hampshire. The pre-characterization soil sampling analytical laboratory reports are included in **Attachment A**.

Construction Activities

(a) Groundwater Dewatering

On June 4, 2013, prior to excavation, Your Environmental Solutions, Inc. (YES) of Raynham, Massachusetts, set up and operated a dewatering pump in adjacent well EW-10S to dewater the excavation area. During excavation activities, groundwater was not encountered until near the bottom of the excavation at approximately 14 feet bgs. Groundwater from well EW-10S was pumped to a temporary holding tank on-site. Upon completion of all excavation activities, the treated groundwater within the holding tank was fed through liquid granular activated carbon (GAC), sampled and analyzed for VOCs prior to discharge on-site. An estimated total of 100 gallons of groundwater was removed and treated.

(b) Soil Excavation

Between June 5th and 7th, 2013, YES conducted construction activities associated with the excavation, stockpiling, loading, transportation and disposal of approximately 130 cubic yards or 192.91 tons of VOC-impacted soil over an estimated area of 1,200 square feet **(Figure 2)**. YES excavated and temporarily stockpiled the upper nine feet of non-impacted soil on-site. Prior to

transitioning between contaminated and clean overburden soils, the excavator bucket was decontaminated by removing all soil adhered to the bucket. The limits of the excavation were determined by a combination of the following methods; PID readings (below levels observed in previous soil borings which did not correlate to concentrations above NH Soil Criteria), visual observation, previous soil boring laboratory results, and/or physical site limitations.

Vertical Extent: In general, the excavation was advanced to a maximum depth between 14 and 15 feet bgs across the entire excavation. These depths corresponded to drops in PID readings indicating the bottom of the VOC-impacted soils had been reached. Two floor samples (NE-BOT and NW COR BOT) were collected following excavation activities. Results are discussed in Section (d) below.

Lateral Extent: The lateral extent of excavation was defined prior to implementation as discussed in Section (c) of Pre-Construction Activities above. Final excavation limits were defined in the field as follows:
North: Extended adjacent to soil borings HP-2 and HP-23, both of which had previous analytical results below NH Soil Criteria. A North Wall confirmatory sample (NW Wall) was collected from 11 to 13 feet bgs.
East: Visual observations of the absence of the impacted grey silty material and PID readings below 5 ppm. A confirmatory soil sample (EAST WALL) was collected at this location.
South: Extended adjacent to soil borings HP-11, HP-18, and HP-27. Previous analytical results for soil boring HP-27 indicated no exceedances of NH Soil Criteria.
West: Seven feet from well EW-10S where confirmatory soil sample WEST WALL was collected. The extent of the excavation was limited to the west due to the existing monitoring wells and soil boring HP-17. As PID screenings indicated, as much soil from these side walls as possible was excavated.

(c) Stockpiling

Clean soils (0-9 feet bgs) were temporarily stockpiled on the ground adjacent to the excavation.

VOC-impacted soils removed from the excavation area were placed on one layer of 6 mil polyethylene sheeting and covered with a second continuous layer of 6 mil polyethylene sheeting. The top polyethylene sheeting was secured to provide protection from rainfall infiltration and generation of fugitive dust.

(d) Confirmatory Soil Collection

On June 5 and 6, 2013, an ARCADIS representative collected five (5) confirmatory soil samples from the west, north, and east walls, and two samples from the bottom of the completed

excavation (WEST WALL, NW WALL, EAST WALL, NE-BOT, and NW COR BOT) to determine if the remedial objectives were accomplished. All five samples were submitted to Test America Laboratories, Inc. in Nashville, Tennessee under chain-of-custody to be analyzed for VOCs by USEPA Method 8260B.

Floor Samples: The analytical results for the two floor samples (NE-BOT and NW COR BOT) were less than the applicable NH Soil Criteria for all parameters.

Sidewall Samples: The analytical results for the three soil samples collected were less than the applicable NH Soil Criteria for all parameters with the exception of two compounds which were not previously detected during pre-excavation soil characterization and were not considered COCs. The post-excavation soil sample results are summarized in the results and conclusions section below and the locations are shown on **Figure 2**. The post-excavation soil sampling analytical laboratory data is summarized in **Table 2** and the laboratory reports are included in **Attachment A**.

(e) Backfilling and Site Restoration

On June 7, 2013, the excavation was backfilled with clean soil from the upper 9 feet bgs and supplemented with imported backfill material to bring the area to final grade. Compacting was performed following completion of backfilling. At the request of the adjacent property owner, the grading was done so that the slope of the area ran away from the adjacent property. Once backfilled, compacted, and graded, the excavation was covered with approximately 4 inches of loam and hydro-seeded.

In addition, on September 27, 2013, seven Green Giant evergreens and one lilac bush were planted on the northern boundary between the Site and adjacent property to provide a landscape screen.

Management of Remediation Wastes

Generated remedial waste was managed in accordance with applicable local, state, and federal regulations and included the following:

Excavated VOC-impacted soil was temporarily stockpiled on poly sheeting and covered with poly each night. On June 6, 2013, the stockpiled material was loaded by YES into haul trucks and transported off-site by EQ Northeast to ESMI of New Hampshire Facility in Louden, NH for thermal desorption treatment. Approximately 130 cubic yards or 192.91 tons of stockpiled soil was transported off-site under a Bill of Lading (BOL). A copy of the weight tickets and BOLs are included in **Attachment B**.

Site photographs taken by ARCADIS during the overburden excavation activities can be found in **Attachment C**.

Results and Conclusions

ARCADIS and its subcontractor YES performed a limited soil excavation project for the purpose of removing VOC-impacted soil in the vicinity of soil borings HP-03, HP-10, and HP-18. A total of 130 cubic yards or 193 tons of VOC-impacted soils were removed, transported and recycled off-site from June 4th to 7th, 2013.

On June 5 and 6, 2013, an ARCADIS representative collected five (5) confirmatory soil samples from the west wall, the northern wall, the eastern wall and two samples from the bottom of the completed excavation (WEST WALL, NW WALL, EAST WALL, NE-BOT, and NW COR BOT) to determine if the remedial objectives were accomplished.

The following VOCs were detected above their respective laboratory Reporting Limits in the soil: 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, 1,2-dichloroethane, 1,3,5-trimethylbenzene, 2-chlorotoluene, 4-chlorotoluene, ethylbenzene, isopropylbenzene, m-xylene & p-xylene, n-butylbenzene, N-propylbenzene, naphthalene, o-xylene, p-isopropyltoluene, sec-butylbenzene, and toluene. Of these compounds detected, only 1,1,2-trichloroethane and 1,2,3-trichloropropane were detected above applicable NH soil criteria in one sample (NW WALL). Average soil concentrations for these two compounds were all below NH Soil Criteria.

Prior to excavation activities, analytical results of the three soil borings (HP-03, HP-10, and HP-18) exhibited concentrations of total VOCs between 526 mg/kg and 3,304 mg/kg. Total VOCs in the post-excavation confirmatory samples ranged from non-detect to 13.6 mg/kg. The post-excavation soil sampling analytical laboratory reports are included in **Attachment A**.

Table 1. Summary of Analytical Results, 2013 Overburden Investigation, Tibbetts Road Site, Barrington, NH

Chemical Name	NH S-1 Criteria	NH S-2 Criteria	NH S-3 Criteria	Location ID:	HP-03	HP-22	HP-23	HP-24	HP-25	HP-26	HP-27	HP-28	HP-29	HP-30	HP-31
				Sample Date:	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013
				Sample Name:	HP-03-2 (9-10)	HP-22 (9-10)	HP-23 (12-13)	HP-24 (6-7)	HP-25 (4-5)	HP-26 (5-6)	HP-27 (6-7)	HP-28 (6-7)	HP-29 (7-8)	HP-30 (6-7)	HP-31 (7-8)
VOCs															
1,1,1,2-Tetrachloroethane	0.8	0.8	0.8		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,1,1-Trichloroethane	78	78	78		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,1,1,2-Tetrachloroethane	4	4	4		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,1,2-Trichloroethane	0.1	0.1	0.1		< 2.30	< 0.255	< 0.322	< 0.242	< 0.246	< 0.250	< 0.294	< 0.229	< 0.268	< 0.312	< 0.232
1,1-Dichloroethane	3	3	3		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,1-Dichloroethene	2	8	14		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,1-Dichloropropene	NA	NA	NA		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,2,3-Trichlorobenzene	NA	NA	NA		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,2,3-Trichloropropane	0.2	0.6	0.6		< 0.921	**0.209**	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	**0.501**	< 0.0926
1,2,4-Trichlorobenzene	19	19	19		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,2,4-Trimethylbenzene	130	130	130		**191**	< 0.102	**0.526**	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,2-Dibromo-3-Chloropropane	NA	NA	NA		< 2.30	< 0.255	< 0.322	< 0.242	< 0.246	< 0.250	< 0.294	< 0.229	< 0.107	< 0.312	< 0.232
1,2-Dibromoethane (EDB)	NA	NA	NA		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,2-Dichlorobenzene	88	88	88		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,2-Dichloroethane	0.1	0.1	0.1		< 0.921	**0.0682 J**	< 0.129	**0.0656 J**	**0.0604 J**	**0.0641 J**	**0.0782 J**	**0.0608 J**	**0.0694 J**	**0.0819 J**	**0.0629 J**
1,2-Dichloropropane	0.1	0.1	0.1		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,3,5-Trichlorobenzene	340	3000	3000		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,3,5-Trimethylbenzene	96	96	96		**67.6**	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,3-Dichlorobenzene	150	150	150		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,3-Dichloropropane	0.1	0.1	0.1		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
1,4-Dichlorobenzene	7	7	7		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
2,2-Dichloropropane	NA	NA	NA		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
2-Butanone (MEK)	51	51	51		< 23	< 2.55	< 3.22	< 2.42	< 2.46	< 2.50	< 2.94	< 2.29	< 2.68	< 3.12	< 2.32
2-Chlorotoluene	15	15	15		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
2-Hexanone	NA	NA	NA		< 23	< 2.55	< 3.22	< 2.42	< 2.46	< 2.50	< 2.94	< 2.29	< 2.68	< 3.12	< 2.32
4-Chlorotoluene	2400	21000	21000		< 0.921	< 0.102	**0.22**	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
4-Methyl-2-pentanone (MIBK)	29	29	29		< 23	< 2.55	< 3.22	< 2.42	< 2.46	< 2.50	< 2.94	< 2.29	< 2.68	< 3.12	< 2.32
Acetone	75	75	75		< 23	< 2.55	< 3.22	< 2.42	< 2.46	< 2.50	< 2.94	< 2.29	< 2.68	< 3.12	< 2.32
Benzene	0.3	0.3	0.3		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Bromobenzene	NA	NA	NA		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Bromochloromethane	NA	NA	NA		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Bromoform	0.1	0.1	0.1		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Bromomethane	0.3	0.3	0.3		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Carbon disulfide	460	460	460		< 2.30	< 0.255	< 0.322	< 0.242	< 0.246	< 0.250	< 0.294	< 0.229	< 0.268	< 0.312	< 0.232
Carbon tetrachloride	12	12	12		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Chlorobenzene	NA	NA	NA		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Chlorodibromomethane	NA	NA	NA		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Chloroethane	NA	NA	NA		< 2.30	< 0.255	< 0.322	< 0.242	< 0.246	< 0.250	< 0.294	< 0.229	< 0.268	< 0.312	< 0.232
Chloroform	NA	NA	NA		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Chloromethane	3	3	3		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
cis-1,2-Dichloroethene	2	2	2		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
cis-1,3-Dichloropropene	0.1	0.1	0.1		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Dibromomethane	NA	NA	NA		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Dichlorobromomethane	1	1	1		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Dichlorodifluoromethane	1000	2500	5000		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Diethyl ether	3900	3900	3900		< 4.61	< 0.511	< 0.643	< 0.484	< 0.492	< 0.500	< 0.588	< 0.457	< 0.536	< 0.624	< 0.463
Diisopropyl ether	10	10	10		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Ethyl tert-butyl ether	0.7	0.7	0.7		< 2.30	< 0.255	< 0.322	< 0.242	< 0.246	< 0.250	< 0.294	< 0.229	< 0.268	< 0.312	< 0.232
Ethylbenzene	140	140	140		**185**	< 0.102	**0.411**	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Hexachlorobutadiene	7	33	33		< 0.921	< 0.255	< 0.322	< 0.242	< 0.246	< 0.250	< 0.294	< 0.229	< 0.268	< 0.312	< 0.232
Isopropylbenzene	330	330	330		**26.2**	< 0.102	**0.547**	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
m-Xylene & p-Xylene	NA	NA	NA		**799**	< 0.153	**0.559**	< 0.145	**0.0746 J**	< 0.150	< 0.176	< 0.137	< 0.161	< 0.187	< 0.139
Methyl tert-butyl ether	0.2	0.2	0.2		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Methylene Chloride	NA	NA	NA		< 4.61	< 0.511	< 0.643	< 0.484	< 0.492	< 0.500	< 0.588	< 0.457	< 0.536	< 0.624	< 0.463
n-Butylbenzene	110	110	110		**60.5**	< 0.102	**2.45**	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
N-Propylbenzene	85	85	85		**25.8**	< 0.102	**0.677**	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Naphthalene	NA	NA	NA		**68.3**	< 0.255	**0.133 J**	< 0.242	< 0.246	< 0.250	< 0.294	< 0.229	< 0.268	< 0.312	< 0.232

Table 1. Summary of Analytical Results, 2013 Overburden Investigation, Tibbetts Road Site, Barrington, NH

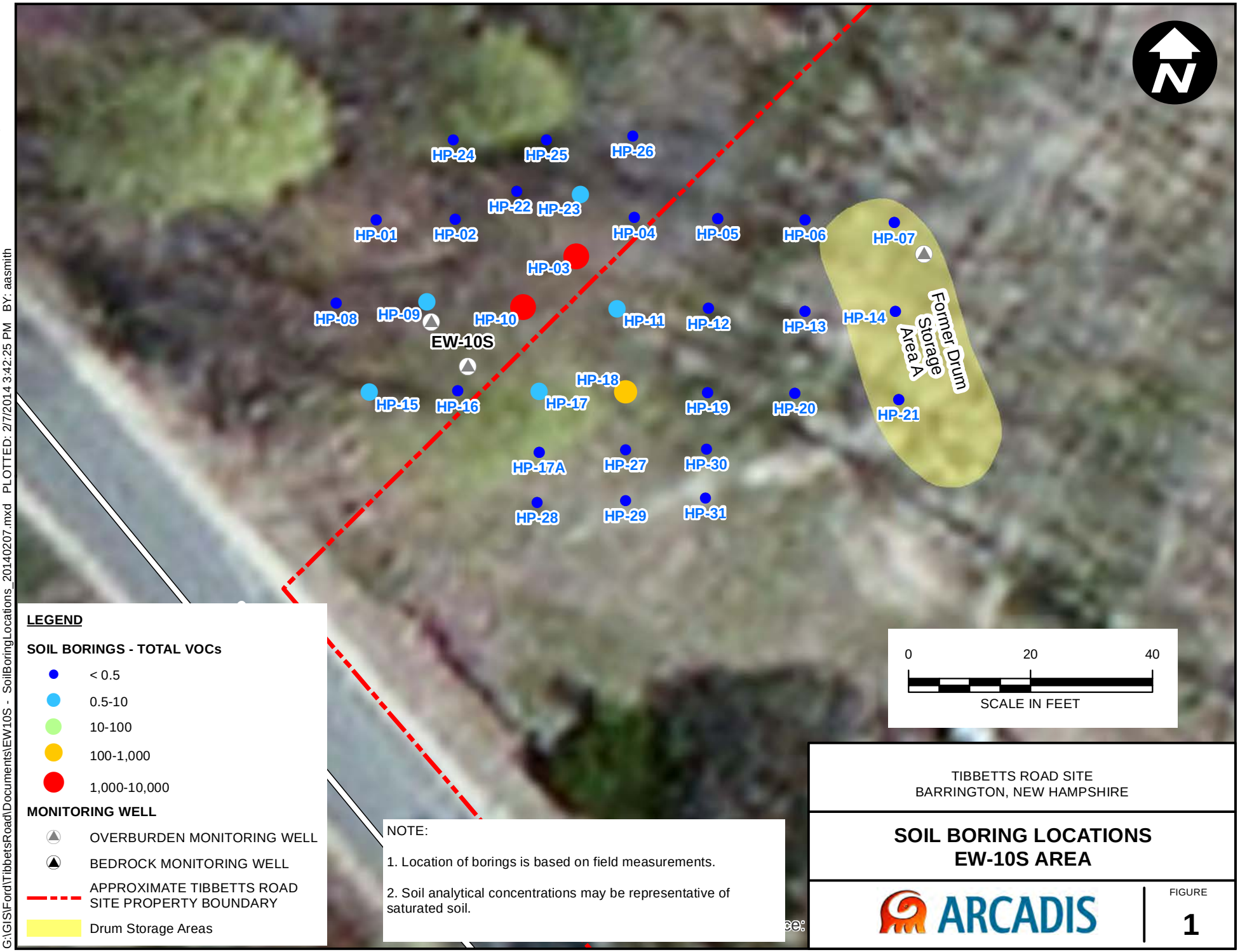
Chemical Name	NH S-1 Criteria	NH S-2 Criteria	NH S-3 Criteria	Location ID: / Sample Date: / Sample Name:	HP-03 4/29/2013 HP-03-2 (9-10)	HP-22 4/29/2013 HP-22 (9-10)	HP-23 4/29/2013 HP-23 (12-13)	HP-24 4/29/2013 HP-24 (6-7)	HP-25 4/29/2013 HP-25 (4-5)	HP-26 4/29/2013 HP-26 (5-6)	HP-27 4/29/2013 HP-27 (6-7)	HP-28 4/29/2013 HP-28 (6-7)	HP-29 4/29/2013 HP-29 (7-8)	HP-30 4/29/2013 HP-30 (6-7)	HP-31 4/29/2013 HP-31 (7-8)
VOCs															
o-Xylene	NA	NA	NA		**294**	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
p-Isopropyltoluene	3400	30000	30000		**16.7**	< 0.102	**1.59**	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
sec-Butylbenzene	130	130	130		**10.9**	< 0.102	**1.04**	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Styrene	17	17	17		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Tert-amyl methyl ether	3	3	3		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
tert-Butyl alcohol (TBA)	2	2	2		< 23	< 2.55	< 3.22	< 2.42	< 2.46	< 2.50	< 2.94	< 2.29	< 2.68	< 3.12	< 2.32
tert-Butylbenzene	100	100	100		**2.09**	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Tetrachloroethene	2	2	2		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Tetrahydrofuran	200	640	5900		< 9.21	< 1.02	< 0.129	< 0.967	< 0.985	< 1.00	< 1.18	< 0.915	< 0.107	< 1.25	< 0.926
Toluene	100	100	100		**321**	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
trans-1,2-Dichloroethene	9	9	9		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
trans-1,3-Dichloropropene	NA	NA	NA		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Trichloroethene	0.8	0.8	0.8		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Trichlorofluoromethane	1000	2500	5000		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Vinyl chloride	1	3	9		< 0.921	< 0.102	< 0.129	< 0.0967	< 0.0985	< 0.100	< 0.118	< 0.0915	< 0.107	< 0.125	< 0.0926
Xylenes, Total	500	1000	1500		**1090**	< 0.255	**0.559**	< 0.242	**0.0746 J**	< 0.250	< 0.294	< 0.229	< 0.268	< 0.312	< 0.232
VOCs, Total					3158.09	0.209	8.579	0	0	0	0	0	0	0.501	0
Diesel Range Organics															
DRO (C10-C28)	10000	10000	10000	mg/kg	2520	--	--	--	--	--	--	--	--	--	--
PCBs															
PCB-1260	1	10	25	mg/kg	0.0787	--	--	--	--	--	--	--	--	--	--
Metals															
Arsenic	11	11	29	mg/kg	10.1	--	--	--	--	--	--	--	--	--	--
Barium	1000	2500	5000	mg/kg	35.6	--	--	--	--	--	--	--	--	--	--
Cadmium	33	280	280	mg/kg	< 1.07	--	--	--	--	--	--	--	--	--	--
Chromium	1000	2500	5000	mg/kg	6.44 B	--	--	--	--	--	--	--	--	--	--
Lead	400	400	400	mg/kg	4.57	--	--	--	--	--	--	--	--	--	--
Mercury	6	52	52	mg/kg	< 2.15	--	--	--	--	--	--	--	--	--	--
Selenium	180	1600	1600	mg/kg	< 1.07	--	--	--	--	--	--	--	--	--	--
Silver	89	680	680	mg/kg	< 107	--	--	--	--	--	--	--	--	--	--
Miscellaneous															
% Dry Solids	NA	NA	NA	%	90	94	90	89	91	89	85	91	89	88	91

NA - Not available.
-- - not sampled
J - Estimated concentration. Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
Bold Shaded - Exceeds NH soil Criteria

Table 2. Summary of Analytical Results, 2013 Overburden Excavation, Tibbetts Road Site, Barrington, NH

Chemical Name	NH S-1 Criteria mg/kg	NH S-2 Criteria mg/kg	NH S-3 Criteria mg/kg	NH GW-1 Criteria ug/L	NH GW-2 Criteria ug/L	Location ID:	OB Excavation	OB Excavation	OB Excavation	OB Excavation	OB Excavation	OB Excavation
						Sample Date:	6/5/2013	6/5/2013	6/6/2013	6/5/2013	6/5/2013	6/5/2013
						Sample Name:	NE-BOT	NW COR BOT	EAST WALL	WEST WALL	NW WALL	OB EXC GW
						Unit:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L
VOCs												
1,1,1,2-Tetrachloroethane	0.8	0.8	0.8	70	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,1,1-Trichloroethane	78	78	78	200	20000		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,1,2,2-Tetrachloroethane	4	4	4	2	1000		< 0.117	< 0.122	< 0.0979	< 0.129	**0.0805 J**	< 0.5
1,1,2-Trichloroethane	0.1	0.1	0.1	5	500		< 0.293	< 0.304	< 0.245	< 0.322	**0.588**	< 0.5
1,1-Dichloroethane	3	3	3	81	10000		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,1-Dichloroethene	2	8	14	7	1000		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,1-Dichloropropene	NA	NA	NA	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,2,3-Trichloropropane	0.2	0.6	0.6	40	NA		**0.0338 J**	< 0.122	< 0.0979	**0.0550 J**	**0.641**	< 0.5
1,2,4-Trichlorobenzene	19	19	19	70	1000		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,2,4-Trimethylbenzene	130	130	130	330	3000		**1.13**	**0.0813 J**	< 0.0979	**0.188**	**1.31**	< 0.5
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA		< 0.293	< 0.304	< 0.245	< 0.322	< 0.295	< 5.0
1,2-Dibromoethane (EDB)	NA	NA	NA	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,2-Dichlorobenzene	88	88	88	600	20000		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,2-Dichloroethane	0.1	0.1	0.1	5	300		**0.0785 J**	**0.0840 J**	**0.0665 J**	**0.0903 J**	**0.0834 J**	< 0.5
1,2-Dichloropropane	0.1	0.1	0.1	5	200		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,3,5-Trichlorobenzene	340	3000	3000	40	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,3,5-Trimethylbenzene	96	96	96	330	1000		**0.372**	< 0.122	< 0.0979	**0.0693 J**	**0.521**	< 0.5
1,3-Dichlorobenzene	150	150	150	600	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,3-Dichloropropane	0.1	0.1	0.1	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
1,4-Dichlorobenzene	7	7	7	75	50000		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
2,2-Dichloropropane	NA	NA	NA	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
2-Butanone (MEK)	51	51	51	4000	50000		< 2.93	< 3.04	< 2.45	< 3.22	< 2.95	**38.9 J**
2-Chlorotoluene	15	15	15	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	**0.0780 J**	< 0.5
2-Hexanone	NA	NA	NA	NA	NA		< 2.93	< 3.04	< 2.45	< 3.22	< 2.95	< 10
4-Chlorotoluene	2400	21000	21000	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	**0.0685 J**	< 0.5
4-Methyl-2-pentanone (MIBK)	29	29	29	2000	50000		< 2.93	< 3.04	< 2.45	< 3.22	< 2.95	< 0.5
Acetone	75	75	75	6000	NA		< 2.93	< 3.04	< 2.45	< 3.22	< 2.95	**25.6 J**
Benzene	0.3	0.3	0.3	5	2000		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Bromobenzene	NA	NA	NA	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Bromochloromethane	NA	NA	NA	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Bromoform	0.1	0.1	0.1	4	2000		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Bromomethane	0.3	0.3	0.3	10	10		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Carbon disulfide	460	460	460	70	NA		< 0.293	< 0.304	< 0.245	< 0.322	< 0.295	< 0.5
Carbon tetrachloride	12	12	12	5	40		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Chlorobenzene	NA	NA	NA	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Chlorodibromomethane	NA	NA	NA	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Chloroethane	NA	NA	NA	NA	NA		< 0.293	< 0.304	< 0.245	< 0.322	< 0.295	< 0.5
Chloroform	NA	NA	NA	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Chloromethane	3	3	3	30	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
cis-1,2-Dichloroethene	2	2	2	70	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
cis-1,3-Dichloropropene	0.1	0.1	0.1	0.4	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Dibromomethane	NA	NA	NA	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Dichlorobromomethane	1	1	1	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Dichlorodifluoromethane	1000	2500	5000	1000	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Diethyl ether	3900	3900	3900	1400	NA		< 0.587	< 0.608	< 0.489	< 0.643	< 0.589	< 0.5
Diisopropyl ether	10	10	10	120	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Ethyl tert-butyl ether	0.7	0.7	0.7	40	NA		< 0.293	< 0.304	< 0.245	< 0.322	< 0.295	< 0.5
Ethylbenzene	140	140	140	700	50000		**0.975**	**0.0762 J**	< 0.0979	**0.162**	**1.39**	< 0.5
Hexachlorobutadiene	7	33	33	0.5	NA		< 0.293	< 0.304	< 0.245	< 0.322	< 0.295	< 1.0
Isopropylbenzene	330	330	330	800	NA		**0.155**	< 0.122	< 0.0979	< 0.129	**0.18**	< 0.5
m-Xylene & p-Xylene	NA	NA	NA	NA	NA		**4.42**	**0.283**	< 0.0979	**0.623**	**4.87**	< 0.5
Methyl tert-butyl ether	0.2	0.2	0.2	13	10000		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Methylene Chloride	NA	NA	NA	NA	NA		< 0.587	< 0.608	< 0.489	< 0.489	< 0.589	**2.18 J**
n-Butylbenzene	110	110	110	260	NA		**0.28**	< 0.122	< 0.0979	**0.0742 J**	**0.126**	< 0.5
N-Propylbenzene	85	85	85	260	NA		**0.124**	< 0.122	< 0.0979	< 0.129	**0.179**	< 0.5
Naphthalene	NA	NA	NA	20	20000		**0.401**	< 0.304	< 0.245	< 0.322	**0.649**	< 5.0
o-Xylene	NA	NA	NA	NA	NA		**1.63**	**0.137**	< 0.0979	**0.276**	**1.76**	< 0.5
p-Isopropyltoluene	3400	30000	30000	260	NA		**0.0941 J**	< 0.122	< 0.0979	< 0.129	**0.183**	< 0.5
sec-Butylbenzene	130	130	130	260	NA		**0.0599 J**	< 0.122	< 0.0979	< 0.129	**0.0705 J**	< 0.5
Styrene	17	17	17	100	50000		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Tert-amyl methyl ether	3	3	3	140	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
tert-Butyl alcohol (TBA)	2	2	2	40	NA		< 2.93	< 3.04	< 2.45	< 3.22	< 2.95	< 10
tert-Butylbenzene	100	100	100	260	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Tetrachloroethene	2	2	2	5	80		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Tetrahydrofuran	200	640	5900	154	NA		< 1.17	< 1.22	< 1.22	< 1.29	< 1.18	**379**
Toluene	100	100	100	1000	50000		**0.757**	**0.179**	< 0.0979	**0.13**	**1.21**	< 0.5
trans-1,2-Dichloroethene	9	9	9	100	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Trichloroethene	0.8	0.8	0.8	5	90		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Trichlorofluoromethane	1000	2500	5000	2000	NA		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Vinyl chloride	1	3	9	2	10		< 0.117	< 0.122	< 0.0979	< 0.129	< 0.118	< 0.5
Xylenes, Total	500	1000	1500	10000	30000		**6.05**	**0.42**	< 0.245	**0.899**	**6.63**	< 0.5
VOCs, Total							10.244	0.599	0	1.379	13.607	379

NA - Not available.
-- - not sampled
J - Estimated concentration. Result is less than the RL but greater
B - Compound was found in the blank and sample.
Bold Shaded - Exceeds NH soil Criteria
Bold Shaded - Exceeds NH GW criteria



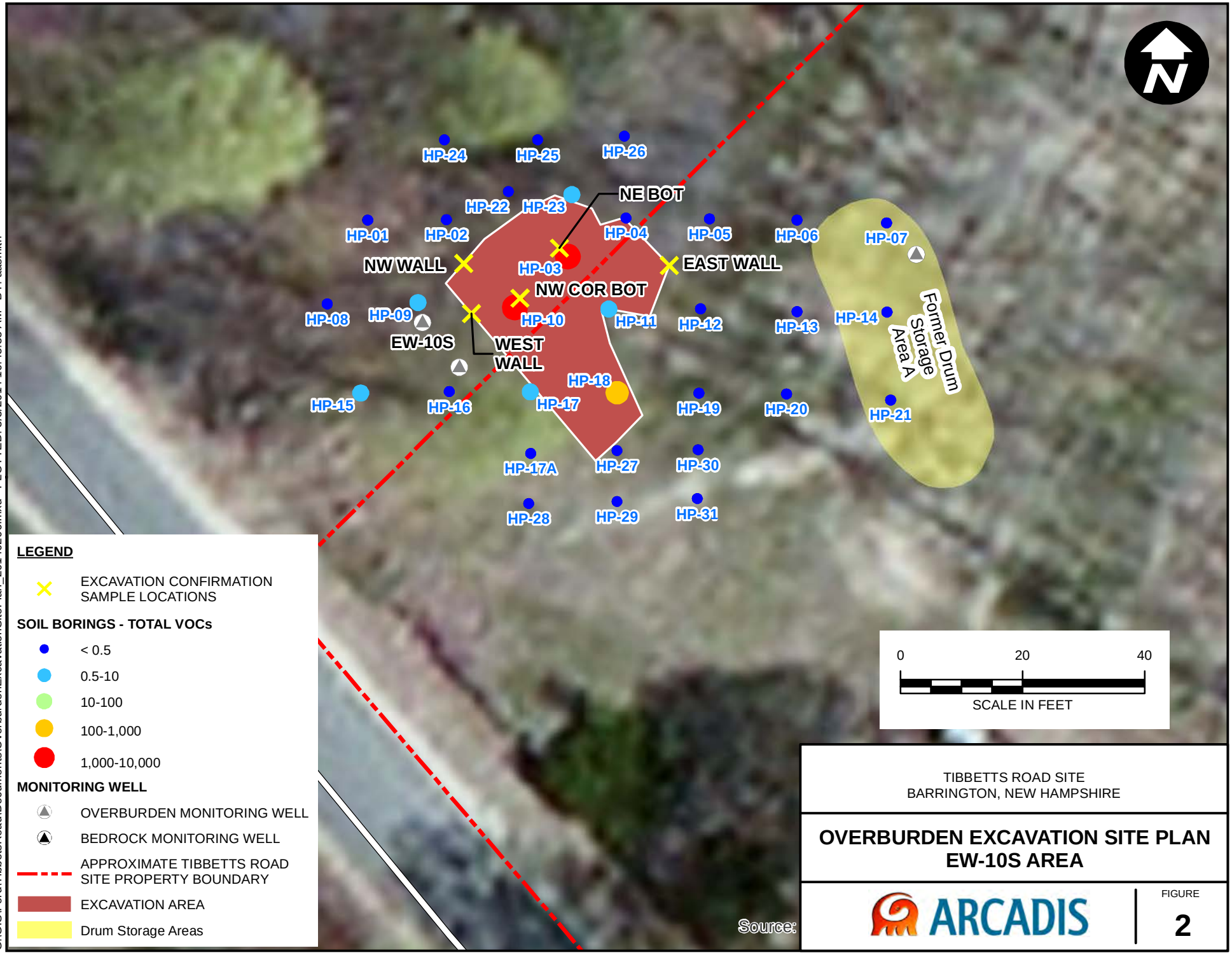
TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

SOIL BORING LOCATIONS
EW-10S AREA

ARCADIS

FIGURE
1

CITY: KNOXVILLE DIV: ENV DB: A.SMITH PIC: PM: TM: TR: PROJECT NUMBER: COORDINATE SYSTEM: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
G:\GIS\Ford\TibbetsRoad\Documents\EW10S - SoilBoringLocations_20140207.mxd PLOTTED: 2/7/2014 3:42:25 PM BY: aasmith



TIBBETTS ROAD SITE
BARRINGTON, NEW HAMPSHIRE

OVERBURDEN EXCAVATION SITE PLAN
EW-10S AREA

ARCADIS

FIGURE
2

CITY: KNOXVILLE DIV: ENV DB: A.SMITH PIC: PM: TM: TR: PROJECT NUMBER: COORDINATE SYSTEM: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
G:\GIS\Ford\TibbetsRoad\Documents\OverburdenExcavationSitePlan_20140206.mxd PLOTTED: 3/3/2014 10:45:35 AM BY: aasmith

Attachment A

Laboratory Analytical Data Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NUF2439
Client Project/Site: E101274
Client Project Description: Tibbetts Road Site

For:
Arcadis (Chelmsford) / FORD
2 Executive Drive, Suite 303
Chelmsford, MA 01824

Attn: Julie Santaniello

Authorized for release by:
06/24/2011 07:13:05 PM

Shali Brown
Project Manager
shali.brown@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Sample Summary

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2439

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUF2439-01	HP-21 (4-5)	Soil	06/14/11 09:13	06/15/11 08:35
NUF2439-02	HP-21 (7-8)	Soil	06/14/11 09:19	06/15/11 08:35
NUF2439-03	HP-20 (4-5)	Soil	06/14/11 10:10	06/15/11 08:35
NUF2439-04	HP-20 (7-8)	Soil	06/14/11 10:25	06/15/11 08:35
NUF2439-05	HP-19 (4-5)	Soil	06/14/11 10:55	06/15/11 08:35
NUF2439-06	HP-19 (10-11)	Soil	06/14/11 11:10	06/15/11 08:35
NUF2439-07	HP-18 (4-5)	Soil	06/14/11 11:20	06/15/11 08:35
NUF2439-08	HP-18 (6-7)	Soil	06/14/11 11:30	06/15/11 08:35
NUF2439-09	HP-18 (9-10)	Soil	06/14/11 11:40	06/15/11 08:35
NUF2439-10	HP-17 (2-3)	Soil	06/14/11 12:20	06/15/11 08:35
NUF2439-11	HP-17 (3-4)	Soil	06/14/11 12:32	06/15/11 08:35
NUF2439-12	BD061411	Soil	06/14/11 00:01	06/15/11 08:35
NUF2439-13	HP-17 (6-7)	Soil	06/14/11 12:40	06/15/11 08:35
NUF2439-14	HP-16 (4-5)	Soil	06/14/11 13:33	06/15/11 08:35
NUF2439-15	HP-16 (6-7)	Soil	06/14/11 13:40	06/15/11 08:35
NUF2439-16	HP-15 (5-6)	Soil	06/14/11 14:26	06/15/11 08:35
NUF2439-17	HP-15 (11-12)	Soil	06/14/11 14:44	06/15/11 08:35
NUF2439-18	HP-15 (14-15)	Soil	06/14/11 14:50	06/15/11 08:35
NUF2439-19	HP-14 (3-4)	Soil	06/14/11 15:02	06/15/11 08:35
NUF2439-20	HP-14 (6-7)	Soil	06/14/11 15:13	06/15/11 08:35
NUF2439-21	Trip Blank	Soil	06/14/11 00:01	06/15/11 08:35

Job ID: NUF2439

Laboratory: TestAmerica Nashville

NELAC Certification

NELAC certifications are not held for the following analytes included in this report:

Method	Matrix	Analyte
SW-846	Soil	% Dry Solids
SW846 8260B	Soil	Tetrahydrofuran

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
B	Analyte was detected in the associated Method Blank.
E	Concentration exceeds the calibration range and therefore result is semi-quantitative.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.

WetChem

Qualifier	Qualifier Description
B	Analyte was detected in the associated Method Blank.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample ID: HP-21 (4-5)

Lab Sample ID: NUF2439-01

Date Collected: 06/14/11 09:13
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 78.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.00	2.50	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Tert-Amyl Methyl Ether	ND		0.100	0.0220	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Benzene	ND		0.100	0.0270	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Bromobenzene	ND		0.100	0.0220	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Bromochloromethane	ND		0.100	0.0440	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Bromodichloromethane	ND		0.100	0.0370	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Bromoform	ND		0.100	0.0220	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Bromomethane	ND		0.100	0.0470	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
2-Butanone	ND		1.00	0.170	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
tert-Butylbenzene	ND		0.100	0.0200	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
n-Butylbenzene	ND		0.100	0.0220	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
sec-Butylbenzene	ND		0.100	0.0200	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Carbon disulfide	ND		0.100	0.0290	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Carbon Tetrachloride	ND		0.100	0.0270	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Chlorobenzene	ND		0.100	0.0380	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Chlorodibromomethane	ND		0.100	0.0300	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Chloroethane	ND		0.100	0.0410	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Chloroform	ND		0.100	0.0470	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Chloromethane	ND		0.100	0.0180	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
2-Chlorotoluene	ND		0.100	0.0250	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
4-Chlorotoluene	ND		0.100	0.0270	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,2-Dibromo-3-chloropropane	ND		0.200	0.0200	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,2-Dibromoethane (EDB)	ND		0.100	0.0340	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Dibromomethane	ND		0.100	0.0430	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,2-Dichlorobenzene	ND		0.100	0.0200	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,3-Dichlorobenzene	ND		0.100	0.0490	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,4-Dichlorobenzene	ND		0.100	0.0250	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Dichlorodifluoromethane	ND		0.100	0.0140	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,2-Dichloroethane	ND		0.100	0.0380	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,1-Dichloroethane	ND		0.100	0.0320	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,1-Dichloroethene	ND		0.100	0.0360	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
trans-1,2-Dichloroethene	ND		0.100	0.0360	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
cis-1,2-Dichloroethene	ND		0.100	0.0380	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,3-Dichloropropane	ND		0.100	0.0280	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
2,2-Dichloropropane	ND		0.100	0.0260	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,2-Dichloropropane	ND		0.100	0.0330	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
trans-1,3-Dichloropropene	ND		0.100	0.0160	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,1-Dichloropropene	ND		0.100	0.0300	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
cis-1,3-Dichloropropene	ND		0.100	0.0190	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Diethyl ether	ND		0.200	0.0370	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Ethylbenzene	ND		0.100	0.0320	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Ethyl tert-Butyl Ether	ND		0.100	0.0250	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Hexachlorobutadiene	ND		0.100	0.0310	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
2-Hexanone	ND		5.00	0.220	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Isopropylbenzene	ND		0.100	0.0240	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Diisopropyl Ether	ND		0.100	0.0370	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
p-Isopropyltoluene	ND		0.100	0.0210	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Methyl tert-Butyl Ether	ND		0.100	0.0320	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Methylene Chloride	ND		0.200	0.0150	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
4-Methyl-2-pentanone	ND		1.00	0.160	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0

Client Sample ID: HP-21 (4-5)

Lab Sample ID: NUF2439-01

Date Collected: 06/14/11 09:13
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 78.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.200	0.0170	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
n-Propylbenzene	ND		0.100	0.0220	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Styrene	ND		0.100	0.0220	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Tertiary Butyl Alcohol	ND		2.00	0.200	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,1,2,2-Tetrachloroethane	ND		0.100	0.0250	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,1,1,2-Tetrachloroethane	ND		0.100	0.0220	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Tetrachloroethene	ND		0.100	0.0220	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Tetrahydrofuran	ND		1.00	0.330	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Toluene	ND		0.100	0.0330	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,2,4-Trichlorobenzene	ND		0.100	0.0240	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,2,3-Trichlorobenzene	ND		0.100	0.0140	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,1,1-Trichloroethane	ND		0.100	0.0350	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,1,2-Trichloroethane	ND		0.100	0.0380	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Trichloroethene	ND		0.100	0.0370	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Trichlorofluoromethane	ND		0.100	0.0300	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,2,3-Trichloropropane	ND		0.100	0.0460	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,3,5-Trimethylbenzene	ND		0.100	0.0230	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
1,2,4-Trimethylbenzene	ND		0.100	0.0200	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Vinyl chloride	ND		0.100	0.0360	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0
Xylenes, total	ND		0.200	0.0870	mg/kg dry	☼	06/14/11 09:13	06/18/11 23:11	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/14/11 09:13*	*06/18/11 23:11*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 09:13*	*06/18/11 23:11*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/14/11 09:13*	*06/18/11 23:11*	*50.0*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/14/11 09:13*	*06/18/11 23:11*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**78.5**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:22	1.00

Client Sample ID: HP-21 (7-8)

Lab Sample ID: NUF2439-02

Date Collected: 06/14/11 09:19
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.7

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		3.99	2.00	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Tert-Amyl Methyl Ether	ND		0.0799	0.0176	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Benzene	ND		0.0799	0.0216	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Bromobenzene	ND		0.0799	0.0176	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Bromochloromethane	ND		0.0799	0.0352	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Bromodichloromethane	ND		0.0799	0.0296	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Bromoform	ND		0.0799	0.0176	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Bromomethane	ND		0.0799	0.0376	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
2-Butanone	ND		0.799	0.136	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
tert-Butylbenzene	ND		0.0799	0.0160	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
n-Butylbenzene	ND		0.0799	0.0176	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
sec-Butylbenzene	ND		0.0799	0.0160	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Carbon disulfide	ND		0.0799	0.0232	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Carbon Tetrachloride	ND		0.0799	0.0216	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Chlorobenzene	ND		0.0799	0.0304	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Chlorodibromomethane	ND		0.0799	0.0240	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Chloroethane	ND		0.0799	0.0328	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Chloroform	ND		0.0799	0.0376	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Chloromethane	ND		0.0799	0.0144	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
2-Chlorotoluene	ND		0.0799	0.0200	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
4-Chlorotoluene	ND		0.0799	0.0216	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,2-Dibromo-3-chloropropane	ND		0.160	0.0160	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,2-Dibromoethane (EDB)	ND		0.0799	0.0272	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Dibromomethane	ND		0.0799	0.0344	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,2-Dichlorobenzene	ND		0.0799	0.0160	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,3-Dichlorobenzene	ND		0.0799	0.0391	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,4-Dichlorobenzene	ND		0.0799	0.0200	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Dichlorodifluoromethane	ND		0.0799	0.0112	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,2-Dichloroethane	ND		0.0799	0.0304	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,1-Dichloroethane	ND		0.0799	0.0256	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,1-Dichloroethene	ND		0.0799	0.0288	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
trans-1,2-Dichloroethene	ND		0.0799	0.0288	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
cis-1,2-Dichloroethene	ND		0.0799	0.0304	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,3-Dichloropropane	ND		0.0799	0.0224	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
2,2-Dichloropropane	ND		0.0799	0.0208	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,2-Dichloropropane	ND		0.0799	0.0264	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
trans-1,3-Dichloropropene	ND		0.0799	0.0128	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,1-Dichloropropene	ND		0.0799	0.0240	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
cis-1,3-Dichloropropene	ND		0.0799	0.0152	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Diethyl ether	ND		0.160	0.0296	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Ethylbenzene	ND		0.0799	0.0256	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Ethyl tert-Butyl Ether	ND		0.0799	0.0200	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Hexachlorobutadiene	ND		0.0799	0.0248	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
2-Hexanone	ND		3.99	0.176	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Isopropylbenzene	ND		0.0799	0.0192	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Diisopropyl Ether	ND		0.0799	0.0296	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
p-Isopropyltoluene	ND		0.0799	0.0168	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Methyl tert-Butyl Ether	ND		0.0799	0.0256	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Methylene Chloride	ND		0.160	0.0120	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
4-Methyl-2-pentanone	ND		0.799	0.128	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0

Client Sample ID: HP-21 (7-8)

Lab Sample ID: NUF2439-02

Date Collected: 06/14/11 09:19
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.7

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.160	0.0136	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
n-Propylbenzene	ND		0.0799	0.0176	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Styrene	ND		0.0799	0.0176	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Tertiary Butyl Alcohol	ND		1.60	0.160	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,1,2,2-Tetrachloroethane	ND		0.0799	0.0200	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,1,1,2-Tetrachloroethane	ND		0.0799	0.0176	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Tetrachloroethene	ND		0.0799	0.0176	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Tetrahydrofuran	ND		0.799	0.264	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Toluene	ND		0.0799	0.0264	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,2,4-Trichlorobenzene	ND		0.0799	0.0192	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,2,3-Trichlorobenzene	ND		0.0799	0.0112	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,1,1-Trichloroethane	ND		0.0799	0.0280	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,1,2-Trichloroethane	ND		0.0799	0.0304	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Trichloroethene	ND		0.0799	0.0296	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Trichlorofluoromethane	ND		0.0799	0.0240	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,2,3-Trichloropropane	ND		0.0799	0.0368	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,3,5-Trimethylbenzene	ND		0.0799	0.0184	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
1,2,4-Trimethylbenzene	ND		0.0799	0.0160	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Vinyl chloride	ND		0.0799	0.0288	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0
Xylenes, total	ND		0.160	0.0695	mg/kg dry	☼	06/14/11 09:19	06/18/11 23:38	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*89*		*67 - 138*	*06/14/11 09:19*	*06/18/11 23:38*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 09:19*	*06/18/11 23:38*	*50.0*
Toluene-d8	*94*		*76 - 129*	*06/14/11 09:19*	*06/18/11 23:38*	*50.0*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/14/11 09:19*	*06/18/11 23:38*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**90.7**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:22	1.00

Client Sample ID: HP-20 (4-5)

Lab Sample ID: NUF2439-03

Date Collected: 06/14/11 10:10
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.4

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.11	2.05	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Tert-Amyl Methyl Ether	ND		0.0822	0.0181	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Benzene	ND		0.0822	0.0222	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Bromobenzene	ND		0.0822	0.0181	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Bromochloromethane	ND		0.0822	0.0362	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Bromodichloromethane	ND		0.0822	0.0304	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Bromoform	ND		0.0822	0.0181	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Bromomethane	ND		0.0822	0.0386	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
2-Butanone	ND		0.822	0.140	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
tert-Butylbenzene	ND		0.0822	0.0164	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
n-Butylbenzene	ND		0.0822	0.0181	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
sec-Butylbenzene	ND		0.0822	0.0164	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Carbon disulfide	ND		0.0822	0.0238	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Carbon Tetrachloride	ND		0.0822	0.0222	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Chlorobenzene	ND		0.0822	0.0312	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Chlorodibromomethane	ND		0.0822	0.0246	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Chloroethane	ND		0.0822	0.0337	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Chloroform	ND		0.0822	0.0386	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Chloromethane	ND		0.0822	0.0148	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
2-Chlorotoluene	ND		0.0822	0.0205	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
4-Chlorotoluene	ND		0.0822	0.0222	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,2-Dibromo-3-chloropropane	ND		0.164	0.0164	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,2-Dibromoethane (EDB)	ND		0.0822	0.0279	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Dibromomethane	ND		0.0822	0.0353	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,2-Dichlorobenzene	ND		0.0822	0.0164	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,3-Dichlorobenzene	ND		0.0822	0.0403	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,4-Dichlorobenzene	ND		0.0822	0.0205	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Dichlorodifluoromethane	ND		0.0822	0.0115	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,2-Dichloroethane	ND		0.0822	0.0312	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,1-Dichloroethane	ND		0.0822	0.0263	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,1-Dichloroethene	ND		0.0822	0.0296	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
trans-1,2-Dichloroethene	ND		0.0822	0.0296	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
cis-1,2-Dichloroethene	ND		0.0822	0.0312	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,3-Dichloropropane	ND		0.0822	0.0230	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
2,2-Dichloropropane	ND		0.0822	0.0214	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,2-Dichloropropane	ND		0.0822	0.0271	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
trans-1,3-Dichloropropene	ND		0.0822	0.0131	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,1-Dichloropropene	ND		0.0822	0.0246	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
cis-1,3-Dichloropropene	ND		0.0822	0.0156	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Diethyl ether	ND		0.164	0.0304	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Ethylbenzene	ND		0.0822	0.0263	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Ethyl tert-Butyl Ether	ND		0.0822	0.0205	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Hexachlorobutadiene	ND		0.0822	0.0255	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
2-Hexanone	ND		4.11	0.181	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Isopropylbenzene	ND		0.0822	0.0197	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Diisopropyl Ether	ND		0.0822	0.0304	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
p-Isopropyltoluene	ND		0.0822	0.0173	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Methyl tert-Butyl Ether	ND		0.0822	0.0263	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Methylene Chloride	**0.0255**	**J**	0.164	0.0123	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
4-Methyl-2-pentanone	ND		0.822	0.131	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0

Client Sample ID: HP-20 (4-5)

Lab Sample ID: NUF2439-03

Date Collected: 06/14/11 10:10

Matrix: Soil

Date Received: 06/15/11 08:35

Percent Solids: 91.4

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.164	0.0140	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
n-Propylbenzene	ND		0.0822	0.0181	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Styrene	ND		0.0822	0.0181	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Tertiary Butyl Alcohol	ND		1.64	0.164	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,1,2,2-Tetrachloroethane	ND		0.0822	0.0205	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,1,1,2-Tetrachloroethane	ND		0.0822	0.0181	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Tetrachloroethene	ND		0.0822	0.0181	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Tetrahydrofuran	ND		0.822	0.271	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Toluene	ND		0.0822	0.0271	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,2,4-Trichlorobenzene	ND		0.0822	0.0197	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,2,3-Trichlorobenzene	ND		0.0822	0.0115	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,1,1-Trichloroethane	ND		0.0822	0.0288	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,1,2-Trichloroethane	ND		0.0822	0.0312	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Trichloroethene	ND		0.0822	0.0304	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Trichlorofluoromethane	ND		0.0822	0.0246	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,2,3-Trichloropropane	ND		0.0822	0.0378	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,3,5-Trimethylbenzene	ND		0.0822	0.0189	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
1,2,4-Trimethylbenzene	ND		0.0822	0.0164	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Vinyl chloride	ND		0.0822	0.0296	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0
Xylenes, total	ND		0.164	0.0715	mg/kg dry	☼	06/14/11 10:10	06/19/11 04:41	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/14/11 10:10*	*06/19/11 04:41*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 10:10*	*06/19/11 04:41*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/14/11 10:10*	*06/19/11 04:41*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/14/11 10:10*	*06/19/11 04:41*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.4**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:22	1.00

Client Sample ID: HP-20 (7-8)

Lab Sample ID: NUF2439-04

Date Collected: 06/14/11 10:25
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.8

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.14	2.07	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Tert-Amyl Methyl Ether	ND		0.0828	0.0182	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Benzene	ND		0.0828	0.0224	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Bromobenzene	ND		0.0828	0.0182	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Bromochloromethane	ND		0.0828	0.0364	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Bromodichloromethane	ND		0.0828	0.0306	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Bromoform	ND		0.0828	0.0182	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Bromomethane	ND		0.0828	0.0389	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
2-Butanone	ND		0.828	0.141	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
tert-Butylbenzene	ND		0.0828	0.0166	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
n-Butylbenzene	ND		0.0828	0.0182	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
sec-Butylbenzene	ND		0.0828	0.0166	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Carbon disulfide	ND		0.0828	0.0240	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Carbon Tetrachloride	ND		0.0828	0.0224	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Chlorobenzene	ND		0.0828	0.0315	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Chlorodibromomethane	ND		0.0828	0.0248	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Chloroethane	ND		0.0828	0.0339	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Chloroform	ND		0.0828	0.0389	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Chloromethane	ND		0.0828	0.0149	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
2-Chlorotoluene	ND		0.0828	0.0207	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
4-Chlorotoluene	ND		0.0828	0.0224	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,2-Dibromo-3-chloropropane	ND		0.166	0.0166	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,2-Dibromoethane (EDB)	ND		0.0828	0.0281	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Dibromomethane	ND		0.0828	0.0356	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,2-Dichlorobenzene	ND		0.0828	0.0166	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,3-Dichlorobenzene	ND		0.0828	0.0406	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,4-Dichlorobenzene	ND		0.0828	0.0207	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Dichlorodifluoromethane	ND		0.0828	0.0116	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,2-Dichloroethane	ND		0.0828	0.0315	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,1-Dichloroethane	ND		0.0828	0.0265	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,1-Dichloroethene	ND		0.0828	0.0298	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
trans-1,2-Dichloroethene	ND		0.0828	0.0298	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
cis-1,2-Dichloroethene	ND		0.0828	0.0315	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,3-Dichloropropane	ND		0.0828	0.0232	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
2,2-Dichloropropane	ND		0.0828	0.0215	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,2-Dichloropropane	ND		0.0828	0.0273	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
trans-1,3-Dichloropropene	ND		0.0828	0.0132	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,1-Dichloropropene	ND		0.0828	0.0248	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
cis-1,3-Dichloropropene	ND		0.0828	0.0157	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Diethyl ether	ND		0.166	0.0306	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Ethylbenzene	ND		0.0828	0.0265	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Ethyl tert-Butyl Ether	ND		0.0828	0.0207	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Hexachlorobutadiene	ND		0.0828	0.0257	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
2-Hexanone	ND		4.14	0.182	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Isopropylbenzene	ND		0.0828	0.0199	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Diisopropyl Ether	ND		0.0828	0.0306	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
p-Isopropyltoluene	ND		0.0828	0.0174	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Methyl tert-Butyl Ether	ND		0.0828	0.0265	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Methylene Chloride	ND		0.166	0.0124	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
4-Methyl-2-pentanone	ND		0.828	0.132	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0

Client Sample ID: HP-20 (7-8)

Lab Sample ID: NUF2439-04

Date Collected: 06/14/11 10:25
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.8

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.166	0.0141	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
n-Propylbenzene	ND		0.0828	0.0182	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Styrene	ND		0.0828	0.0182	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Tertiary Butyl Alcohol	ND		1.66	0.166	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,1,2,2-Tetrachloroethane	ND		0.0828	0.0207	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,1,1,2-Tetrachloroethane	ND		0.0828	0.0182	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Tetrachloroethene	ND		0.0828	0.0182	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Tetrahydrofuran	ND		0.828	0.273	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Toluene	ND		0.0828	0.0273	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,2,4-Trichlorobenzene	ND		0.0828	0.0199	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,2,3-Trichlorobenzene	ND		0.0828	0.0116	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,1,1-Trichloroethane	ND		0.0828	0.0290	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,1,2-Trichloroethane	ND		0.0828	0.0315	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Trichloroethene	ND		0.0828	0.0306	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Trichlorofluoromethane	ND		0.0828	0.0248	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,2,3-Trichloropropane	ND		0.0828	0.0381	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,3,5-Trimethylbenzene	ND		0.0828	0.0190	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
1,2,4-Trimethylbenzene	ND		0.0828	0.0166	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Vinyl chloride	ND		0.0828	0.0298	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0
Xylenes, total	ND		0.166	0.0720	mg/kg dry	☼	06/14/11 10:25	06/19/11 05:09	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/14/11 10:25*	*06/19/11 05:09*	*50.0*
Dibromofluoromethane	*96*		*75 - 125*	*06/14/11 10:25*	*06/19/11 05:09*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/14/11 10:25*	*06/19/11 05:09*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/14/11 10:25*	*06/19/11 05:09*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**90.8**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:22	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2439

Client Sample ID: HP-19 (4-5)

Date Collected: 06/14/11 10:55
Date Received: 06/15/11 08:35

Lab Sample ID: NUF2439-05

Matrix: Soil
Percent Solids: 91.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.48	2.74	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Tert-Amyl Methyl Ether	ND		0.110	0.0241	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Benzene	ND		0.110	0.0296	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Bromobenzene	ND		0.110	0.0241	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Bromochloromethane	ND		0.110	0.0482	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Bromodichloromethane	ND		0.110	0.0405	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Bromoform	ND		0.110	0.0241	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Bromomethane	ND		0.110	0.0515	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
2-Butanone	ND		1.10	0.186	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
tert-Butylbenzene	ND		0.110	0.0219	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
n-Butylbenzene	ND		0.110	0.0241	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
sec-Butylbenzene	ND		0.110	0.0219	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Carbon disulfide	ND		0.110	0.0318	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Carbon Tetrachloride	ND		0.110	0.0296	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Chlorobenzene	ND		0.110	0.0416	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Chlorodibromomethane	ND		0.110	0.0329	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Chloroethane	ND		0.110	0.0449	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Chloroform	ND		0.110	0.0515	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Chloromethane	ND		0.110	0.0197	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
2-Chlorotoluene	ND		0.110	0.0274	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
4-Chlorotoluene	ND		0.110	0.0296	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,2-Dibromo-3-chloropropane	ND		0.219	0.0219	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,2-Dibromoethane (EDB)	ND		0.110	0.0372	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Dibromomethane	ND		0.110	0.0471	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,2-Dichlorobenzene	ND		0.110	0.0219	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,3-Dichlorobenzene	ND		0.110	0.0537	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,4-Dichlorobenzene	ND		0.110	0.0274	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Dichlorodifluoromethane	ND		0.110	0.0153	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,2-Dichloroethane	ND		0.110	0.0416	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,1-Dichloroethane	ND		0.110	0.0351	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,1-Dichloroethene	ND		0.110	0.0394	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
trans-1,2-Dichloroethene	ND		0.110	0.0394	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
cis-1,2-Dichloroethene	ND		0.110	0.0416	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,3-Dichloropropane	ND		0.110	0.0307	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
2,2-Dichloropropane	ND		0.110	0.0285	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,2-Dichloropropane	ND		0.110	0.0362	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
trans-1,3-Dichloropropene	ND		0.110	0.0175	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,1-Dichloropropene	ND		0.110	0.0329	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
cis-1,3-Dichloropropene	ND		0.110	0.0208	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Diethyl ether	ND		0.219	0.0405	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Ethylbenzene	ND		0.110	0.0351	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Ethyl tert-Butyl Ether	ND		0.110	0.0274	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Hexachlorobutadiene	ND		0.110	0.0340	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
2-Hexanone	ND		5.48	0.241	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Isopropylbenzene	ND		0.110	0.0263	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Diisopropyl Ether	ND		0.110	0.0405	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
p-Isopropyltoluene	ND		0.110	0.0230	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Methyl tert-Butyl Ether	ND		0.110	0.0351	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Methylene Chloride	ND		0.219	0.0164	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
4-Methyl-2-pentanone	ND		1.10	0.175	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0

Client Sample ID: HP-19 (4-5)

Lab Sample ID: NUF2439-05

Date Collected: 06/14/11 10:55
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.219	0.0186	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
n-Propylbenzene	ND		0.110	0.0241	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Styrene	ND		0.110	0.0241	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Tertiary Butyl Alcohol	ND		2.19	0.219	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,1,2,2-Tetrachloroethane	ND		0.110	0.0274	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,1,1,2-Tetrachloroethane	ND		0.110	0.0241	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Tetrachloroethene	ND		0.110	0.0241	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Tetrahydrofuran	ND		1.10	0.362	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Toluene	ND		0.110	0.0362	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,2,4-Trichlorobenzene	ND		0.110	0.0263	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,2,3-Trichlorobenzene	ND		0.110	0.0153	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,1,1-Trichloroethane	ND		0.110	0.0383	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,1,2-Trichloroethane	ND		0.110	0.0416	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Trichloroethene	ND		0.110	0.0405	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Trichlorofluoromethane	ND		0.110	0.0329	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,2,3-Trichloropropane	ND		0.110	0.0504	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,3,5-Trimethylbenzene	ND		0.110	0.0252	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
1,2,4-Trimethylbenzene	ND		0.110	0.0219	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Vinyl chloride	ND		0.110	0.0394	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0
Xylenes, total	ND		0.219	0.0953	mg/kg dry	☼	06/14/11 10:55	06/19/11 05:36	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/14/11 10:55*	*06/19/11 05:36*	*50.0*
Dibromofluoromethane	*97*		*75 - 125*	*06/14/11 10:55*	*06/19/11 05:36*	*50.0*
Toluene-d8	*98*		*76 - 129*	*06/14/11 10:55*	*06/19/11 05:36*	*50.0*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/14/11 10:55*	*06/19/11 05:36*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.5**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-19 (10-11)

Lab Sample ID: NUF2439-06

Date Collected: 06/14/11 11:10
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.34	2.17	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Tert-Amyl Methyl Ether	ND		0.0868	0.0191	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Benzene	ND		0.0868	0.0234	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Bromobenzene	ND		0.0868	0.0191	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Bromochloromethane	ND		0.0868	0.0382	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Bromodichloromethane	ND		0.0868	0.0321	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Bromoform	ND		0.0868	0.0191	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Bromomethane	ND		0.0868	0.0408	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
2-Butanone	ND		0.868	0.148	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
tert-Butylbenzene	ND		0.0868	0.0174	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
n-Butylbenzene	ND		0.0868	0.0191	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
sec-Butylbenzene	ND		0.0868	0.0174	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Carbon disulfide	ND		0.0868	0.0252	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Carbon Tetrachloride	ND		0.0868	0.0234	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Chlorobenzene	ND		0.0868	0.0330	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Chlorodibromomethane	ND		0.0868	0.0260	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Chloroethane	ND		0.0868	0.0356	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Chloroform	ND		0.0868	0.0408	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Chloromethane	ND		0.0868	0.0156	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
2-Chlorotoluene	ND		0.0868	0.0217	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
4-Chlorotoluene	ND		0.0868	0.0234	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,2-Dibromo-3-chloropropane	ND		0.174	0.0174	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,2-Dibromoethane (EDB)	ND		0.0868	0.0295	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Dibromomethane	ND		0.0868	0.0373	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,2-Dichlorobenzene	ND		0.0868	0.0174	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,3-Dichlorobenzene	ND		0.0868	0.0425	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,4-Dichlorobenzene	ND		0.0868	0.0217	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Dichlorodifluoromethane	ND		0.0868	0.0122	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,2-Dichloroethane	ND		0.0868	0.0330	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,1-Dichloroethane	ND		0.0868	0.0278	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,1-Dichloroethene	ND		0.0868	0.0312	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
trans-1,2-Dichloroethene	ND		0.0868	0.0312	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
cis-1,2-Dichloroethene	ND		0.0868	0.0330	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,3-Dichloropropane	ND		0.0868	0.0243	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
2,2-Dichloropropane	ND		0.0868	0.0226	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,2-Dichloropropane	ND		0.0868	0.0286	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
trans-1,3-Dichloropropene	ND		0.0868	0.0139	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,1-Dichloropropene	ND		0.0868	0.0260	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
cis-1,3-Dichloropropene	ND		0.0868	0.0165	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Diethyl ether	ND		0.174	0.0321	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Ethylbenzene	ND		0.0868	0.0278	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Ethyl tert-Butyl Ether	ND		0.0868	0.0217	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Hexachlorobutadiene	ND		0.0868	0.0269	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
2-Hexanone	ND		4.34	0.191	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Isopropylbenzene	ND		0.0868	0.0208	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Diisopropyl Ether	ND		0.0868	0.0321	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
p-Isopropyltoluene	ND		0.0868	0.0182	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Methyl tert-Butyl Ether	ND		0.0868	0.0278	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Methylene Chloride	ND		0.174	0.0130	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
4-Methyl-2-pentanone	ND		0.868	0.139	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0

Client Sample ID: HP-19 (10-11)

Lab Sample ID: NUF2439-06

Date Collected: 06/14/11 11:10
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.174	0.0148	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
n-Propylbenzene	ND		0.0868	0.0191	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Styrene	ND		0.0868	0.0191	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Tertiary Butyl Alcohol	ND		1.74	0.174	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,1,2,2-Tetrachloroethane	ND		0.0868	0.0217	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,1,1,2-Tetrachloroethane	ND		0.0868	0.0191	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Tetrachloroethene	ND		0.0868	0.0191	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Tetrahydrofuran	ND		0.868	0.286	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Toluene	ND		0.0868	0.0286	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,2,4-Trichlorobenzene	ND		0.0868	0.0208	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,2,3-Trichlorobenzene	ND		0.0868	0.0122	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,1,1-Trichloroethane	ND		0.0868	0.0304	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,1,2-Trichloroethane	ND		0.0868	0.0330	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Trichloroethene	ND		0.0868	0.0321	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Trichlorofluoromethane	ND		0.0868	0.0260	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,2,3-Trichloropropane	ND		0.0868	0.0399	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,3,5-Trimethylbenzene	ND		0.0868	0.0200	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
1,2,4-Trimethylbenzene	ND		0.0868	0.0174	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Vinyl chloride	ND		0.0868	0.0312	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0
Xylenes, total	ND		0.174	0.0755	mg/kg dry	☼	06/14/11 11:10	06/19/11 06:04	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*89*		*67 - 138*	*06/14/11 11:10*	*06/19/11 06:04*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 11:10*	*06/19/11 06:04*	*50.0*
Toluene-d8	*94*		*76 - 129*	*06/14/11 11:10*	*06/19/11 06:04*	*50.0*
4-Bromofluorobenzene	*100*		*67 - 147*	*06/14/11 11:10*	*06/19/11 06:04*	*50.0*

Method: SW846 9060M - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**938**	**J B**	1000	630	mg/kg dry	☼	06/17/11 09:04	06/20/11 14:09	1.00

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.0**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-18 (4-5)

Lab Sample ID: NUF2439-07

Date Collected: 06/14/11 11:20
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 92.9

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.87	2.94	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Tert-Amyl Methyl Ether	ND		0.117	0.0258	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Benzene	ND		0.117	0.0317	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Bromobenzene	ND		0.117	0.0258	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Bromochloromethane	ND		0.117	0.0517	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Bromodichloromethane	ND		0.117	0.0435	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Bromoform	ND		0.117	0.0258	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Bromomethane	ND		0.117	0.0552	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
2-Butanone	ND		1.17	0.200	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
tert-Butylbenzene	ND		0.117	0.0235	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
n-Butylbenzene	ND		0.117	0.0258	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
sec-Butylbenzene	ND		0.117	0.0235	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Carbon disulfide	ND		0.117	0.0341	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Carbon Tetrachloride	ND		0.117	0.0317	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Chlorobenzene	ND		0.117	0.0446	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Chlorodibromomethane	ND		0.117	0.0352	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Chloroethane	ND		0.117	0.0482	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Chloroform	ND		0.117	0.0552	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Chloromethane	ND		0.117	0.0211	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
2-Chlorotoluene	ND		0.117	0.0294	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
4-Chlorotoluene	ND		0.117	0.0317	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,2-Dibromo-3-chloropropane	ND		0.235	0.0235	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,2-Dibromoethane (EDB)	ND		0.117	0.0399	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Dibromomethane	ND		0.117	0.0505	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,2-Dichlorobenzene	ND		0.117	0.0235	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,3-Dichlorobenzene	ND		0.117	0.0576	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,4-Dichlorobenzene	ND		0.117	0.0294	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Dichlorodifluoromethane	ND		0.117	0.0164	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,2-Dichloroethane	ND		0.117	0.0446	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,1-Dichloroethane	ND		0.117	0.0376	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,1-Dichloroethene	ND		0.117	0.0423	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
trans-1,2-Dichloroethene	ND		0.117	0.0423	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
cis-1,2-Dichloroethene	ND		0.117	0.0446	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,3-Dichloropropane	ND		0.117	0.0329	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
2,2-Dichloropropane	ND		0.117	0.0305	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,2-Dichloropropane	ND		0.117	0.0388	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
trans-1,3-Dichloropropene	ND		0.117	0.0188	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,1-Dichloropropene	ND		0.117	0.0352	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
cis-1,3-Dichloropropene	ND		0.117	0.0223	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Diethyl ether	ND		0.235	0.0435	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Ethylbenzene	ND		0.117	0.0376	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Ethyl tert-Butyl Ether	ND		0.117	0.0294	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Hexachlorobutadiene	ND		0.117	0.0364	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
2-Hexanone	ND		5.87	0.258	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Isopropylbenzene	ND		0.117	0.0282	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Diisopropyl Ether	ND		0.117	0.0435	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
p-Isopropyltoluene	ND		0.117	0.0247	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Methyl tert-Butyl Ether	ND		0.117	0.0376	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Methylene Chloride	ND		0.235	0.0176	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
4-Methyl-2-pentanone	ND		1.17	0.188	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0

Client Sample ID: HP-18 (4-5)

Lab Sample ID: NUF2439-07

Date Collected: 06/14/11 11:20
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 92.9

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.235	0.0200	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
n-Propylbenzene	ND		0.117	0.0258	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Styrene	ND		0.117	0.0258	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Tertiary Butyl Alcohol	ND		2.35	0.235	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,1,2,2-Tetrachloroethane	ND		0.117	0.0294	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,1,1,2-Tetrachloroethane	ND		0.117	0.0258	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Tetrachloroethene	ND		0.117	0.0258	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Tetrahydrofuran	ND		1.17	0.388	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Toluene	ND		0.117	0.0388	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,2,4-Trichlorobenzene	ND		0.117	0.0282	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,2,3-Trichlorobenzene	ND		0.117	0.0164	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,1,1-Trichloroethane	ND		0.117	0.0411	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,1,2-Trichloroethane	ND		0.117	0.0446	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Trichloroethene	ND		0.117	0.0435	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Trichlorofluoromethane	ND		0.117	0.0352	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,2,3-Trichloropropane	ND		0.117	0.0540	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,3,5-Trimethylbenzene	ND		0.117	0.0270	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
1,2,4-Trimethylbenzene	ND		0.117	0.0235	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Vinyl chloride	ND		0.117	0.0423	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0
Xylenes, total	ND		0.235	0.102	mg/kg dry	☼	06/14/11 11:20	06/19/11 06:31	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/14/11 11:20*	*06/19/11 06:31*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 11:20*	*06/19/11 06:31*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/14/11 11:20*	*06/19/11 06:31*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/14/11 11:20*	*06/19/11 06:31*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**92.9**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-18 (6-7)

Lab Sample ID: NUF2439-08

Date Collected: 06/14/11 11:30
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.9

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.85	1.43	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Tert-Amyl Methyl Ether	ND		0.0570	0.0126	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Benzene	ND		0.0570	0.0154	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Bromobenzene	ND		0.0570	0.0126	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Bromochloromethane	ND		0.0570	0.0251	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Bromodichloromethane	ND		0.0570	0.0211	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Bromoform	ND		0.0570	0.0126	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Bromomethane	ND		0.0570	0.0268	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
2-Butanone	ND		0.570	0.0970	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
tert-Butylbenzene	ND		0.0570	0.0114	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
n-Butylbenzene	ND		0.0570	0.0126	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
sec-Butylbenzene	ND		0.0570	0.0114	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Carbon disulfide	ND		0.0570	0.0165	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Carbon Tetrachloride	ND		0.0570	0.0154	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Chlorobenzene	ND		0.0570	0.0217	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Chlorodibromomethane	ND		0.0570	0.0171	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Chloroethane	ND		0.0570	0.0234	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Chloroform	ND		0.0570	0.0268	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Chloromethane	ND		0.0570	0.0103	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
2-Chlorotoluene	ND		0.0570	0.0143	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
4-Chlorotoluene	ND		0.0570	0.0154	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,2-Dibromo-3-chloropropane	ND		0.114	0.0114	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,2-Dibromoethane (EDB)	ND		0.0570	0.0194	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Dibromomethane	ND		0.0570	0.0245	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,2-Dichlorobenzene	ND		0.0570	0.0114	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,3-Dichlorobenzene	ND		0.0570	0.0280	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,4-Dichlorobenzene	ND		0.0570	0.0143	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Dichlorodifluoromethane	ND		0.0570	0.00799	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,2-Dichloroethane	ND		0.0570	0.0217	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,1-Dichloroethane	ND		0.0570	0.0183	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,1-Dichloroethene	ND		0.0570	0.0205	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
trans-1,2-Dichloroethene	ND		0.0570	0.0205	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
cis-1,2-Dichloroethene	ND		0.0570	0.0217	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,3-Dichloropropane	ND		0.0570	0.0160	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
2,2-Dichloropropane	ND		0.0570	0.0148	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,2-Dichloropropane	ND		0.0570	0.0188	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
trans-1,3-Dichloropropene	ND		0.0570	0.00913	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,1-Dichloropropene	ND		0.0570	0.0171	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
cis-1,3-Dichloropropene	ND		0.0570	0.0108	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Diethyl ether	ND		0.114	0.0211	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Ethylbenzene	ND		0.0570	0.0183	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Ethyl tert-Butyl Ether	ND		0.0570	0.0143	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Hexachlorobutadiene	ND		0.0570	0.0177	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
2-Hexanone	ND		2.85	0.126	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Isopropylbenzene	ND		0.0570	0.0137	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Diisopropyl Ether	ND		0.0570	0.0211	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
p-Isopropyltoluene	ND		0.0570	0.0120	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Methyl tert-Butyl Ether	ND		0.0570	0.0183	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Methylene Chloride	ND		0.114	0.00856	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
4-Methyl-2-pentanone	ND		0.570	0.0913	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0

Client Sample ID: HP-18 (6-7)

Lab Sample ID: NUF2439-08

Date Collected: 06/14/11 11:30
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.9

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.114	0.00970	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
n-Propylbenzene	ND		0.0570	0.0126	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Styrene	ND		0.0570	0.0126	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Tertiary Butyl Alcohol	ND		1.14	0.114	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,1,2,2-Tetrachloroethane	ND		0.0570	0.0143	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,1,1,2-Tetrachloroethane	ND		0.0570	0.0126	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Tetrachloroethene	ND		0.0570	0.0126	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Tetrahydrofuran	ND		0.570	0.188	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Toluene	ND		0.0570	0.0188	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,2,4-Trichlorobenzene	ND		0.0570	0.0137	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,2,3-Trichlorobenzene	ND		0.0570	0.00799	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,1,1-Trichloroethane	ND		0.0570	0.0200	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,1,2-Trichloroethane	ND		0.0570	0.0217	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Trichloroethene	ND		0.0570	0.0211	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Trichlorofluoromethane	ND		0.0570	0.0171	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,2,3-Trichloropropane	ND		0.0570	0.0262	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,3,5-Trimethylbenzene	ND		0.0570	0.0131	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
1,2,4-Trimethylbenzene	ND		0.0570	0.0114	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Vinyl chloride	ND		0.0570	0.0205	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0
Xylenes, total	ND		0.114	0.0496	mg/kg dry	☼	06/14/11 11:30	06/19/11 06:59	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/14/11 11:30*	*06/19/11 06:59*	*50.0*
Dibromofluoromethane	*96*		*75 - 125*	*06/14/11 11:30*	*06/19/11 06:59*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/14/11 11:30*	*06/19/11 06:59*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/14/11 11:30*	*06/19/11 06:59*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.9**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-18 (9-10)

Lab Sample ID: NUF2439-09

Date Collected: 06/14/11 11:40
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 87.4

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.39	2.19	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Tert-Amyl Methyl Ether	ND		0.0877	0.0193	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Benzene	ND		0.0877	0.0237	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Bromobenzene	ND		0.0877	0.0193	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Bromochloromethane	ND		0.0877	0.0386	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Bromodichloromethane	ND		0.0877	0.0325	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Bromoform	ND		0.0877	0.0193	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Bromomethane	ND		0.0877	0.0412	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
2-Butanone	ND		0.877	0.149	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
tert-Butylbenzene	**0.362**		0.0877	0.0175	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
n-Butylbenzene	**16.5**		0.0877	0.0193	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
sec-Butylbenzene	**2.18**		0.0877	0.0175	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Carbon disulfide	ND		0.0877	0.0254	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Carbon Tetrachloride	ND		0.0877	0.0237	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Chlorobenzene	ND		0.0877	0.0333	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Chlorodibromomethane	ND		0.0877	0.0263	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Chloroethane	ND		0.0877	0.0360	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Chloroform	ND		0.0877	0.0412	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Chloromethane	ND		0.0877	0.0158	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
2-Chlorotoluene	ND		0.0877	0.0219	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
4-Chlorotoluene	ND		0.0877	0.0237	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,2-Dibromo-3-chloropropane	ND		0.175	0.0175	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,2-Dibromoethane (EDB)	ND		0.0877	0.0298	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Dibromomethane	ND		0.0877	0.0377	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,2-Dichlorobenzene	ND		0.0877	0.0175	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,3-Dichlorobenzene	ND		0.0877	0.0430	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,4-Dichlorobenzene	ND		0.0877	0.0219	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Dichlorodifluoromethane	ND		0.0877	0.0123	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,2-Dichloroethane	ND		0.0877	0.0333	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,1-Dichloroethane	ND		0.0877	0.0281	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,1-Dichloroethene	ND		0.0877	0.0316	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
trans-1,2-Dichloroethene	ND		0.0877	0.0316	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
cis-1,2-Dichloroethene	ND		0.0877	0.0333	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,3-Dichloropropane	ND		0.0877	0.0246	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
2,2-Dichloropropane	ND		0.0877	0.0228	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,2-Dichloropropane	ND		0.0877	0.0290	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
trans-1,3-Dichloropropene	ND		0.0877	0.0140	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,1-Dichloropropene	ND		0.0877	0.0263	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
cis-1,3-Dichloropropene	ND		0.0877	0.0167	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Diethyl ether	ND		0.175	0.0325	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Ethyl tert-Butyl Ether	ND		0.0877	0.0219	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Hexachlorobutadiene	ND		0.0877	0.0272	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
2-Hexanone	ND		4.39	0.193	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Isopropylbenzene	**6.15**		0.0877	0.0211	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Diisopropyl Ether	ND		0.0877	0.0325	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
p-Isopropyltoluene	**2.82**		0.0877	0.0184	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Methyl tert-Butyl Ether	ND		0.0877	0.0281	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Methylene Chloride	ND		0.175	0.0132	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
4-Methyl-2-pentanone	ND		0.877	0.140	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
n-Propylbenzene	**5.83**		0.0877	0.0193	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0

Client Sample ID: HP-18 (9-10)

Date Collected: 06/14/11 11:40
Date Received: 06/15/11 08:35

Lab Sample ID: NUF2439-09

Matrix: Soil
Percent Solids: 87.4

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.0877	0.0193	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Tertiary Butyl Alcohol	ND		1.75	0.175	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,1,2,2-Tetrachloroethane	ND		0.0877	0.0219	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,1,1,2-Tetrachloroethane	ND		0.0877	0.0193	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Tetrachloroethene	ND		0.0877	0.0193	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Tetrahydrofuran	ND		0.877	0.290	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Toluene	**12.3**		0.0877	0.0290	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,2,4-Trichlorobenzene	ND		0.0877	0.0211	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,2,3-Trichlorobenzene	ND		0.0877	0.0123	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,1,1-Trichloroethane	ND		0.0877	0.0307	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,1,2-Trichloroethane	ND		0.0877	0.0333	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Trichloroethene	ND		0.0877	0.0325	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Trichlorofluoromethane	ND		0.0877	0.0263	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,2,3-Trichloropropane	ND		0.0877	0.0404	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
1,3,5-Trimethylbenzene	**16.5**		0.0877	0.0202	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0
Vinyl chloride	ND		0.0877	0.0316	mg/kg dry	☼	06/14/11 11:40	06/19/11 12:30	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/14/11 11:40*	*06/19/11 12:30*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 11:40*	*06/19/11 12:30*	*50.0*
Toluene-d8	*104*		*76 - 129*	*06/14/11 11:40*	*06/19/11 12:30*	*50.0*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/14/11 11:40*	*06/19/11 12:30*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**58.0**		0.877	0.281	mg/kg dry	☼	06/14/11 11:40	06/22/11 06:04	500
Naphthalene	**36.5**		1.75	0.149	mg/kg dry	☼	06/14/11 11:40	06/22/11 06:04	500
1,2,4-Trimethylbenzene	**73.2**		0.877	0.175	mg/kg dry	☼	06/14/11 11:40	06/22/11 06:04	500
Xylenes, total	**296**		1.75	0.763	mg/kg dry	☼	06/14/11 11:40	06/22/11 06:04	500

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*95*		*67 - 138*	*06/14/11 11:40*	*06/22/11 06:04*	*500*
Dibromofluoromethane	*88*		*75 - 125*	*06/14/11 11:40*	*06/22/11 06:04*	*500*
Toluene-d8	*104*		*76 - 129*	*06/14/11 11:40*	*06/22/11 06:04*	*500*
4-Bromofluorobenzene	*97*		*67 - 147*	*06/14/11 11:40*	*06/22/11 06:04*	*500*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**87.4**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-17 (2-3)

Lab Sample ID: NUF2439-10

Date Collected: 06/14/11 12:20
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.7

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.53	2.76	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Tert-Amyl Methyl Ether	ND		0.111	0.0243	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Benzene	ND		0.111	0.0298	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Bromobenzene	ND		0.111	0.0243	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Bromochloromethane	ND		0.111	0.0486	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Bromodichloromethane	ND		0.111	0.0409	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Bromoform	ND		0.111	0.0243	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Bromomethane	ND		0.111	0.0519	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
2-Butanone	ND		1.11	0.188	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
tert-Butylbenzene	ND		0.111	0.0221	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
n-Butylbenzene	ND		0.111	0.0243	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
sec-Butylbenzene	ND		0.111	0.0221	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Carbon disulfide	ND		0.111	0.0320	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Carbon Tetrachloride	ND		0.111	0.0298	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Chlorobenzene	ND		0.111	0.0420	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Chlorodibromomethane	ND		0.111	0.0332	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Chloroethane	ND		0.111	0.0453	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Chloroform	ND		0.111	0.0519	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Chloromethane	ND		0.111	0.0199	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
2-Chlorotoluene	ND		0.111	0.0276	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
4-Chlorotoluene	ND		0.111	0.0298	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,2-Dibromo-3-chloropropane	ND		0.221	0.0221	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,2-Dibromoethane (EDB)	ND		0.111	0.0376	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Dibromomethane	ND		0.111	0.0475	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,2-Dichlorobenzene	ND		0.111	0.0221	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,3-Dichlorobenzene	ND		0.111	0.0541	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,4-Dichlorobenzene	ND		0.111	0.0276	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Dichlorodifluoromethane	ND		0.111	0.0155	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,2-Dichloroethane	ND		0.111	0.0420	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,1-Dichloroethane	ND		0.111	0.0354	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,1-Dichloroethene	ND		0.111	0.0398	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
trans-1,2-Dichloroethene	ND		0.111	0.0398	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
cis-1,2-Dichloroethene	ND		0.111	0.0420	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,3-Dichloropropane	ND		0.111	0.0309	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
2,2-Dichloropropane	ND		0.111	0.0287	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,2-Dichloropropane	ND		0.111	0.0365	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
trans-1,3-Dichloropropene	ND		0.111	0.0177	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,1-Dichloropropene	ND		0.111	0.0332	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
cis-1,3-Dichloropropene	ND		0.111	0.0210	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Diethyl ether	ND		0.221	0.0409	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Ethylbenzene	ND		0.111	0.0354	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Ethyl tert-Butyl Ether	ND		0.111	0.0276	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Hexachlorobutadiene	ND		0.111	0.0343	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
2-Hexanone	ND		5.53	0.243	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Isopropylbenzene	ND		0.111	0.0265	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Diisopropyl Ether	ND		0.111	0.0409	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
p-Isopropyltoluene	ND		0.111	0.0232	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Methyl tert-Butyl Ether	ND		0.111	0.0354	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Methylene Chloride	ND		0.221	0.0166	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
4-Methyl-2-pentanone	ND		1.11	0.177	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0

Client Sample ID: HP-17 (2-3)

Lab Sample ID: NUF2439-10

Date Collected: 06/14/11 12:20
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.7

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.221	0.0188	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
n-Propylbenzene	ND		0.111	0.0243	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Styrene	ND		0.111	0.0243	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Tertiary Butyl Alcohol	ND		2.21	0.221	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,1,2,2-Tetrachloroethane	ND		0.111	0.0276	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,1,1,2-Tetrachloroethane	ND		0.111	0.0243	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Tetrachloroethene	ND		0.111	0.0243	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Tetrahydrofuran	ND		1.11	0.365	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Toluene	ND		0.111	0.0365	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,2,4-Trichlorobenzene	ND		0.111	0.0265	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,2,3-Trichlorobenzene	ND		0.111	0.0155	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,1,1-Trichloroethane	ND		0.111	0.0387	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,1,2-Trichloroethane	ND		0.111	0.0420	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Trichloroethene	ND		0.111	0.0409	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Trichlorofluoromethane	ND		0.111	0.0332	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,2,3-Trichloropropane	ND		0.111	0.0508	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,3,5-Trimethylbenzene	ND		0.111	0.0254	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
1,2,4-Trimethylbenzene	ND		0.111	0.0221	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Vinyl chloride	ND		0.111	0.0398	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0
Xylenes, total	ND		0.221	0.0961	mg/kg dry	☼	06/14/11 12:20	06/19/11 07:27	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*67 - 138*	*06/14/11 12:20*	*06/19/11 07:27*	*50.0*
Dibromofluoromethane	*95*		*75 - 125*	*06/14/11 12:20*	*06/19/11 07:27*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/14/11 12:20*	*06/19/11 07:27*	*50.0*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/14/11 12:20*	*06/19/11 07:27*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**90.7**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-17 (3-4)

Date Collected: 06/14/11 12:32
Date Received: 06/15/11 08:35

Lab Sample ID: NUF2439-11

Matrix: Soil
Percent Solids: 91.2

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.52	2.26	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Tert-Amyl Methyl Ether	ND		0.0903	0.0199	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Benzene	ND		0.0903	0.0244	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Bromobenzene	ND		0.0903	0.0199	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Bromochloromethane	ND		0.0903	0.0397	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Bromodichloromethane	ND		0.0903	0.0334	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Bromoform	ND		0.0903	0.0199	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Bromomethane	ND		0.0903	0.0425	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
2-Butanone	ND		0.903	0.154	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
tert-Butylbenzene	ND		0.0903	0.0181	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
n-Butylbenzene	**0.0903**		0.0903	0.0199	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
sec-Butylbenzene	ND		0.0903	0.0181	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Carbon disulfide	ND		0.0903	0.0262	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Carbon Tetrachloride	ND		0.0903	0.0244	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Chlorobenzene	ND		0.0903	0.0343	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Chlorodibromomethane	ND		0.0903	0.0271	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Chloroethane	ND		0.0903	0.0370	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Chloroform	ND		0.0903	0.0425	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Chloromethane	ND		0.0903	0.0163	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
2-Chlorotoluene	ND		0.0903	0.0226	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
4-Chlorotoluene	ND		0.0903	0.0244	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,2-Dibromo-3-chloropropane	ND		0.181	0.0181	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,2-Dibromoethane (EDB)	ND		0.0903	0.0307	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Dibromomethane	ND		0.0903	0.0388	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,2-Dichlorobenzene	ND		0.0903	0.0181	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,3-Dichlorobenzene	ND		0.0903	0.0443	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,4-Dichlorobenzene	ND		0.0903	0.0226	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Dichlorodifluoromethane	ND		0.0903	0.0126	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,2-Dichloroethane	ND		0.0903	0.0343	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,1-Dichloroethane	ND		0.0903	0.0289	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,1-Dichloroethene	ND		0.0903	0.0325	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
trans-1,2-Dichloroethene	ND		0.0903	0.0325	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
cis-1,2-Dichloroethene	ND		0.0903	0.0343	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,3-Dichloropropane	ND		0.0903	0.0253	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
2,2-Dichloropropane	ND		0.0903	0.0235	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,2-Dichloropropane	ND		0.0903	0.0298	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
trans-1,3-Dichloropropene	ND		0.0903	0.0145	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,1-Dichloropropene	ND		0.0903	0.0271	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
cis-1,3-Dichloropropene	ND		0.0903	0.0172	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Diethyl ether	ND		0.181	0.0334	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Ethylbenzene	**0.244**		0.0903	0.0289	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Ethyl tert-Butyl Ether	ND		0.0903	0.0226	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Hexachlorobutadiene	ND		0.0903	0.0280	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
2-Hexanone	ND		4.52	0.199	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Isopropylbenzene	**0.0370**	**J**	0.0903	0.0217	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Diisopropyl Ether	ND		0.0903	0.0334	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
p-Isopropyltoluene	ND		0.0903	0.0190	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Methyl tert-Butyl Ether	ND		0.0903	0.0289	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Methylene Chloride	ND		0.181	0.0135	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
4-Methyl-2-pentanone	ND		0.903	0.145	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0

Client Sample ID: HP-17 (3-4)

Lab Sample ID: NUF2439-11

Date Collected: 06/14/11 12:32
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.2

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.176**	**J**	0.181	0.0154	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
n-Propylbenzene	**0.0334**	**J**	0.0903	0.0199	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Styrene	ND		0.0903	0.0199	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Tertiary Butyl Alcohol	ND		1.81	0.181	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,1,2,2-Tetrachloroethane	ND		0.0903	0.0226	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,1,1,2-Tetrachloroethane	ND		0.0903	0.0199	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Tetrachloroethene	ND		0.0903	0.0199	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Tetrahydrofuran	ND		0.903	0.298	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Toluene	**0.0434**	**J**	0.0903	0.0298	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,2,4-Trichlorobenzene	ND		0.0903	0.0217	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,2,3-Trichlorobenzene	ND		0.0903	0.0126	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,1,1-Trichloroethane	ND		0.0903	0.0316	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,1,2-Trichloroethane	ND		0.0903	0.0343	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Trichloroethene	ND		0.0903	0.0334	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Trichlorofluoromethane	ND		0.0903	0.0271	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,2,3-Trichloropropane	ND		0.0903	0.0416	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,3,5-Trimethylbenzene	**0.0985**		0.0903	0.0208	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
1,2,4-Trimethylbenzene	**0.312**		0.0903	0.0181	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Vinyl chloride	ND		0.0903	0.0325	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0
Xylenes, total	**1.18**		0.181	0.0786	mg/kg dry	☼	06/14/11 12:32	06/19/11 07:54	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/14/11 12:32*	*06/19/11 07:54*	*50.0*
Dibromofluoromethane	*95*		*75 - 125*	*06/14/11 12:32*	*06/19/11 07:54*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/14/11 12:32*	*06/19/11 07:54*	*50.0*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/14/11 12:32*	*06/19/11 07:54*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.2**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: BD061411

Lab Sample ID: NUF2439-12

Date Collected: 06/14/11 00:01
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.3

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.37	2.18	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Tert-Amyl Methyl Ether	ND		0.0873	0.0192	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Benzene	ND		0.0873	0.0236	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Bromobenzene	ND		0.0873	0.0192	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Bromochloromethane	ND		0.0873	0.0384	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Bromodichloromethane	ND		0.0873	0.0323	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Bromoform	ND		0.0873	0.0192	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Bromomethane	ND		0.0873	0.0410	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
2-Butanone	ND		0.873	0.148	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
tert-Butylbenzene	ND		0.0873	0.0175	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
n-Butylbenzene	**0.0760**	**J**	0.0873	0.0192	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
sec-Butylbenzene	ND		0.0873	0.0175	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Carbon disulfide	ND		0.0873	0.0253	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Carbon Tetrachloride	ND		0.0873	0.0236	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Chlorobenzene	ND		0.0873	0.0332	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Chlorodibromomethane	ND		0.0873	0.0262	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Chloroethane	ND		0.0873	0.0358	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Chloroform	ND		0.0873	0.0410	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Chloromethane	ND		0.0873	0.0157	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
2-Chlorotoluene	ND		0.0873	0.0218	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
4-Chlorotoluene	ND		0.0873	0.0236	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,2-Dibromo-3-chloropropane	ND		0.175	0.0175	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,2-Dibromoethane (EDB)	ND		0.0873	0.0297	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Dibromomethane	ND		0.0873	0.0376	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,2-Dichlorobenzene	ND		0.0873	0.0175	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,3-Dichlorobenzene	ND		0.0873	0.0428	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,4-Dichlorobenzene	ND		0.0873	0.0218	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Dichlorodifluoromethane	ND		0.0873	0.0122	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,2-Dichloroethane	ND		0.0873	0.0332	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,1-Dichloroethane	ND		0.0873	0.0279	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,1-Dichloroethene	ND		0.0873	0.0314	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
trans-1,2-Dichloroethene	ND		0.0873	0.0314	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
cis-1,2-Dichloroethene	ND		0.0873	0.0332	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,3-Dichloropropane	ND		0.0873	0.0245	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
2,2-Dichloropropane	ND		0.0873	0.0227	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,2-Dichloropropane	ND		0.0873	0.0288	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
trans-1,3-Dichloropropene	ND		0.0873	0.0140	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,1-Dichloropropene	ND		0.0873	0.0262	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
cis-1,3-Dichloropropene	ND		0.0873	0.0166	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Diethyl ether	ND		0.175	0.0323	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Ethylbenzene	**0.191**		0.0873	0.0279	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Ethyl tert-Butyl Ether	ND		0.0873	0.0218	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Hexachlorobutadiene	ND		0.0873	0.0271	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
2-Hexanone	ND		4.37	0.192	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Isopropylbenzene	**0.0288**	**J**	0.0873	0.0210	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Diisopropyl Ether	ND		0.0873	0.0323	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
p-Isopropyltoluene	ND		0.0873	0.0183	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Methyl tert-Butyl Ether	ND		0.0873	0.0279	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Methylene Chloride	ND		0.175	0.0131	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
4-Methyl-2-pentanone	ND		0.873	0.140	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0

Client Sample ID: BD061411

Lab Sample ID: NUF2439-12

Date Collected: 06/14/11 00:01
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.3

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.148**	**J**	0.175	0.0148	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
n-Propylbenzene	**0.0279**	**J**	0.0873	0.0192	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Styrene	ND		0.0873	0.0192	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Tertiary Butyl Alcohol	ND		1.75	0.175	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,1,2,2-Tetrachloroethane	ND		0.0873	0.0218	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,1,1,2-Tetrachloroethane	ND		0.0873	0.0192	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Tetrachloroethene	ND		0.0873	0.0192	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Tetrahydrofuran	ND		0.873	0.288	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Toluene	**0.0358**	**J**	0.0873	0.0288	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,2,4-Trichlorobenzene	ND		0.0873	0.0210	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,2,3-Trichlorobenzene	ND		0.0873	0.0122	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,1,1-Trichloroethane	ND		0.0873	0.0306	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,1,2-Trichloroethane	ND		0.0873	0.0332	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Trichloroethene	ND		0.0873	0.0323	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Trichlorofluoromethane	ND		0.0873	0.0262	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,2,3-Trichloropropane	ND		0.0873	0.0402	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,3,5-Trimethylbenzene	**0.0803**	**J**	0.0873	0.0201	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
1,2,4-Trimethylbenzene	**0.253**		0.0873	0.0175	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Vinyl chloride	ND		0.0873	0.0314	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0
Xylenes, total	**0.911**		0.175	0.0760	mg/kg dry	☼	06/14/11 00:01	06/19/11 08:22	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*92*		*67 - 138*	*06/14/11 00:01*	*06/19/11 08:22*	*50.0*
Dibromofluoromethane	*96*		*75 - 125*	*06/14/11 00:01*	*06/19/11 08:22*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/14/11 00:01*	*06/19/11 08:22*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/14/11 00:01*	*06/19/11 08:22*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**90.3**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-17 (6-7)

Lab Sample ID: NUF2439-13

Date Collected: 06/14/11 12:40
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 89.7

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.81	2.41	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Tert-Amyl Methyl Ether	ND		0.0963	0.0212	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Benzene	ND		0.0963	0.0260	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Bromobenzene	ND		0.0963	0.0212	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Bromochloromethane	ND		0.0963	0.0424	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Bromodichloromethane	ND		0.0963	0.0356	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Bromoform	ND		0.0963	0.0212	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Bromomethane	ND		0.0963	0.0452	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
2-Butanone	ND		0.963	0.164	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
tert-Butylbenzene	ND		0.0963	0.0193	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
n-Butylbenzene	ND		0.0963	0.0212	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
sec-Butylbenzene	ND		0.0963	0.0193	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Carbon disulfide	ND		0.0963	0.0279	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Carbon Tetrachloride	ND		0.0963	0.0260	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Chlorobenzene	ND		0.0963	0.0366	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Chlorodibromomethane	ND		0.0963	0.0289	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Chloroethane	ND		0.0963	0.0395	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Chloroform	ND		0.0963	0.0452	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Chloromethane	ND		0.0963	0.0173	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
2-Chlorotoluene	ND		0.0963	0.0241	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
4-Chlorotoluene	ND		0.0963	0.0260	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,2-Dibromo-3-chloropropane	ND		0.193	0.0193	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,2-Dibromoethane (EDB)	ND		0.0963	0.0327	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Dibromomethane	ND		0.0963	0.0414	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,2-Dichlorobenzene	ND		0.0963	0.0193	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,3-Dichlorobenzene	ND		0.0963	0.0472	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,4-Dichlorobenzene	ND		0.0963	0.0241	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Dichlorodifluoromethane	ND		0.0963	0.0135	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,2-Dichloroethane	ND		0.0963	0.0366	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,1-Dichloroethane	ND		0.0963	0.0308	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,1-Dichloroethene	ND		0.0963	0.0347	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
trans-1,2-Dichloroethene	ND		0.0963	0.0347	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
cis-1,2-Dichloroethene	ND		0.0963	0.0366	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,3-Dichloropropane	ND		0.0963	0.0270	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
2,2-Dichloropropane	ND		0.0963	0.0250	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,2-Dichloropropane	ND		0.0963	0.0318	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
trans-1,3-Dichloropropene	ND		0.0963	0.0154	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,1-Dichloropropene	ND		0.0963	0.0289	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
cis-1,3-Dichloropropene	ND		0.0963	0.0183	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Diethyl ether	ND		0.193	0.0356	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Ethylbenzene	ND		0.0963	0.0308	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Ethyl tert-Butyl Ether	ND		0.0963	0.0241	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Hexachlorobutadiene	ND		0.0963	0.0298	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
2-Hexanone	ND		4.81	0.212	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Isopropylbenzene	ND		0.0963	0.0231	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Diisopropyl Ether	ND		0.0963	0.0356	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
p-Isopropyltoluene	ND		0.0963	0.0202	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Methyl tert-Butyl Ether	ND		0.0963	0.0308	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Methylene Chloride	ND		0.193	0.0144	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
4-Methyl-2-pentanone	ND		0.963	0.154	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0

Client Sample ID: HP-17 (6-7)

Date Collected: 06/14/11 12:40
Date Received: 06/15/11 08:35

Lab Sample ID: NUF2439-13

Matrix: Soil
Percent Solids: 89.7

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.193	0.0164	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
n-Propylbenzene	ND		0.0963	0.0212	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Styrene	ND		0.0963	0.0212	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Tertiary Butyl Alcohol	ND		1.93	0.193	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,1,2,2-Tetrachloroethane	ND		0.0963	0.0241	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,1,1,2-Tetrachloroethane	ND		0.0963	0.0212	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Tetrachloroethene	ND		0.0963	0.0212	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Tetrahydrofuran	ND		0.963	0.318	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Toluene	ND		0.0963	0.0318	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,2,4-Trichlorobenzene	ND		0.0963	0.0231	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,2,3-Trichlorobenzene	ND		0.0963	0.0135	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,1,1-Trichloroethane	ND		0.0963	0.0337	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,1,2-Trichloroethane	ND		0.0963	0.0366	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Trichloroethene	ND		0.0963	0.0356	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Trichlorofluoromethane	ND		0.0963	0.0289	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,2,3-Trichloropropane	ND		0.0963	0.0443	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,3,5-Trimethylbenzene	ND		0.0963	0.0221	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
1,2,4-Trimethylbenzene	**0.0250**	**J**	0.0963	0.0193	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Vinyl chloride	ND		0.0963	0.0347	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0
Xylenes, total	ND		0.193	0.0838	mg/kg dry	☼	06/14/11 12:40	06/19/11 08:49	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/14/11 12:40*	*06/19/11 08:49*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 12:40*	*06/19/11 08:49*	*50.0*
Toluene-d8	*95*		*76 - 129*	*06/14/11 12:40*	*06/19/11 08:49*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/14/11 12:40*	*06/19/11 08:49*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**89.7**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-16 (4-5)

Lab Sample ID: NUF2439-14

Date Collected: 06/14/11 13:33
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.8

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.15	2.57	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Tert-Amyl Methyl Ether	ND		0.103	0.0226	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Benzene	ND		0.103	0.0278	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Bromobenzene	ND		0.103	0.0226	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Bromochloromethane	ND		0.103	0.0453	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Bromodichloromethane	ND		0.103	0.0381	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Bromoform	ND		0.103	0.0226	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Bromomethane	ND		0.103	0.0484	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
2-Butanone	ND		1.03	0.175	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
tert-Butylbenzene	ND		0.103	0.0206	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
n-Butylbenzene	ND		0.103	0.0226	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
sec-Butylbenzene	ND		0.103	0.0206	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Carbon disulfide	ND		0.103	0.0298	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Carbon Tetrachloride	ND		0.103	0.0278	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Chlorobenzene	ND		0.103	0.0391	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Chlorodibromomethane	ND		0.103	0.0309	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Chloroethane	ND		0.103	0.0422	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Chloroform	ND		0.103	0.0484	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Chloromethane	ND		0.103	0.0185	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
2-Chlorotoluene	ND		0.103	0.0257	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
4-Chlorotoluene	ND		0.103	0.0278	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,2-Dibromo-3-chloropropane	ND		0.206	0.0206	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,2-Dibromoethane (EDB)	ND		0.103	0.0350	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Dibromomethane	ND		0.103	0.0443	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,2-Dichlorobenzene	ND		0.103	0.0206	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,3-Dichlorobenzene	ND		0.103	0.0504	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,4-Dichlorobenzene	ND		0.103	0.0257	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Dichlorodifluoromethane	ND		0.103	0.0144	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,2-Dichloroethane	ND		0.103	0.0391	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,1-Dichloroethane	ND		0.103	0.0329	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,1-Dichloroethene	ND		0.103	0.0370	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
trans-1,2-Dichloroethene	ND		0.103	0.0370	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
cis-1,2-Dichloroethene	ND		0.103	0.0391	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,3-Dichloropropane	ND		0.103	0.0288	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
2,2-Dichloropropane	ND		0.103	0.0268	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,2-Dichloropropane	ND		0.103	0.0340	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
trans-1,3-Dichloropropene	ND		0.103	0.0165	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,1-Dichloropropene	ND		0.103	0.0309	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
cis-1,3-Dichloropropene	ND		0.103	0.0196	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Diethyl ether	ND		0.206	0.0381	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Ethylbenzene	ND		0.103	0.0329	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Ethyl tert-Butyl Ether	ND		0.103	0.0257	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Hexachlorobutadiene	ND		0.103	0.0319	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
2-Hexanone	ND		5.15	0.226	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Isopropylbenzene	ND		0.103	0.0247	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Diisopropyl Ether	ND		0.103	0.0381	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
p-Isopropyltoluene	ND		0.103	0.0216	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Methyl tert-Butyl Ether	ND		0.103	0.0329	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Methylene Chloride	ND		0.206	0.0154	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
4-Methyl-2-pentanone	ND		1.03	0.165	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0

Client Sample ID: HP-16 (4-5)

Lab Sample ID: NUF2439-14

Date Collected: 06/14/11 13:33
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.8

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.206	0.0175	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
n-Propylbenzene	ND		0.103	0.0226	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Styrene	ND		0.103	0.0226	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Tertiary Butyl Alcohol	ND		2.06	0.206	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,1,2,2-Tetrachloroethane	ND		0.103	0.0257	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,1,1,2-Tetrachloroethane	ND		0.103	0.0226	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Tetrachloroethene	ND		0.103	0.0226	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Tetrahydrofuran	ND		1.03	0.340	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Toluene	ND		0.103	0.0340	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,2,4-Trichlorobenzene	ND		0.103	0.0247	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,2,3-Trichlorobenzene	ND		0.103	0.0144	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,1,1-Trichloroethane	ND		0.103	0.0360	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,1,2-Trichloroethane	ND		0.103	0.0391	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Trichloroethene	ND		0.103	0.0381	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Trichlorofluoromethane	ND		0.103	0.0309	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,2,3-Trichloropropane	ND		0.103	0.0473	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,3,5-Trimethylbenzene	ND		0.103	0.0237	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
1,2,4-Trimethylbenzene	ND		0.103	0.0206	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Vinyl chloride	ND		0.103	0.0370	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0
Xylenes, total	ND		0.206	0.0895	mg/kg dry	☼	06/14/11 13:33	06/19/11 09:17	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*90*		*67 - 138*	*06/14/11 13:33*	*06/19/11 09:17*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 13:33*	*06/19/11 09:17*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/14/11 13:33*	*06/19/11 09:17*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/14/11 13:33*	*06/19/11 09:17*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.8**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-16 (6-7)

Date Collected: 06/14/11 13:40
Date Received: 06/15/11 08:35

Lab Sample ID: NUF2439-15

Matrix: Soil
Percent Solids: 88.2

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.33	2.17	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Tert-Amyl Methyl Ether	ND		0.0867	0.0191	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Benzene	ND		0.0867	0.0234	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Bromobenzene	ND		0.0867	0.0191	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Bromochloromethane	ND		0.0867	0.0381	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Bromodichloromethane	ND		0.0867	0.0321	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Bromoform	ND		0.0867	0.0191	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Bromomethane	ND		0.0867	0.0407	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
2-Butanone	ND		0.867	0.147	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
tert-Butylbenzene	ND		0.0867	0.0173	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
n-Butylbenzene	ND		0.0867	0.0191	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
sec-Butylbenzene	ND		0.0867	0.0173	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Carbon disulfide	ND		0.0867	0.0251	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Carbon Tetrachloride	ND		0.0867	0.0234	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Chlorobenzene	ND		0.0867	0.0329	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Chlorodibromomethane	ND		0.0867	0.0260	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Chloroethane	ND		0.0867	0.0355	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Chloroform	ND		0.0867	0.0407	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Chloromethane	ND		0.0867	0.0156	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
2-Chlorotoluene	ND		0.0867	0.0217	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
4-Chlorotoluene	ND		0.0867	0.0234	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,2-Dibromo-3-chloropropane	ND		0.173	0.0173	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,2-Dibromoethane (EDB)	ND		0.0867	0.0295	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Dibromomethane	ND		0.0867	0.0373	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,2-Dichlorobenzene	ND		0.0867	0.0173	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,3-Dichlorobenzene	ND		0.0867	0.0425	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,4-Dichlorobenzene	ND		0.0867	0.0217	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Dichlorodifluoromethane	ND		0.0867	0.0121	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,2-Dichloroethane	ND		0.0867	0.0329	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,1-Dichloroethane	ND		0.0867	0.0277	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,1-Dichloroethene	ND		0.0867	0.0312	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
trans-1,2-Dichloroethene	ND		0.0867	0.0312	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
cis-1,2-Dichloroethene	ND		0.0867	0.0329	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,3-Dichloropropane	ND		0.0867	0.0243	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
2,2-Dichloropropane	ND		0.0867	0.0225	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,2-Dichloropropane	ND		0.0867	0.0286	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
trans-1,3-Dichloropropene	ND		0.0867	0.0139	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,1-Dichloropropene	ND		0.0867	0.0260	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
cis-1,3-Dichloropropene	ND		0.0867	0.0165	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Diethyl ether	ND		0.173	0.0321	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Ethylbenzene	ND		0.0867	0.0277	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Ethyl tert-Butyl Ether	ND		0.0867	0.0217	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Hexachlorobutadiene	ND		0.0867	0.0269	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
2-Hexanone	ND		4.33	0.191	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Isopropylbenzene	ND		0.0867	0.0208	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Diisopropyl Ether	ND		0.0867	0.0321	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
p-Isopropyltoluene	ND		0.0867	0.0182	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Methyl tert-Butyl Ether	ND		0.0867	0.0277	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Methylene Chloride	ND		0.173	0.0130	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
4-Methyl-2-pentanone	ND		0.867	0.139	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0

Client Sample ID: HP-16 (6-7)

Lab Sample ID: NUF2439-15

Date Collected: 06/14/11 13:40
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 88.2

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.173	0.0147	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
n-Propylbenzene	ND		0.0867	0.0191	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Styrene	ND		0.0867	0.0191	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Tertiary Butyl Alcohol	ND		1.73	0.173	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,1,2,2-Tetrachloroethane	ND		0.0867	0.0217	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,1,1,2-Tetrachloroethane	ND		0.0867	0.0191	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Tetrachloroethene	ND		0.0867	0.0191	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Tetrahydrofuran	ND		0.867	0.286	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Toluene	ND		0.0867	0.0286	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,2,4-Trichlorobenzene	ND		0.0867	0.0208	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,2,3-Trichlorobenzene	ND		0.0867	0.0121	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,1,1-Trichloroethane	ND		0.0867	0.0303	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,1,2-Trichloroethane	ND		0.0867	0.0329	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Trichloroethene	ND		0.0867	0.0321	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Trichlorofluoromethane	ND		0.0867	0.0260	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,2,3-Trichloropropane	ND		0.0867	0.0399	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,3,5-Trimethylbenzene	ND		0.0867	0.0199	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
1,2,4-Trimethylbenzene	ND		0.0867	0.0173	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Vinyl chloride	ND		0.0867	0.0312	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0
Xylenes, total	ND		0.173	0.0754	mg/kg dry	☼	06/14/11 13:40	06/19/11 09:45	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*92*		*67 - 138*	*06/14/11 13:40*	*06/19/11 09:45*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 13:40*	*06/19/11 09:45*	*50.0*
Toluene-d8	*95*		*76 - 129*	*06/14/11 13:40*	*06/19/11 09:45*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/14/11 13:40*	*06/19/11 09:45*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**88.2**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-15 (5-6)

Date Collected: 06/14/11 14:26
Date Received: 06/15/11 08:35

Lab Sample ID: NUF2439-16

Matrix: Soil
Percent Solids: 94.3

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.42	2.21	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Tert-Amyl Methyl Ether	ND		0.0884	0.0195	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Benzene	ND		0.0884	0.0239	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Bromobenzene	ND		0.0884	0.0195	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Bromochloromethane	ND		0.0884	0.0389	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Bromodichloromethane	ND		0.0884	0.0327	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Bromoform	ND		0.0884	0.0195	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Bromomethane	ND		0.0884	0.0416	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
2-Butanone	ND		0.884	0.150	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
tert-Butylbenzene	ND		0.0884	0.0177	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
n-Butylbenzene	ND		0.0884	0.0195	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
sec-Butylbenzene	ND		0.0884	0.0177	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Carbon disulfide	ND		0.0884	0.0256	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Carbon Tetrachloride	ND		0.0884	0.0239	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Chlorobenzene	ND		0.0884	0.0336	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Chlorodibromomethane	ND		0.0884	0.0265	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Chloroethane	ND		0.0884	0.0362	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Chloroform	ND		0.0884	0.0416	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Chloromethane	ND		0.0884	0.0159	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
2-Chlorotoluene	ND		0.0884	0.0221	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
4-Chlorotoluene	ND		0.0884	0.0239	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,2-Dibromo-3-chloropropane	ND		0.177	0.0177	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,2-Dibromoethane (EDB)	ND		0.0884	0.0301	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Dibromomethane	ND		0.0884	0.0380	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,2-Dichlorobenzene	ND		0.0884	0.0177	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,3-Dichlorobenzene	ND		0.0884	0.0433	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,4-Dichlorobenzene	ND		0.0884	0.0221	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Dichlorodifluoromethane	ND		0.0884	0.0124	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,2-Dichloroethane	ND		0.0884	0.0336	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,1-Dichloroethane	ND		0.0884	0.0283	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,1-Dichloroethene	ND		0.0884	0.0318	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
trans-1,2-Dichloroethene	ND		0.0884	0.0318	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
cis-1,2-Dichloroethene	ND		0.0884	0.0336	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,3-Dichloropropane	ND		0.0884	0.0248	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
2,2-Dichloropropane	ND		0.0884	0.0230	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,2-Dichloropropane	ND		0.0884	0.0292	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
trans-1,3-Dichloropropene	ND		0.0884	0.0141	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,1-Dichloropropene	ND		0.0884	0.0265	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
cis-1,3-Dichloropropene	ND		0.0884	0.0168	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Diethyl ether	ND		0.177	0.0327	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Ethylbenzene	ND		0.0884	0.0283	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Ethyl tert-Butyl Ether	ND		0.0884	0.0221	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Hexachlorobutadiene	ND		0.0884	0.0274	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
2-Hexanone	ND		4.42	0.195	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Isopropylbenzene	ND		0.0884	0.0212	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Diisopropyl Ether	ND		0.0884	0.0327	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
p-Isopropyltoluene	ND		0.0884	0.0186	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Methyl tert-Butyl Ether	ND		0.0884	0.0283	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Methylene Chloride	ND		0.177	0.0133	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
4-Methyl-2-pentanone	ND		0.884	0.141	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0

Client Sample ID: HP-15 (5-6)

Date Collected: 06/14/11 14:26
Date Received: 06/15/11 08:35

Lab Sample ID: NUF2439-16

Matrix: Soil
Percent Solids: 94.3

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.177	0.0150	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
n-Propylbenzene	ND		0.0884	0.0195	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Styrene	ND		0.0884	0.0195	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Tertiary Butyl Alcohol	ND		1.77	0.177	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,1,2,2-Tetrachloroethane	ND		0.0884	0.0221	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,1,1,2-Tetrachloroethane	ND		0.0884	0.0195	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Tetrachloroethene	ND		0.0884	0.0195	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Tetrahydrofuran	ND		0.884	0.292	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Toluene	ND		0.0884	0.0292	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,2,4-Trichlorobenzene	ND		0.0884	0.0212	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,2,3-Trichlorobenzene	ND		0.0884	0.0124	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,1,1-Trichloroethane	ND		0.0884	0.0309	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,1,2-Trichloroethane	ND		0.0884	0.0336	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Trichloroethene	ND		0.0884	0.0327	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Trichlorofluoromethane	ND		0.0884	0.0265	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,2,3-Trichloropropane	ND		0.0884	0.0407	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,3,5-Trimethylbenzene	ND		0.0884	0.0203	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
1,2,4-Trimethylbenzene	ND		0.0884	0.0177	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Vinyl chloride	ND		0.0884	0.0318	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0
Xylenes, total	ND		0.177	0.0769	mg/kg dry	☼	06/14/11 14:26	06/19/11 10:12	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*92*		*67 - 138*	*06/14/11 14:26*	*06/19/11 10:12*	*50.0*
Dibromofluoromethane	*93*		*75 - 125*	*06/14/11 14:26*	*06/19/11 10:12*	*50.0*
Toluene-d8	*95*		*76 - 129*	*06/14/11 14:26*	*06/19/11 10:12*	*50.0*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/14/11 14:26*	*06/19/11 10:12*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**94.3**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-15 (11-12)

Lab Sample ID: NUF2439-17

Date Collected: 06/14/11 14:44
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.4

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.02	2.01	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Tert-Amyl Methyl Ether	ND		0.0803	0.0177	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Benzene	ND		0.0803	0.0217	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Bromobenzene	ND		0.0803	0.0177	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Bromochloromethane	ND		0.0803	0.0353	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Bromodichloromethane	ND		0.0803	0.0297	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Bromoform	ND		0.0803	0.0177	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Bromomethane	ND		0.0803	0.0377	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
2-Butanone	ND		0.803	0.137	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
tert-Butylbenzene	ND		0.0803	0.0161	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
n-Butylbenzene	ND		0.0803	0.0177	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
sec-Butylbenzene	ND		0.0803	0.0161	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Carbon disulfide	ND		0.0803	0.0233	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Carbon Tetrachloride	ND		0.0803	0.0217	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Chlorobenzene	ND		0.0803	0.0305	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Chlorodibromomethane	ND		0.0803	0.0241	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Chloroethane	ND		0.0803	0.0329	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Chloroform	ND		0.0803	0.0377	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Chloromethane	ND		0.0803	0.0145	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
2-Chlorotoluene	ND		0.0803	0.0201	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
4-Chlorotoluene	ND		0.0803	0.0217	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,2-Dibromo-3-chloropropane	ND		0.161	0.0161	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,2-Dibromoethane (EDB)	ND		0.0803	0.0273	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Dibromomethane	ND		0.0803	0.0345	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,2-Dichlorobenzene	ND		0.0803	0.0161	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,3-Dichlorobenzene	ND		0.0803	0.0393	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,4-Dichlorobenzene	ND		0.0803	0.0201	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Dichlorodifluoromethane	ND		0.0803	0.0112	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,2-Dichloroethane	ND		0.0803	0.0305	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,1-Dichloroethane	ND		0.0803	0.0257	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,1-Dichloroethene	ND		0.0803	0.0289	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
trans-1,2-Dichloroethene	ND		0.0803	0.0289	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
cis-1,2-Dichloroethene	ND		0.0803	0.0305	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,3-Dichloropropane	ND		0.0803	0.0225	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
2,2-Dichloropropane	ND		0.0803	0.0209	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,2-Dichloropropane	ND		0.0803	0.0265	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
trans-1,3-Dichloropropene	ND		0.0803	0.0128	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,1-Dichloropropene	ND		0.0803	0.0241	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
cis-1,3-Dichloropropene	ND		0.0803	0.0153	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Diethyl ether	ND		0.161	0.0297	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Ethylbenzene	ND		0.0803	0.0257	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Ethyl tert-Butyl Ether	ND		0.0803	0.0201	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Hexachlorobutadiene	ND		0.0803	0.0249	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
2-Hexanone	ND		4.02	0.177	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Isopropylbenzene	ND		0.0803	0.0193	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Diisopropyl Ether	ND		0.0803	0.0297	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
p-Isopropyltoluene	ND		0.0803	0.0169	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Methyl tert-Butyl Ether	ND		0.0803	0.0257	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Methylene Chloride	ND		0.161	0.0120	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
4-Methyl-2-pentanone	ND		0.803	0.128	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0

Client Sample ID: HP-15 (11-12)

Lab Sample ID: NUF2439-17

Date Collected: 06/14/11 14:44
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.4

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.161	0.0137	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
n-Propylbenzene	ND		0.0803	0.0177	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Styrene	ND		0.0803	0.0177	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Tertiary Butyl Alcohol	ND		1.61	0.161	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,1,2,2-Tetrachloroethane	ND		0.0803	0.0201	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,1,1,2-Tetrachloroethane	ND		0.0803	0.0177	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Tetrachloroethene	ND		0.0803	0.0177	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Tetrahydrofuran	ND		0.803	0.265	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Toluene	ND		0.0803	0.0265	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,2,4-Trichlorobenzene	ND		0.0803	0.0193	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,2,3-Trichlorobenzene	ND		0.0803	0.0112	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,1,1-Trichloroethane	ND		0.0803	0.0281	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,1,2-Trichloroethane	ND		0.0803	0.0305	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Trichloroethene	ND		0.0803	0.0297	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Trichlorofluoromethane	ND		0.0803	0.0241	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,2,3-Trichloropropane	ND		0.0803	0.0369	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,3,5-Trimethylbenzene	ND		0.0803	0.0185	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
1,2,4-Trimethylbenzene	ND		0.0803	0.0161	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Vinyl chloride	ND		0.0803	0.0289	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0
Xylenes, total	ND		0.161	0.0699	mg/kg dry	☼	06/14/11 14:44	06/19/11 10:40	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/14/11 14:44*	*06/19/11 10:40*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 14:44*	*06/19/11 10:40*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/14/11 14:44*	*06/19/11 10:40*	*50.0*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/14/11 14:44*	*06/19/11 10:40*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.4**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-15 (14-15)

Lab Sample ID: NUF2439-18

Date Collected: 06/14/11 14:50
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.49	2.25	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Tert-Amyl Methyl Ether	ND		0.0898	0.0198	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Benzene	ND		0.0898	0.0242	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Bromobenzene	ND		0.0898	0.0198	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Bromochloromethane	ND		0.0898	0.0395	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Bromodichloromethane	ND		0.0898	0.0332	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Bromoform	ND		0.0898	0.0198	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Bromomethane	ND		0.0898	0.0422	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
2-Butanone	ND		0.898	0.153	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
tert-Butylbenzene	ND		0.0898	0.0180	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
n-Butylbenzene	ND		0.0898	0.0198	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
sec-Butylbenzene	ND		0.0898	0.0180	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Carbon disulfide	ND		0.0898	0.0260	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Carbon Tetrachloride	ND		0.0898	0.0242	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Chlorobenzene	ND		0.0898	0.0341	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Chlorodibromomethane	ND		0.0898	0.0269	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Chloroethane	ND		0.0898	0.0368	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Chloroform	ND		0.0898	0.0422	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Chloromethane	ND		0.0898	0.0162	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
2-Chlorotoluene	ND		0.0898	0.0225	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
4-Chlorotoluene	ND		0.0898	0.0242	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,2-Dibromo-3-chloropropane	ND		0.180	0.0180	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,2-Dibromoethane (EDB)	ND		0.0898	0.0305	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Dibromomethane	ND		0.0898	0.0386	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,2-Dichlorobenzene	ND		0.0898	0.0180	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,3-Dichlorobenzene	ND		0.0898	0.0440	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,4-Dichlorobenzene	ND		0.0898	0.0225	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Dichlorodifluoromethane	ND		0.0898	0.0126	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,2-Dichloroethane	ND		0.0898	0.0341	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,1-Dichloroethane	ND		0.0898	0.0287	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,1-Dichloroethene	ND		0.0898	0.0323	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
trans-1,2-Dichloroethene	ND		0.0898	0.0323	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
cis-1,2-Dichloroethene	ND		0.0898	0.0341	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,3-Dichloropropane	ND		0.0898	0.0251	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
2,2-Dichloropropane	ND		0.0898	0.0233	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,2-Dichloropropane	ND		0.0898	0.0296	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
trans-1,3-Dichloropropene	ND		0.0898	0.0144	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,1-Dichloropropene	ND		0.0898	0.0269	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
cis-1,3-Dichloropropene	ND		0.0898	0.0171	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Diethyl ether	ND		0.180	0.0332	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Ethylbenzene	**0.298**		0.0898	0.0287	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Ethyl tert-Butyl Ether	ND		0.0898	0.0225	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Hexachlorobutadiene	ND		0.0898	0.0278	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
2-Hexanone	ND		4.49	0.198	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Isopropylbenzene	ND		0.0898	0.0216	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Diisopropyl Ether	ND		0.0898	0.0332	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
p-Isopropyltoluene	ND		0.0898	0.0189	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Methyl tert-Butyl Ether	ND		0.0898	0.0287	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Methylene Chloride	ND		0.180	0.0135	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
4-Methyl-2-pentanone	ND		0.898	0.144	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0

Client Sample ID: HP-15 (14-15)

Date Collected: 06/14/11 14:50
Date Received: 06/15/11 08:35

Lab Sample ID: NUF2439-18

Matrix: Soil
Percent Solids: 90.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.180	0.0153	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
n-Propylbenzene	ND		0.0898	0.0198	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Styrene	ND		0.0898	0.0198	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Tertiary Butyl Alcohol	ND		1.80	0.180	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,1,2,2-Tetrachloroethane	ND		0.0898	0.0225	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,1,1,2-Tetrachloroethane	ND		0.0898	0.0198	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Tetrachloroethene	ND		0.0898	0.0198	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Tetrahydrofuran	ND		0.898	0.296	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Toluene	ND		0.0898	0.0296	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,2,4-Trichlorobenzene	ND		0.0898	0.0216	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,2,3-Trichlorobenzene	ND		0.0898	0.0126	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,1,1-Trichloroethane	ND		0.0898	0.0314	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,1,2-Trichloroethane	ND		0.0898	0.0341	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Trichloroethene	ND		0.0898	0.0332	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Trichlorofluoromethane	ND		0.0898	0.0269	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,2,3-Trichloropropane	ND		0.0898	0.0413	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,3,5-Trimethylbenzene	ND		0.0898	0.0207	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
1,2,4-Trimethylbenzene	**0.0332**	**J**	0.0898	0.0180	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Vinyl chloride	ND		0.0898	0.0323	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0
Xylenes, total	**1.32**		0.180	0.0781	mg/kg dry	☼	06/14/11 14:50	06/19/11 11:07	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/14/11 14:50*	*06/19/11 11:07*	*50.0*
Dibromofluoromethane	*95*		*75 - 125*	*06/14/11 14:50*	*06/19/11 11:07*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/14/11 14:50*	*06/19/11 11:07*	*50.0*
4-Bromofluorobenzene	*100*		*67 - 147*	*06/14/11 14:50*	*06/19/11 11:07*	*50.0*

Method: SW846 9060M - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**861**	**J B**	1000	630	mg/kg dry	☼	06/17/11 09:04	06/20/11 14:09	1.00

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**90.5**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-14 (3-4)

Lab Sample ID: NUF2439-19

Date Collected: 06/14/11 15:02
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 96.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.66	2.33	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Tert-Amyl Methyl Ether	ND		0.0932	0.0205	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Benzene	ND		0.0932	0.0252	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Bromobenzene	ND		0.0932	0.0205	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Bromochloromethane	ND		0.0932	0.0410	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Bromodichloromethane	ND		0.0932	0.0345	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Bromoform	ND		0.0932	0.0205	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Bromomethane	ND		0.0932	0.0438	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
2-Butanone	ND		0.932	0.158	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
tert-Butylbenzene	ND		0.0932	0.0186	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
n-Butylbenzene	ND		0.0932	0.0205	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
sec-Butylbenzene	ND		0.0932	0.0186	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Carbon disulfide	ND		0.0932	0.0270	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Carbon Tetrachloride	ND		0.0932	0.0252	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Chlorobenzene	ND		0.0932	0.0354	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Chlorodibromomethane	ND		0.0932	0.0280	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Chloroethane	ND		0.0932	0.0382	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Chloroform	ND		0.0932	0.0438	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Chloromethane	ND		0.0932	0.0168	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
2-Chlorotoluene	ND		0.0932	0.0233	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
4-Chlorotoluene	ND		0.0932	0.0252	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,2-Dibromo-3-chloropropane	ND		0.186	0.0186	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,2-Dibromoethane (EDB)	ND		0.0932	0.0317	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Dibromomethane	ND		0.0932	0.0401	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,2-Dichlorobenzene	ND		0.0932	0.0186	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,3-Dichlorobenzene	ND		0.0932	0.0457	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,4-Dichlorobenzene	ND		0.0932	0.0233	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Dichlorodifluoromethane	ND		0.0932	0.0131	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,2-Dichloroethane	ND		0.0932	0.0354	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,1-Dichloroethane	ND		0.0932	0.0298	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,1-Dichloroethene	ND		0.0932	0.0336	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
trans-1,2-Dichloroethene	ND		0.0932	0.0336	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
cis-1,2-Dichloroethene	ND		0.0932	0.0354	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,3-Dichloropropane	ND		0.0932	0.0261	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
2,2-Dichloropropane	ND		0.0932	0.0242	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,2-Dichloropropane	ND		0.0932	0.0308	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
trans-1,3-Dichloropropene	ND		0.0932	0.0149	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,1-Dichloropropene	ND		0.0932	0.0280	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
cis-1,3-Dichloropropene	ND		0.0932	0.0177	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Diethyl ether	ND		0.186	0.0345	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Ethylbenzene	ND		0.0932	0.0298	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Ethyl tert-Butyl Ether	ND		0.0932	0.0233	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Hexachlorobutadiene	ND		0.0932	0.0289	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
2-Hexanone	ND		4.66	0.205	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Isopropylbenzene	ND		0.0932	0.0224	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Diisopropyl Ether	ND		0.0932	0.0345	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
p-Isopropyltoluene	ND		0.0932	0.0196	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Methyl tert-Butyl Ether	ND		0.0932	0.0298	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Methylene Chloride	ND		0.186	0.0140	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
4-Methyl-2-pentanone	ND		0.932	0.149	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0

Client Sample ID: HP-14 (3-4)

Lab Sample ID: NUF2439-19

Date Collected: 06/14/11 15:02
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 96.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.186	0.0158	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
n-Propylbenzene	ND		0.0932	0.0205	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Styrene	ND		0.0932	0.0205	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Tertiary Butyl Alcohol	ND		1.86	0.186	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,1,2,2-Tetrachloroethane	ND		0.0932	0.0233	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,1,1,2-Tetrachloroethane	ND		0.0932	0.0205	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Tetrachloroethene	ND		0.0932	0.0205	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Tetrahydrofuran	ND		0.932	0.308	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Toluene	ND		0.0932	0.0308	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,2,4-Trichlorobenzene	ND		0.0932	0.0224	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,2,3-Trichlorobenzene	ND		0.0932	0.0131	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,1,1-Trichloroethane	ND		0.0932	0.0326	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,1,2-Trichloroethane	ND		0.0932	0.0354	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Trichloroethene	ND		0.0932	0.0345	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Trichlorofluoromethane	ND		0.0932	0.0280	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,2,3-Trichloropropane	ND		0.0932	0.0429	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,3,5-Trimethylbenzene	ND		0.0932	0.0214	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
1,2,4-Trimethylbenzene	ND		0.0932	0.0186	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Vinyl chloride	ND		0.0932	0.0336	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0
Xylenes, total	ND		0.186	0.0811	mg/kg dry	☼	06/14/11 15:02	06/19/11 11:35	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/14/11 15:02*	*06/19/11 11:35*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 15:02*	*06/19/11 11:35*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/14/11 15:02*	*06/19/11 11:35*	*50.0*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/14/11 15:02*	*06/19/11 11:35*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**96.5**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: HP-14 (6-7)

Lab Sample ID: NUF2439-20

Date Collected: 06/14/11 15:13
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 92.9

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.12	2.56	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Tert-Amyl Methyl Ether	ND		0.102	0.0225	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Benzene	ND		0.102	0.0276	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Bromobenzene	ND		0.102	0.0225	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Bromochloromethane	ND		0.102	0.0450	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Bromodichloromethane	ND		0.102	0.0379	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Bromoform	ND		0.102	0.0225	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Bromomethane	ND		0.102	0.0481	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
2-Butanone	ND		1.02	0.174	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
tert-Butylbenzene	ND		0.102	0.0205	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
n-Butylbenzene	ND		0.102	0.0225	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
sec-Butylbenzene	ND		0.102	0.0205	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Carbon disulfide	ND		0.102	0.0297	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Carbon Tetrachloride	ND		0.102	0.0276	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Chlorobenzene	ND		0.102	0.0389	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Chlorodibromomethane	ND		0.102	0.0307	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Chloroethane	ND		0.102	0.0420	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Chloroform	ND		0.102	0.0481	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Chloromethane	ND		0.102	0.0184	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
2-Chlorotoluene	ND		0.102	0.0256	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
4-Chlorotoluene	ND		0.102	0.0276	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,2-Dibromo-3-chloropropane	ND		0.205	0.0205	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,2-Dibromoethane (EDB)	ND		0.102	0.0348	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Dibromomethane	ND		0.102	0.0440	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,2-Dichlorobenzene	ND		0.102	0.0205	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,3-Dichlorobenzene	ND		0.102	0.0501	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,4-Dichlorobenzene	ND		0.102	0.0256	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Dichlorodifluoromethane	ND		0.102	0.0143	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,2-Dichloroethane	ND		0.102	0.0389	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,1-Dichloroethane	ND		0.102	0.0327	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,1-Dichloroethene	ND		0.102	0.0368	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
trans-1,2-Dichloroethene	ND		0.102	0.0368	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
cis-1,2-Dichloroethene	ND		0.102	0.0389	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,3-Dichloropropane	ND		0.102	0.0286	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
2,2-Dichloropropane	ND		0.102	0.0266	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,2-Dichloropropane	ND		0.102	0.0338	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
trans-1,3-Dichloropropene	ND		0.102	0.0164	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,1-Dichloropropene	ND		0.102	0.0307	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
cis-1,3-Dichloropropene	ND		0.102	0.0194	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Diethyl ether	ND		0.205	0.0379	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Ethylbenzene	ND		0.102	0.0327	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Ethyl tert-Butyl Ether	ND		0.102	0.0256	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Hexachlorobutadiene	ND		0.102	0.0317	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
2-Hexanone	ND		5.12	0.225	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Isopropylbenzene	ND		0.102	0.0246	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Diisopropyl Ether	ND		0.102	0.0379	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
p-Isopropyltoluene	ND		0.102	0.0215	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Methyl tert-Butyl Ether	ND		0.102	0.0327	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Methylene Chloride	ND		0.205	0.0153	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
4-Methyl-2-pentanone	ND		1.02	0.164	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0

Client Sample ID: HP-14 (6-7)

Lab Sample ID: NUF2439-20

Date Collected: 06/14/11 15:13
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 92.9

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.205	0.0174	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
n-Propylbenzene	ND		0.102	0.0225	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Styrene	ND		0.102	0.0225	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Tertiary Butyl Alcohol	ND		2.05	0.205	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,1,2,2-Tetrachloroethane	ND		0.102	0.0256	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,1,1,2-Tetrachloroethane	ND		0.102	0.0225	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Tetrachloroethene	ND		0.102	0.0225	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Tetrahydrofuran	ND		1.02	0.338	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Toluene	ND		0.102	0.0338	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,2,4-Trichlorobenzene	ND		0.102	0.0246	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,2,3-Trichlorobenzene	ND		0.102	0.0143	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,1,1-Trichloroethane	ND		0.102	0.0358	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,1,2-Trichloroethane	ND		0.102	0.0389	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Trichloroethene	ND		0.102	0.0379	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Trichlorofluoromethane	ND		0.102	0.0307	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,2,3-Trichloropropane	ND		0.102	0.0471	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,3,5-Trimethylbenzene	ND		0.102	0.0235	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
1,2,4-Trimethylbenzene	ND		0.102	0.0205	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Vinyl chloride	ND		0.102	0.0368	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0
Xylenes, total	ND		0.205	0.0890	mg/kg dry	☼	06/14/11 15:13	06/19/11 12:02	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/14/11 15:13*	*06/19/11 12:02*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 15:13*	*06/19/11 12:02*	*50.0*
Toluene-d8	*95*		*76 - 129*	*06/14/11 15:13*	*06/19/11 12:02*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/14/11 15:13*	*06/19/11 12:02*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/24/11 18:52	06/24/11 18:52	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**92.9**		0.500	0.500	%		06/21/11 09:17	06/21/11 13:17	1.00

Client Sample ID: Trip Blank

Lab Sample ID: NUF2439-21

Date Collected: 06/14/11 00:01

Matrix: Soil

Date Received: 06/15/11 08:35

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	1.25	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Tert-Amyl Methyl Ether	ND		0.0500	0.0110	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Benzene	ND		0.0500	0.0135	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Bromobenzene	ND		0.0500	0.0110	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Bromochloromethane	ND		0.0500	0.0220	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Bromodichloromethane	ND		0.0500	0.0185	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Bromoform	ND		0.0500	0.0110	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Bromomethane	ND		0.0500	0.0235	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
2-Butanone	ND		0.500	0.0850	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
tert-Butylbenzene	ND		0.0500	0.0100	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
n-Butylbenzene	ND		0.0500	0.0110	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
sec-Butylbenzene	ND		0.0500	0.0100	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Carbon disulfide	ND		0.0500	0.0145	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Carbon Tetrachloride	ND		0.0500	0.0135	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Chlorobenzene	ND		0.0500	0.0190	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Chlorodibromomethane	ND		0.0500	0.0150	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Chloroethane	ND		0.0500	0.0205	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Chloroform	ND		0.0500	0.0235	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Chloromethane	ND		0.0500	0.00900	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
2-Chlorotoluene	ND		0.0500	0.0125	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
4-Chlorotoluene	ND		0.0500	0.0135	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,2-Dibromo-3-chloropropane	ND		0.100	0.0100	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,2-Dibromoethane (EDB)	ND		0.0500	0.0170	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Dibromomethane	ND		0.0500	0.0215	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,2-Dichlorobenzene	ND		0.0500	0.0100	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,3-Dichlorobenzene	ND		0.0500	0.0245	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,4-Dichlorobenzene	ND		0.0500	0.0125	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Dichlorodifluoromethane	ND		0.0500	0.00700	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,2-Dichloroethane	ND		0.0500	0.0190	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,1-Dichloroethane	ND		0.0500	0.0160	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,1-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
trans-1,2-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
cis-1,2-Dichloroethene	ND		0.0500	0.0190	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,3-Dichloropropane	ND		0.0500	0.0140	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
2,2-Dichloropropane	ND		0.0500	0.0130	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,2-Dichloropropane	ND		0.0500	0.0165	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
trans-1,3-Dichloropropene	ND		0.0500	0.00800	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,1-Dichloropropene	ND		0.0500	0.0150	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
cis-1,3-Dichloropropene	ND		0.0500	0.00950	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Diethyl ether	ND		0.100	0.0185	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Ethylbenzene	ND		0.0500	0.0160	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Ethyl tert-Butyl Ether	ND		0.0500	0.0125	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Hexachlorobutadiene	ND		0.0500	0.0155	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
2-Hexanone	ND		2.50	0.110	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Isopropylbenzene	ND		0.0500	0.0120	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Diisopropyl Ether	ND		0.0500	0.0185	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
p-Isopropyltoluene	ND		0.0500	0.0105	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Methyl tert-Butyl Ether	ND		0.0500	0.0160	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Methylene Chloride	ND		0.100	0.00750	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
4-Methyl-2-pentanone	ND		0.500	0.0800	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0

Client Sample ID: Trip Blank

Lab Sample ID: NUF2439-21

Date Collected: 06/14/11 00:01

Matrix: Soil

Date Received: 06/15/11 08:35

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.100	0.00850	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
n-Propylbenzene	ND		0.0500	0.0110	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Styrene	ND		0.0500	0.0110	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Tertiary Butyl Alcohol	ND		1.00	0.100	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,1,2,2-Tetrachloroethane	ND		0.0500	0.0125	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,1,1,2-Tetrachloroethane	ND		0.0500	0.0110	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Tetrachloroethene	ND		0.0500	0.0110	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Tetrahydrofuran	ND		0.500	0.165	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Toluene	ND		0.0500	0.0165	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,2,4-Trichlorobenzene	ND		0.0500	0.0120	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,2,3-Trichlorobenzene	ND		0.0500	0.00700	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,1,1-Trichloroethane	ND		0.0500	0.0175	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,1,2-Trichloroethane	ND		0.0500	0.0190	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Trichloroethene	ND		0.0500	0.0185	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Trichlorofluoromethane	ND		0.0500	0.0150	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,2,3-Trichloropropane	ND		0.0500	0.0230	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,3,5-Trimethylbenzene	ND		0.0500	0.0115	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
1,2,4-Trimethylbenzene	ND		0.0500	0.0100	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Vinyl chloride	ND		0.0500	0.0180	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0
Xylenes, total	ND		0.100	0.0435	mg/kg wet		06/14/11 00:01	06/18/11 16:43	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*90*		*67 - 138*	*06/14/11 00:01*	*06/18/11 16:43*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/14/11 00:01*	*06/18/11 16:43*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/14/11 00:01*	*06/18/11 16:43*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/14/11 00:01*	*06/18/11 16:43*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11F5534-BLK1
Matrix: Soil
Analysis Batch: U011023

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F5534_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	1.25	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Benzene	ND		0.0500	0.0135	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Bromodichloromethane	ND		0.0500	0.0185	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Bromoform	ND		0.0500	0.0110	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Bromomethane	ND		0.0500	0.0235	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
2-Butanone	ND		0.500	0.0850	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Carbon disulfide	0.0150	J	0.0500	0.0145	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Carbon Tetrachloride	ND		0.0500	0.0135	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Chlorobenzene	ND		0.0500	0.0190	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Chlorodibromomethane	ND		0.0500	0.0150	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Chloroethane	ND		0.0500	0.0205	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Chloroform	ND		0.0500	0.0235	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Chloromethane	ND		0.0500	0.00900	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Dibromomethane	ND		0.0500	0.0215	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,2-Dichloroethane	ND		0.0500	0.0190	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1-Dichloroethane	ND		0.0500	0.0160	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
trans-1,2-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
cis-1,2-Dichloroethene	ND		0.0500	0.0190	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,2-Dichloropropane	ND		0.0500	0.0165	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
trans-1,3-Dichloropropene	ND		0.0500	0.00800	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1-Dichloropropene	ND		0.0500	0.0150	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
cis-1,3-Dichloropropene	ND		0.0500	0.00950	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Ethylbenzene	ND		0.0500	0.0160	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
2-Hexanone	ND		2.50	0.110	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Methylene Chloride	ND		0.100	0.00750	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
4-Methyl-2-pentanone	ND		0.500	0.0800	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Styrene	ND		0.0500	0.0110	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1,1,2-Tetrachloroethane	ND		0.0500	0.0110	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Tetrachloroethene	ND		0.0500	0.0110	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Toluene	ND		0.0500	0.0165	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1,1-Trichloroethane	ND		0.0500	0.0175	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1,2-Trichloroethane	ND		0.0500	0.0190	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Trichloroethene	ND		0.0500	0.0185	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Vinyl chloride	ND		0.0500	0.0180	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
o-Xylene	ND		0.0500	0.0150	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
m,p-Xylene	ND		0.100	0.0285	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Xylenes, total	ND		0.100	0.0435	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*89*		*67 - 138*	*06/18/11 13:02*	*06/18/11 15:48*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/18/11 13:02*	*06/18/11 15:48*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/18/11 13:02*	*06/18/11 15:48*	*50.0*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/18/11 13:02*	*06/18/11 15:48*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5534-BS1
Matrix: Soil
Analysis Batch: U011023

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F5534_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	250	227		ug/kg		91	60 - 150
Benzene	50.0	53.1		ug/kg		106	78 - 126
Bromodichloromethane	50.0	51.3		ug/kg		103	75 - 129
Bromoform	50.0	44.6		ug/kg		89	74 - 133
Bromomethane	50.0	38.0		ug/kg		76	50 - 150
2-Butanone	250	237		ug/kg		95	68 - 149
Carbon disulfide	50.0	52.3	B	ug/kg		105	80 - 132
Carbon Tetrachloride	50.0	53.2		ug/kg		106	70 - 138
Chlorobenzene	50.0	51.6		ug/kg		103	80 - 123
Chlorodibromomethane	50.0	48.2		ug/kg		96	80 - 127
Chloroethane	50.0	50.8		ug/kg		102	55 - 150
Chloroform	50.0	50.5		ug/kg		101	70 - 127
Chloromethane	50.0	47.6		ug/kg		95	36 - 137
Dibromomethane	50.0	47.8		ug/kg		96	78 - 128
1,2-Dichloroethane	50.0	46.5		ug/kg		93	70 - 139
1,1-Dichloroethane	50.0	54.0		ug/kg		108	71 - 126
1,1-Dichloroethene	50.0	52.4		ug/kg		105	70 - 125
trans-1,2-Dichloroethene	50.0	54.5		ug/kg		109	73 - 128
cis-1,2-Dichloroethene	50.0	53.1		ug/kg		106	75 - 126
1,2-Dichloropropane	50.0	51.9		ug/kg		104	75 - 120
trans-1,3-Dichloropropene	50.0	54.3		ug/kg		109	73 - 128
1,1-Dichloropropene	50.0	53.2		ug/kg		106	78 - 125
cis-1,3-Dichloropropene	50.0	51.9		ug/kg		104	74 - 136
Ethylbenzene	50.0	51.4		ug/kg		103	79 - 130
2-Hexanone	250	247		ug/kg		99	65 - 150
Methylene Chloride	50.0	49.0		ug/kg		98	69 - 140
4-Methyl-2-pentanone	250	222		ug/kg		89	67 - 147
Styrene	50.0	52.3		ug/kg		105	80 - 140
1,1,1,2-Tetrachloroethane	50.0	53.4		ug/kg		107	80 - 132
Tetrachloroethene	50.0	51.4		ug/kg		103	76 - 130
Toluene	50.0	48.3		ug/kg		97	76 - 126
1,1,1-Trichloroethane	50.0	51.4		ug/kg		103	70 - 132
1,1,2-Trichloroethane	50.0	49.6		ug/kg		99	73 - 133
Trichloroethene	50.0	51.0		ug/kg		102	79 - 129
Vinyl chloride	50.0	51.8		ug/kg		104	53 - 142
o-Xylene	50.0	49.7		ug/kg		99	80 - 131
m,p-Xylene	100	102		ug/kg		102	80 - 131
Xylenes, total	150	152		ug/kg		101	80 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*89*		*67 - 138*
Dibromofluoromethane	*100*		*75 - 125*
Toluene-d8	*99*		*76 - 129*
4-Bromofluorobenzene	*102*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5534-BSD1
Matrix: Soil
Analysis Batch: U011023

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11F5534_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone			250	235		ug/kg		94	60 - 150	3	50
Benzene			50.0	53.8		ug/kg		108	78 - 126	1	50
Bromodichloromethane			50.0	51.9		ug/kg		104	75 - 129	1	50
Bromoform			50.0	45.6		ug/kg		91	74 - 133	2	43
Bromomethane			50.0	39.0		ug/kg		78	50 - 150	3	46
2-Butanone			250	232		ug/kg		93	68 - 149	2	50
Carbon disulfide			50.0	53.2	B	ug/kg		106	80 - 132	2	48
Carbon Tetrachloride			50.0	53.6		ug/kg		107	70 - 138	0.6	44
Chlorobenzene			50.0	52.5		ug/kg		105	80 - 123	2	50
Chlorodibromomethane			50.0	49.0		ug/kg		98	80 - 127	2	48
Chloroethane			50.0	51.1		ug/kg		102	55 - 150	0.6	50
Chloroform			50.0	51.7		ug/kg		103	70 - 127	2	50
Chloromethane			50.0	46.4		ug/kg		93	36 - 137	3	44
Dibromomethane			50.0	47.7		ug/kg		95	78 - 128	0.2	50
1,2-Dichloroethane			50.0	47.7		ug/kg		95	70 - 139	2	50
1,1-Dichloroethane			50.0	54.8		ug/kg		110	71 - 126	2	50
1,1-Dichloroethene			50.0	53.9		ug/kg		108	70 - 125	3	50
trans-1,2-Dichloroethene			50.0	55.6		ug/kg		111	73 - 128	2	40
cis-1,2-Dichloroethene			50.0	53.9		ug/kg		108	75 - 126	2	50
1,2-Dichloropropane			50.0	52.8		ug/kg		106	75 - 120	2	50
trans-1,3-Dichloropropene			50.0	54.9		ug/kg		110	73 - 128	1	48
1,1-Dichloropropene			50.0	53.0		ug/kg		106	78 - 125	0.4	50
cis-1,3-Dichloropropene			50.0	53.3		ug/kg		107	74 - 136	3	50
Ethylbenzene			50.0	52.4		ug/kg		105	79 - 130	2	50
2-Hexanone			250	249		ug/kg		100	65 - 150	0.6	50
Methylene Chloride			50.0	49.7		ug/kg		99	69 - 140	1	50
4-Methyl-2-pentanone			250	221		ug/kg		88	67 - 147	0.8	45
Styrene			50.0	53.6		ug/kg		107	80 - 140	2	50
1,1,1,2-Tetrachloroethane			50.0	54.9		ug/kg		110	80 - 132	3	50
Tetrachloroethene			50.0	52.3		ug/kg		105	76 - 130	2	50
Toluene			50.0	49.0		ug/kg		98	76 - 126	1	50
1,1,1-Trichloroethane			50.0	51.9		ug/kg		104	70 - 132	1	41
1,1,2-Trichloroethane			50.0	50.5		ug/kg		101	73 - 133	2	50
Trichloroethene			50.0	51.9		ug/kg		104	79 - 129	2	50
Vinyl chloride			50.0	49.9		ug/kg		100	53 - 142	4	39
o-Xylene			50.0	50.8		ug/kg		102	80 - 131	2	50
m,p-Xylene			100	104		ug/kg		104	80 - 131	2	50
Xylenes, total			150	154		ug/kg		103	80 - 130	2	50

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*90*		*67 - 138*
Dibromofluoromethane	*98*		*75 - 125*
Toluene-d8	*99*		*76 - 129*
4-Bromofluorobenzene	*100*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5534-MS1
Matrix: Soil
Analysis Batch: U011023

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11F5534_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	ND		23.2	21.9		mg/kg dry	☼	94	29 - 181
Benzene	ND		4.64	4.80		mg/kg dry	☼	103	42 - 141
Bromodichloromethane	ND		4.64	4.45		mg/kg dry	☼	96	32 - 155
Bromoform	ND		4.64	3.06		mg/kg dry	☼	66	10 - 155
Bromomethane	ND		4.64	1.52		mg/kg dry	☼	33	10 - 199
2-Butanone	ND		23.2	21.4		mg/kg dry	☼	92	38 - 161
Carbon disulfide	ND		4.64	4.75	B	mg/kg dry	☼	102	50 - 136
Carbon Tetrachloride	ND		4.64	4.75		mg/kg dry	☼	102	30 - 159
Chlorobenzene	ND		4.64	4.65		mg/kg dry	☼	100	25 - 151
Chlorodibromomethane	ND		4.64	3.75		mg/kg dry	☼	81	27 - 150
Chloroethane	ND		4.64	2.75		mg/kg dry	☼	59	15 - 197
Chloroform	ND		4.64	4.50		mg/kg dry	☼	97	33 - 148
Chloromethane	ND		4.64	3.47		mg/kg dry	☼	75	10 - 166
Dibromomethane	ND		4.64	4.13		mg/kg dry	☼	89	30 - 149
1,2-Dichloroethane	ND		4.64	4.04		mg/kg dry	☼	87	32 - 155
1,1-Dichloroethane	ND		4.64	4.89		mg/kg dry	☼	105	51 - 135
1,1-Dichloroethene	ND		4.64	4.89		mg/kg dry	☼	105	46 - 141
trans-1,2-Dichloroethene	ND		4.64	4.95		mg/kg dry	☼	107	41 - 146
cis-1,2-Dichloroethene	ND		4.64	4.74		mg/kg dry	☼	102	32 - 150
1,2-Dichloropropane	ND		4.64	5.09		mg/kg dry	☼	110	34 - 139
trans-1,3-Dichloropropene	ND		4.64	4.09		mg/kg dry	☼	88	24 - 151
1,1-Dichloropropene	ND		4.64	4.86		mg/kg dry	☼	105	40 - 151
cis-1,3-Dichloropropene	ND		4.64	3.98		mg/kg dry	☼	86	23 - 152
Ethylbenzene	48.1		4.64	58.0	E M7 MHA	mg/kg dry	☼	213	21 - 165
2-Hexanone	ND		23.2	22.7		mg/kg dry	☼	98	13 - 174
Methylene Chloride	ND		4.64	4.52		mg/kg dry	☼	97	36 - 163
4-Methyl-2-pentanone	ND		23.2	16.9		mg/kg dry	☼	73	19 - 176
Styrene	ND		4.64	7.13		mg/kg dry	☼	154	10 - 177
1,1,1,2-Tetrachloroethane	ND		4.64	4.50		mg/kg dry	☼	97	31 - 150
Tetrachloroethene	ND		4.64	4.68		mg/kg dry	☼	101	33 - 155
Toluene	66.7		4.64	78.1	E M7 MHA	mg/kg dry	☼	245	45 - 145
1,1,1-Trichloroethane	ND		4.64	4.56		mg/kg dry	☼	98	39 - 148
1,1,2-Trichloroethane	ND		4.64	4.15		mg/kg dry	☼	89	43 - 145
Trichloroethene	ND		4.64	4.83		mg/kg dry	☼	104	39 - 150
Vinyl chloride	ND		4.64	2.41		mg/kg dry	☼	52	32 - 163
o-Xylene	61.4		4.64	70.4	E M7 MHA	mg/kg dry	☼	196	36 - 148
m,p-Xylene	101		9.28	124	E M7 MHA	mg/kg dry	☼	253	31 - 159
Xylenes, total	162		13.9	195	E M7 MHA	mg/kg dry	☼	234	31 - 159

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*82*		*67 - 138*
Dibromofluoromethane	*96*		*75 - 125*
Toluene-d8	*106*		*76 - 129*
4-Bromofluorobenzene	*98*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5534-MSD1
Matrix: Soil
Analysis Batch: U011023

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11F5534_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	ND		23.2	22.1		mg/kg dry	☼	95	29 - 181	1	50
Benzene	ND		4.64	5.03		mg/kg dry	☼	108	42 - 141	5	50
Bromodichloromethane	ND		4.64	4.61		mg/kg dry	☼	99	32 - 155	3	50
Bromoform	ND		4.64	3.29		mg/kg dry	☼	71	10 - 155	7	43
Bromomethane	ND		4.64	2.02		mg/kg dry	☼	44	10 - 199	28	46
2-Butanone	ND		23.2	21.9		mg/kg dry	☼	94	38 - 161	3	50
Carbon disulfide	ND		4.64	4.88	B	mg/kg dry	☼	105	50 - 136	3	48
Carbon Tetrachloride	ND		4.64	4.95		mg/kg dry	☼	107	30 - 159	4	44
Chlorobenzene	ND		4.64	4.87		mg/kg dry	☼	105	25 - 151	5	50
Chlorodibromomethane	ND		4.64	3.91		mg/kg dry	☼	84	27 - 150	4	48
Chloroethane	ND		4.64	2.88		mg/kg dry	☼	62	15 - 197	4	50
Chloroform	ND		4.64	4.78		mg/kg dry	☼	103	33 - 148	6	50
Chloromethane	ND		4.64	3.88		mg/kg dry	☼	84	10 - 166	11	44
Dibromomethane	ND		4.64	4.33		mg/kg dry	☼	93	30 - 149	5	50
1,2-Dichloroethane	ND		4.64	4.20		mg/kg dry	☼	90	32 - 155	4	50
1,1-Dichloroethane	ND		4.64	4.99		mg/kg dry	☼	107	51 - 135	2	50
1,1-Dichloroethene	ND		4.64	4.98		mg/kg dry	☼	107	46 - 141	2	50
trans-1,2-Dichloroethene	ND		4.64	5.10		mg/kg dry	☼	110	41 - 146	3	40
cis-1,2-Dichloroethene	ND		4.64	4.96		mg/kg dry	☼	107	32 - 150	4	50
1,2-Dichloropropane	ND		4.64	5.28		mg/kg dry	☼	114	34 - 139	4	50
trans-1,3-Dichloropropene	ND		4.64	4.33		mg/kg dry	☼	93	24 - 151	6	48
1,1-Dichloropropene	ND		4.64	5.07		mg/kg dry	☼	109	40 - 151	4	50
cis-1,3-Dichloropropene	ND		4.64	4.18		mg/kg dry	☼	90	23 - 152	5	50
Ethylbenzene	48.1		4.64	58.3	E M7 MHA	mg/kg dry	☼	221	21 - 165	0.6	50
2-Hexanone	ND		23.2	23.3		mg/kg dry	☼	100	13 - 174	3	50
Methylene Chloride	ND		4.64	4.63		mg/kg dry	☼	100	36 - 163	2	50
4-Methyl-2-pentanone	ND		23.2	17.5		mg/kg dry	☼	75	19 - 176	4	45
Styrene	ND		4.64	7.48		mg/kg dry	☼	161	10 - 177	5	50
1,1,1,2-Tetrachloroethane	ND		4.64	4.73		mg/kg dry	☼	102	31 - 150	5	50
Tetrachloroethene	ND		4.64	4.98		mg/kg dry	☼	107	33 - 155	6	50
Toluene	66.7		4.64	80.0	E M7 MHA	mg/kg dry	☼	287	45 - 145	2	50
1,1,1-Trichloroethane	ND		4.64	4.82		mg/kg dry	☼	104	39 - 148	6	41
1,1,2-Trichloroethane	ND		4.64	4.49		mg/kg dry	☼	97	43 - 145	8	50
Trichloroethene	ND		4.64	5.05		mg/kg dry	☼	109	39 - 150	4	50
Vinyl chloride	ND		4.64	2.37		mg/kg dry	☼	51	32 - 163	2	39
o-Xylene	61.4		4.64	72.5	E M7 MHA	mg/kg dry	☼	241	36 - 148	3	50
m,p-Xylene	101		9.28	127	E M7 MHA	mg/kg dry	☼	279	31 - 159	2	50
Xylenes, total	162		13.9	199	E M7 MHA	mg/kg dry	☼	266	31 - 159	2	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*82*		*67 - 138*
Dibromofluoromethane	*95*		*75 - 125*
Toluene-d8	*108*		*76 - 129*
4-Bromofluorobenzene	*97*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5586-BLK1
Matrix: Soil
Analysis Batch: U011035

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F5586_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	1.25	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Benzene	ND		0.0500	0.0135	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Bromodichloromethane	ND		0.0500	0.0185	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Bromoform	ND		0.0500	0.0110	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Bromomethane	ND		0.0500	0.0235	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
2-Butanone	ND		0.500	0.0850	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Carbon disulfide	ND		0.0500	0.0145	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Carbon Tetrachloride	ND		0.0500	0.0135	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Chlorobenzene	ND		0.0500	0.0190	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Chlorodibromomethane	ND		0.0500	0.0150	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Chloroethane	ND		0.0500	0.0205	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Chloroform	ND		0.0500	0.0235	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Chloromethane	ND		0.0500	0.00900	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Dibromomethane	ND		0.0500	0.0215	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
1,2-Dichloroethane	ND		0.0500	0.0190	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
1,1-Dichloroethane	ND		0.0500	0.0160	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
1,1-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
trans-1,2-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
cis-1,2-Dichloroethene	ND		0.0500	0.0190	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
1,2-Dichloropropane	ND		0.0500	0.0165	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
trans-1,3-Dichloropropene	ND		0.0500	0.00800	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
1,1-Dichloropropene	ND		0.0500	0.0150	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
cis-1,3-Dichloropropene	ND		0.0500	0.00950	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Ethylbenzene	ND		0.0500	0.0160	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
2-Hexanone	ND		2.50	0.110	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Methylene Chloride	ND		0.100	0.00750	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
4-Methyl-2-pentanone	ND		0.500	0.0800	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Styrene	ND		0.0500	0.0110	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
1,1,1,2-Tetrachloroethane	ND		0.0500	0.0110	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Tetrachloroethene	ND		0.0500	0.0110	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Toluene	ND		0.0500	0.0165	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
1,1,1-Trichloroethane	ND		0.0500	0.0175	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
1,1,2-Trichloroethane	ND		0.0500	0.0190	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Trichloroethene	ND		0.0500	0.0185	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Vinyl chloride	ND		0.0500	0.0180	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
o-Xylene	ND		0.0500	0.0150	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
m,p-Xylene	ND		0.100	0.0285	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0
Xylenes, total	ND		0.100	0.0435	mg/kg wet		06/19/11 01:28	06/19/11 04:14	50.0

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/19/11 01:28*	*06/19/11 04:14*	*50.0*
Dibromofluoromethane	*95*		*75 - 125*	*06/19/11 01:28*	*06/19/11 04:14*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/19/11 01:28*	*06/19/11 04:14*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/19/11 01:28*	*06/19/11 04:14*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5586-BS1
Matrix: Soil
Analysis Batch: U011035

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F5586_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	250	236		ug/kg		94	60 - 150
Benzene	50.0	51.9		ug/kg		104	78 - 126
Bromodichloromethane	50.0	49.4		ug/kg		99	75 - 129
Bromoform	50.0	40.9		ug/kg		82	74 - 133
Bromomethane	50.0	37.6		ug/kg		75	50 - 150
2-Butanone	250	220		ug/kg		88	68 - 149
Carbon disulfide	50.0	52.4		ug/kg		105	80 - 132
Carbon Tetrachloride	50.0	53.1		ug/kg		106	70 - 138
Chlorobenzene	50.0	50.2		ug/kg		100	80 - 123
Chlorodibromomethane	50.0	45.4		ug/kg		91	80 - 127
Chloroethane	50.0	49.8		ug/kg		100	55 - 150
Chloroform	50.0	49.8		ug/kg		100	70 - 127
Chloromethane	50.0	44.4		ug/kg		89	36 - 137
Dibromomethane	50.0	45.7		ug/kg		91	78 - 128
1,2-Dichloroethane	50.0	45.7		ug/kg		91	70 - 139
1,1-Dichloroethane	50.0	54.0		ug/kg		108	71 - 126
1,1-Dichloroethene	50.0	52.6		ug/kg		105	70 - 125
trans-1,2-Dichloroethene	50.0	53.8		ug/kg		108	73 - 128
cis-1,2-Dichloroethene	50.0	51.0		ug/kg		102	75 - 126
1,2-Dichloropropane	50.0	50.6		ug/kg		101	75 - 120
trans-1,3-Dichloropropene	50.0	49.9		ug/kg		100	73 - 128
1,1-Dichloropropene	50.0	52.5		ug/kg		105	78 - 125
cis-1,3-Dichloropropene	50.0	48.9		ug/kg		98	74 - 136
Ethylbenzene	50.0	50.7		ug/kg		101	79 - 130
2-Hexanone	250	235		ug/kg		94	65 - 150
Methylene Chloride	50.0	47.4		ug/kg		95	69 - 140
4-Methyl-2-pentanone	250	207		ug/kg		83	67 - 147
Styrene	50.0	51.1		ug/kg		102	80 - 140
1,1,1,2-Tetrachloroethane	50.0	51.4		ug/kg		103	80 - 132
Tetrachloroethene	50.0	51.0		ug/kg		102	76 - 130
Toluene	50.0	47.7		ug/kg		95	76 - 126
1,1,1-Trichloroethane	50.0	50.8		ug/kg		102	70 - 132
1,1,2-Trichloroethane	50.0	48.1		ug/kg		96	73 - 133
Trichloroethene	50.0	50.3		ug/kg		101	79 - 129
Vinyl chloride	50.0	48.2		ug/kg		96	53 - 142
o-Xylene	50.0	49.0		ug/kg		98	80 - 131
m,p-Xylene	100	100		ug/kg		100	80 - 131
Xylenes, total	150	149		ug/kg		100	80 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*89*		*67 - 138*
Dibromofluoromethane	*99*		*75 - 125*
Toluene-d8	*98*		*76 - 129*
4-Bromofluorobenzene	*101*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5586-BSD1
Matrix: Soil
Analysis Batch: U011035

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11F5586_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone			250	232		ug/kg		93	60 - 150	2	50
Benzene			50.0	54.1		ug/kg		108	78 - 126	4	50
Bromodichloromethane			50.0	50.9		ug/kg		102	75 - 129	3	50
Bromoform			50.0	41.9		ug/kg		84	74 - 133	2	43
Bromomethane			50.0	39.9		ug/kg		80	50 - 150	6	46
2-Butanone			250	227		ug/kg		91	68 - 149	3	50
Carbon disulfide			50.0	54.8		ug/kg		110	80 - 132	4	48
Carbon Tetrachloride			50.0	54.9		ug/kg		110	70 - 138	3	44
Chlorobenzene			50.0	51.1		ug/kg		102	80 - 123	2	50
Chlorodibromomethane			50.0	46.0		ug/kg		92	80 - 127	1	48
Chloroethane			50.0	52.7		ug/kg		105	55 - 150	6	50
Chloroform			50.0	52.0		ug/kg		104	70 - 127	4	50
Chloromethane			50.0	46.1		ug/kg		92	36 - 137	4	44
Dibromomethane			50.0	46.1		ug/kg		92	78 - 128	0.8	50
1,2-Dichloroethane			50.0	47.0		ug/kg		94	70 - 139	3	50
1,1-Dichloroethane			50.0	55.1		ug/kg		110	71 - 126	2	50
1,1-Dichloroethene			50.0	54.7		ug/kg		109	70 - 125	4	50
trans-1,2-Dichloroethene			50.0	55.7		ug/kg		111	73 - 128	3	40
cis-1,2-Dichloroethene			50.0	52.6		ug/kg		105	75 - 126	3	50
1,2-Dichloropropane			50.0	51.4		ug/kg		103	75 - 120	2	50
trans-1,3-Dichloropropene			50.0	50.3		ug/kg		101	73 - 128	0.7	48
1,1-Dichloropropene			50.0	53.6		ug/kg		107	78 - 125	2	50
cis-1,3-Dichloropropene			50.0	48.2		ug/kg		96	74 - 136	1	50
Ethylbenzene			50.0	52.0		ug/kg		104	79 - 130	3	50
2-Hexanone			250	235		ug/kg		94	65 - 150	0.1	50
Methylene Chloride			50.0	48.6		ug/kg		97	69 - 140	3	50
4-Methyl-2-pentanone			250	204		ug/kg		81	67 - 147	1	45
Styrene			50.0	52.3		ug/kg		105	80 - 140	2	50
1,1,1,2-Tetrachloroethane			50.0	52.8		ug/kg		106	80 - 132	3	50
Tetrachloroethene			50.0	51.5		ug/kg		103	76 - 130	0.9	50
Toluene			50.0	47.8		ug/kg		96	76 - 126	0.3	50
1,1,1-Trichloroethane			50.0	53.0		ug/kg		106	70 - 132	4	41
1,1,2-Trichloroethane			50.0	48.2		ug/kg		96	73 - 133	0.3	50
Trichloroethene			50.0	51.9		ug/kg		104	79 - 129	3	50
Vinyl chloride			50.0	49.7		ug/kg		99	53 - 142	3	39
o-Xylene			50.0	50.0		ug/kg		100	80 - 131	2	50
m,p-Xylene			100	102		ug/kg		102	80 - 131	2	50
Xylenes, total			150	152		ug/kg		101	80 - 130	2	50

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*92*		*67 - 138*
Dibromofluoromethane	*100*		*75 - 125*
Toluene-d8	*97*		*76 - 129*
4-Bromofluorobenzene	*98*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5586-MS1
Matrix: Soil
Analysis Batch: U011035

Client Sample ID: HP-15 (14-15)
Prep Type: Total
Prep Batch: 11F5586_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	ND		22.5	23.4		mg/kg dry	☼	104	29 - 181
Benzene	ND		4.49	5.13		mg/kg dry	☼	114	42 - 141
Bromodichloromethane	ND		4.49	4.66		mg/kg dry	☼	104	32 - 155
Bromoform	ND		4.49	3.87		mg/kg dry	☼	86	10 - 155
Bromomethane	ND		4.49	1.91		mg/kg dry	☼	43	10 - 199
2-Butanone	ND		22.5	22.5		mg/kg dry	☼	100	38 - 161
Carbon disulfide	ND		4.49	4.45		mg/kg dry	☼	99	50 - 136
Carbon Tetrachloride	ND		4.49	5.07		mg/kg dry	☼	113	30 - 159
Chlorobenzene	ND		4.49	5.05		mg/kg dry	☼	112	25 - 151
Chlorodibromomethane	ND		4.49	4.20		mg/kg dry	☼	93	27 - 150
Chloroethane	ND		4.49	2.33		mg/kg dry	☼	52	15 - 197
Chloroform	ND		4.49	4.94		mg/kg dry	☼	110	33 - 148
Chloromethane	ND		4.49	4.22		mg/kg dry	☼	94	10 - 166
Dibromomethane	ND		4.49	4.37		mg/kg dry	☼	97	30 - 149
1,2-Dichloroethane	ND		4.49	4.46		mg/kg dry	☼	99	32 - 155
1,1-Dichloroethane	ND		4.49	5.30		mg/kg dry	☼	118	51 - 135
1,1-Dichloroethene	ND		4.49	5.27		mg/kg dry	☼	117	46 - 141
trans-1,2-Dichloroethene	ND		4.49	5.22		mg/kg dry	☼	116	41 - 146
cis-1,2-Dichloroethene	ND		4.49	4.98		mg/kg dry	☼	111	32 - 150
1,2-Dichloropropane	ND		4.49	5.01		mg/kg dry	☼	111	34 - 139
trans-1,3-Dichloropropene	ND		4.49	4.50		mg/kg dry	☼	100	24 - 151
1,1-Dichloropropene	ND		4.49	5.19		mg/kg dry	☼	116	40 - 151
cis-1,3-Dichloropropene	ND		4.49	4.35		mg/kg dry	☼	97	23 - 152
Ethylbenzene	0.298		4.49	5.46		mg/kg dry	☼	115	21 - 165
2-Hexanone	ND		22.5	23.4		mg/kg dry	☼	104	13 - 174
Methylene Chloride	ND		4.49	4.77		mg/kg dry	☼	106	36 - 163
4-Methyl-2-pentanone	ND		22.5	20.0		mg/kg dry	☼	89	19 - 176
Styrene	ND		4.49	5.24		mg/kg dry	☼	117	10 - 177
1,1,1,2-Tetrachloroethane	ND		4.49	5.01		mg/kg dry	☼	112	31 - 150
Tetrachloroethene	ND		4.49	4.91		mg/kg dry	☼	109	33 - 155
Toluene	ND		4.49	4.60		mg/kg dry	☼	102	45 - 145
1,1,1-Trichloroethane	ND		4.49	5.02		mg/kg dry	☼	112	39 - 148
1,1,2-Trichloroethane	ND		4.49	4.70		mg/kg dry	☼	105	43 - 145
Trichloroethene	ND		4.49	4.98		mg/kg dry	☼	111	39 - 150
Vinyl chloride	ND		4.49	4.89		mg/kg dry	☼	109	32 - 163
o-Xylene	0.384		4.49	5.38		mg/kg dry	☼	111	36 - 148
m,p-Xylene	0.939		8.98	11.2		mg/kg dry	☼	114	31 - 159
Xylenes, total	1.32		13.5	16.6		mg/kg dry	☼	113	31 - 159

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*88*		*67 - 138*
Dibromofluoromethane	*97*		*75 - 125*
Toluene-d8	*96*		*76 - 129*
4-Bromofluorobenzene	*98*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5586-MSD1
Matrix: Soil
Analysis Batch: U011035

Client Sample ID: HP-15 (14-15)
Prep Type: Total
Prep Batch: 11F5586_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	ND		22.5	24.3		mg/kg dry	☼	108	29 - 181	4	50
Benzene	ND		4.49	5.17		mg/kg dry	☼	115	42 - 141	0.9	50
Bromodichloromethane	ND		4.49	4.79		mg/kg dry	☼	107	32 - 155	3	50
Bromoform	ND		4.49	4.09		mg/kg dry	☼	91	10 - 155	5	43
Bromomethane	ND		4.49	2.11		mg/kg dry	☼	47	10 - 199	10	46
2-Butanone	ND		22.5	23.4		mg/kg dry	☼	104	38 - 161	4	50
Carbon disulfide	ND		4.49	4.80		mg/kg dry	☼	107	50 - 136	7	48
Carbon Tetrachloride	ND		4.49	5.24		mg/kg dry	☼	117	30 - 159	3	44
Chlorobenzene	ND		4.49	5.11		mg/kg dry	☼	114	25 - 151	1	50
Chlorodibromomethane	ND		4.49	4.41		mg/kg dry	☼	98	27 - 150	5	48
Chloroethane	ND		4.49	2.41		mg/kg dry	☼	54	15 - 197	3	50
Chloroform	ND		4.49	4.97		mg/kg dry	☼	111	33 - 148	0.6	50
Chloromethane	ND		4.49	4.84		mg/kg dry	☼	108	10 - 166	14	44
Dibromomethane	ND		4.49	4.46		mg/kg dry	☼	99	30 - 149	2	50
1,2-Dichloroethane	ND		4.49	4.54		mg/kg dry	☼	101	32 - 155	2	50
1,1-Dichloroethane	ND		4.49	5.40		mg/kg dry	☼	120	51 - 135	2	50
1,1-Dichloroethene	ND		4.49	5.34		mg/kg dry	☼	119	46 - 141	1	50
trans-1,2-Dichloroethene	ND		4.49	5.34		mg/kg dry	☼	119	41 - 146	2	40
cis-1,2-Dichloroethene	ND		4.49	5.11		mg/kg dry	☼	114	32 - 150	3	50
1,2-Dichloropropane	ND		4.49	5.10		mg/kg dry	☼	114	34 - 139	2	50
trans-1,3-Dichloropropene	ND		4.49	4.66		mg/kg dry	☼	104	24 - 151	4	48
1,1-Dichloropropene	ND		4.49	5.27		mg/kg dry	☼	117	40 - 151	1	50
cis-1,3-Dichloropropene	ND		4.49	4.52		mg/kg dry	☼	101	23 - 152	4	50
Ethylbenzene	0.298		4.49	5.53		mg/kg dry	☼	117	21 - 165	1	50
2-Hexanone	ND		22.5	24.4		mg/kg dry	☼	109	13 - 174	4	50
Methylene Chloride	ND		4.49	4.83		mg/kg dry	☼	108	36 - 163	1	50
4-Methyl-2-pentanone	ND		22.5	20.6		mg/kg dry	☼	92	19 - 176	3	45
Styrene	ND		4.49	5.31		mg/kg dry	☼	118	10 - 177	1	50
1,1,1,2-Tetrachloroethane	ND		4.49	5.12		mg/kg dry	☼	114	31 - 150	2	50
Tetrachloroethene	ND		4.49	4.99		mg/kg dry	☼	111	33 - 155	2	50
Toluene	ND		4.49	4.63		mg/kg dry	☼	103	45 - 145	0.5	50
1,1,1-Trichloroethane	ND		4.49	5.11		mg/kg dry	☼	114	39 - 148	2	41
1,1,2-Trichloroethane	ND		4.49	4.83		mg/kg dry	☼	108	43 - 145	3	50
Trichloroethene	ND		4.49	5.11		mg/kg dry	☼	114	39 - 150	3	50
Vinyl chloride	ND		4.49	3.02	R2	mg/kg dry	☼	67	32 - 163	47	39
o-Xylene	0.384		4.49	5.44		mg/kg dry	☼	112	36 - 148	1	50
m,p-Xylene	0.939		8.98	11.3		mg/kg dry	☼	116	31 - 159	1	50
Xylenes, total	1.32		13.5	16.8		mg/kg dry	☼	115	31 - 159	1	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*91*		*67 - 138*
Dibromofluoromethane	*96*		*75 - 125*
Toluene-d8	*95*		*76 - 129*
4-Bromofluorobenzene	*100*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5624-BLK1
Matrix: Soil
Analysis Batch: U011054

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F5624_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	1.25	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Benzene	ND		0.0500	0.0135	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Bromodichloromethane	ND		0.0500	0.0185	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Bromoform	ND		0.0500	0.0110	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Bromomethane	ND		0.0500	0.0235	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
2-Butanone	ND		0.500	0.0850	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Carbon disulfide	ND		0.0500	0.0145	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Carbon Tetrachloride	ND		0.0500	0.0135	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Chlorobenzene	ND		0.0500	0.0190	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Chlorodibromomethane	ND		0.0500	0.0150	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Chloroethane	ND		0.0500	0.0205	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Chloroform	ND		0.0500	0.0235	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Chloromethane	ND		0.0500	0.00900	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Dibromomethane	ND		0.0500	0.0215	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,2-Dichloroethane	ND		0.0500	0.0190	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1-Dichloroethane	ND		0.0500	0.0160	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
trans-1,2-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
cis-1,2-Dichloroethene	ND		0.0500	0.0190	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,2-Dichloropropane	ND		0.0500	0.0165	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
trans-1,3-Dichloropropene	ND		0.0500	0.00800	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1-Dichloropropene	ND		0.0500	0.0150	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
cis-1,3-Dichloropropene	ND		0.0500	0.00950	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Ethylbenzene	ND		0.0500	0.0160	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
2-Hexanone	ND		2.50	0.110	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Methylene Chloride	0.0160	J	0.100	0.00750	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
4-Methyl-2-pentanone	ND		0.500	0.0800	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Styrene	ND		0.0500	0.0110	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1,1,2-Tetrachloroethane	ND		0.0500	0.0110	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Tetrachloroethene	ND		0.0500	0.0110	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Toluene	ND		0.0500	0.0165	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1,1-Trichloroethane	ND		0.0500	0.0175	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1,2-Trichloroethane	ND		0.0500	0.0190	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Trichloroethene	ND		0.0500	0.0185	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Vinyl chloride	ND		0.0500	0.0180	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
o-Xylene	ND		0.0500	0.0150	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
m,p-Xylene	ND		0.100	0.0285	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Xylenes, total	ND		0.100	0.0435	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*102*		*67 - 138*	*06/21/11 23:28*	*06/22/11 02:46*	*50.0*
Dibromofluoromethane	*98*		*75 - 125*	*06/21/11 23:28*	*06/22/11 02:46*	*50.0*
Toluene-d8	*100*		*76 - 129*	*06/21/11 23:28*	*06/22/11 02:46*	*50.0*
4-Bromofluorobenzene	*94*		*67 - 147*	*06/21/11 23:28*	*06/22/11 02:46*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5624-BS1
Matrix: Soil
Analysis Batch: U011054

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F5624_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	250	274		ug/kg		110	60 - 150
Benzene	50.0	52.5		ug/kg		105	78 - 126
Bromodichloromethane	50.0	55.9		ug/kg		112	75 - 129
Bromoform	50.0	45.1		ug/kg		90	74 - 133
Bromomethane	50.0	49.8		ug/kg		100	50 - 150
2-Butanone	250	230		ug/kg		92	68 - 149
Carbon disulfide	50.0	49.5		ug/kg		99	80 - 132
Carbon Tetrachloride	50.0	56.7		ug/kg		113	70 - 138
Chlorobenzene	50.0	52.3		ug/kg		105	80 - 123
Chlorodibromomethane	50.0	51.3		ug/kg		103	80 - 127
Chloroethane	50.0	50.5		ug/kg		101	55 - 150
Chloroform	50.0	53.3		ug/kg		107	70 - 127
Chloromethane	50.0	32.7		ug/kg		65	36 - 137
Dibromomethane	50.0	51.1		ug/kg		102	78 - 128
1,2-Dichloroethane	50.0	51.1		ug/kg		102	70 - 139
1,1-Dichloroethane	50.0	48.9		ug/kg		98	71 - 126
1,1-Dichloroethene	50.0	48.7		ug/kg		97	70 - 125
trans-1,2-Dichloroethene	50.0	50.0		ug/kg		100	73 - 128
cis-1,2-Dichloroethene	50.0	50.2		ug/kg		100	75 - 126
1,2-Dichloropropane	50.0	51.9		ug/kg		104	75 - 120
trans-1,3-Dichloropropene	50.0	50.0		ug/kg		100	73 - 128
1,1-Dichloropropene	50.0	52.4		ug/kg		105	78 - 125
cis-1,3-Dichloropropene	50.0	61.1		ug/kg		122	74 - 136
Ethylbenzene	50.0	56.5		ug/kg		113	79 - 130
2-Hexanone	250	263		ug/kg		105	65 - 150
Methylene Chloride	50.0	52.1	B	ug/kg		104	69 - 140
4-Methyl-2-pentanone	250	271		ug/kg		109	67 - 147
Styrene	50.0	58.8		ug/kg		118	80 - 140
1,1,1,2-Tetrachloroethane	50.0	58.2		ug/kg		116	80 - 132
Tetrachloroethene	50.0	53.6		ug/kg		107	76 - 130
Toluene	50.0	54.1		ug/kg		108	76 - 126
1,1,1-Trichloroethane	50.0	53.9		ug/kg		108	70 - 132
1,1,2-Trichloroethane	50.0	52.5		ug/kg		105	73 - 133
Trichloroethene	50.0	52.5		ug/kg		105	79 - 129
Vinyl chloride	50.0	41.4		ug/kg		83	53 - 142
o-Xylene	50.0	57.6		ug/kg		115	80 - 131
m,p-Xylene	100	114		ug/kg		114	80 - 131
Xylenes, total	150	172		ug/kg		114	80 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*97*		*67 - 138*
Dibromofluoromethane	*100*		*75 - 125*
Toluene-d8	*103*		*76 - 129*
4-Bromofluorobenzene	*93*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5624-BSD1
Matrix: Soil
Analysis Batch: U011054

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11F5624_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone			250	279		ug/kg		112	60 - 150	2	50
Benzene			50.0	51.2		ug/kg		102	78 - 126	3	50
Bromodichloromethane			50.0	54.5		ug/kg		109	75 - 129	3	50
Bromoform			50.0	45.7		ug/kg		91	74 - 133	1	43
Bromomethane			50.0	46.6		ug/kg		93	50 - 150	6	46
2-Butanone			250	228		ug/kg		91	68 - 149	0.9	50
Carbon disulfide			50.0	48.2		ug/kg		96	80 - 132	3	48
Carbon Tetrachloride			50.0	54.9		ug/kg		110	70 - 138	3	44
Chlorobenzene			50.0	51.8		ug/kg		104	80 - 123	1	50
Chlorodibromomethane			50.0	51.1		ug/kg		102	80 - 127	0.5	48
Chloroethane			50.0	48.8		ug/kg		98	55 - 150	3	50
Chloroform			50.0	52.2		ug/kg		104	70 - 127	2	50
Chloromethane			50.0	30.7		ug/kg		61	36 - 137	6	44
Dibromomethane			50.0	50.3		ug/kg		101	78 - 128	1	50
1,2-Dichloroethane			50.0	49.6		ug/kg		99	70 - 139	3	50
1,1-Dichloroethane			50.0	47.9		ug/kg		96	71 - 126	2	50
1,1-Dichloroethene			50.0	47.5		ug/kg		95	70 - 125	2	50
trans-1,2-Dichloroethene			50.0	48.9		ug/kg		98	73 - 128	2	40
cis-1,2-Dichloroethene			50.0	49.6		ug/kg		99	75 - 126	1	50
1,2-Dichloropropane			50.0	50.5		ug/kg		101	75 - 120	3	50
trans-1,3-Dichloropropene			50.0	50.0		ug/kg		100	73 - 128	0.2	48
1,1-Dichloropropene			50.0	50.8		ug/kg		102	78 - 125	3	50
cis-1,3-Dichloropropene			50.0	60.2		ug/kg		120	74 - 136	1	50
Ethylbenzene			50.0	55.5		ug/kg		111	79 - 130	2	50
2-Hexanone			250	266		ug/kg		106	65 - 150	1	50
Methylene Chloride			50.0	50.0	B	ug/kg		100	69 - 140	4	50
4-Methyl-2-pentanone			250	265		ug/kg		106	67 - 147	3	45
Styrene			50.0	58.4		ug/kg		117	80 - 140	0.7	50
1,1,1,2-Tetrachloroethane			50.0	57.7		ug/kg		115	80 - 132	0.9	50
Tetrachloroethene			50.0	52.3		ug/kg		105	76 - 130	2	50
Toluene			50.0	52.8		ug/kg		106	76 - 126	2	50
1,1,1-Trichloroethane			50.0	52.3		ug/kg		105	70 - 132	3	41
1,1,2-Trichloroethane			50.0	52.7		ug/kg		105	73 - 133	0.4	50
Trichloroethene			50.0	51.2		ug/kg		102	79 - 129	3	50
Vinyl chloride			50.0	39.4		ug/kg		79	53 - 142	5	39
o-Xylene			50.0	57.4		ug/kg		115	80 - 131	0.3	50
m,p-Xylene			100	113		ug/kg		113	80 - 131	1	50
Xylenes, total			150	170		ug/kg		113	80 - 130	0.9	50

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*96*		*67 - 138*
Dibromofluoromethane	*101*		*75 - 125*
Toluene-d8	*103*		*76 - 129*
4-Bromofluorobenzene	*93*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5624-MS1
Matrix: Soil
Analysis Batch: U011054

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11F5624_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	ND		464	478		mg/kg dry	☼	103	29 - 181
Benzene	ND		92.8	92.3		mg/kg dry	☼	99	42 - 141
Bromodichloromethane	ND		92.8	93.5		mg/kg dry	☼	101	32 - 155
Bromoform	ND		92.8	71.5		mg/kg dry	☼	77	10 - 155
Bromomethane	ND		92.8	13.5		mg/kg dry	☼	15	10 - 199
2-Butanone	ND		464	425		mg/kg dry	☼	92	38 - 161
Carbon disulfide	ND		92.8	77.6		mg/kg dry	☼	84	50 - 136
Carbon Tetrachloride	ND		92.8	95.2		mg/kg dry	☼	103	30 - 159
Chlorobenzene	ND		92.8	93.3		mg/kg dry	☼	100	25 - 151
Chlorodibromomethane	ND		92.8	83.2		mg/kg dry	☼	90	27 - 150
Chloroethane	ND		92.8	10.0	M8	mg/kg dry	☼	11	15 - 197
Chloroform	ND		92.8	91.8		mg/kg dry	☼	99	33 - 148
Chloromethane	ND		92.8	64.0		mg/kg dry	☼	69	10 - 166
Dibromomethane	ND		92.8	88.7		mg/kg dry	☼	96	30 - 149
1,2-Dichloroethane	ND		92.8	87.7		mg/kg dry	☼	94	32 - 155
1,1-Dichloroethane	ND		92.8	80.0		mg/kg dry	☼	86	51 - 135
1,1-Dichloroethene	ND		92.8	81.4		mg/kg dry	☼	88	46 - 141
trans-1,2-Dichloroethene	ND		92.8	82.6		mg/kg dry	☼	89	41 - 146
cis-1,2-Dichloroethene	ND		92.8	89.0		mg/kg dry	☼	96	32 - 150
1,2-Dichloropropane	ND		92.8	91.9		mg/kg dry	☼	99	34 - 139
trans-1,3-Dichloropropene	ND		92.8	86.2		mg/kg dry	☼	93	24 - 151
1,1-Dichloropropene	ND		92.8	96.0		mg/kg dry	☼	103	40 - 151
cis-1,3-Dichloropropene	ND		92.8	105		mg/kg dry	☼	113	23 - 152
Ethylbenzene	82.4		92.8	177		mg/kg dry	☼	102	21 - 165
2-Hexanone	ND		464	499		mg/kg dry	☼	107	13 - 174
Methylene Chloride	ND		92.8	87.9	B	mg/kg dry	☼	95	36 - 163
4-Methyl-2-pentanone	ND		464	491		mg/kg dry	☼	106	19 - 176
Styrene	ND		92.8	109		mg/kg dry	☼	118	10 - 177
1,1,1,2-Tetrachloroethane	ND		92.8	98.8		mg/kg dry	☼	106	31 - 150
Tetrachloroethene	ND		92.8	96.3		mg/kg dry	☼	104	33 - 155
Toluene	199		92.8	278		mg/kg dry	☼	85	45 - 145
1,1,1-Trichloroethane	ND		92.8	94.5		mg/kg dry	☼	102	39 - 148
1,1,2-Trichloroethane	ND		92.8	94.7		mg/kg dry	☼	102	43 - 145
Trichloroethene	ND		92.8	94.9		mg/kg dry	☼	102	39 - 150
Vinyl chloride	ND		92.8	80.2		mg/kg dry	☼	86	32 - 163
o-Xylene	124		92.8	220		mg/kg dry	☼	103	36 - 148
m,p-Xylene	314		186	473		mg/kg dry	☼	85	31 - 159
Xylenes, total	439		279	692		mg/kg dry	☼	91	31 - 159

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*94*		*67 - 138*
Dibromofluoromethane	*95*		*75 - 125*
Toluene-d8	*100*		*76 - 129*
4-Bromofluorobenzene	*95*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5624-MSD1
Matrix: Soil
Analysis Batch: U011054

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11F5624_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	ND		464	524		mg/kg dry	☼	113	29 - 181	9	50
Benzene	ND		92.8	92.4		mg/kg dry	☼	100	42 - 141	0.2	50
Bromodichloromethane	ND		92.8	96.7		mg/kg dry	☼	104	32 - 155	3	50
Bromoform	ND		92.8	76.3		mg/kg dry	☼	82	10 - 155	7	43
Bromomethane	ND		92.8	12.9		mg/kg dry	☼	14	10 - 199	4	46
2-Butanone	ND		464	481		mg/kg dry	☼	104	38 - 161	12	50
Carbon disulfide	ND		92.8	76.2		mg/kg dry	☼	82	50 - 136	2	48
Carbon Tetrachloride	ND		92.8	97.7		mg/kg dry	☼	105	30 - 159	3	44
Chlorobenzene	ND		92.8	93.7		mg/kg dry	☼	101	25 - 151	0.4	50
Chlorodibromomethane	ND		92.8	86.2		mg/kg dry	☼	93	27 - 150	4	48
Chloroethane	ND		92.8	11.3	M8	mg/kg dry	☼	12	15 - 197	13	50
Chloroform	ND		92.8	92.9		mg/kg dry	☼	100	33 - 148	1	50
Chloromethane	ND		92.8	62.1		mg/kg dry	☼	67	10 - 166	3	44
Dibromomethane	ND		92.8	90.9		mg/kg dry	☼	98	30 - 149	2	50
1,2-Dichloroethane	ND		92.8	89.0		mg/kg dry	☼	96	32 - 155	1	50
1,1-Dichloroethane	ND		92.8	77.6		mg/kg dry	☼	84	51 - 135	3	50
1,1-Dichloroethene	ND		92.8	80.1		mg/kg dry	☼	86	46 - 141	2	50
trans-1,2-Dichloroethene	ND		92.8	80.0		mg/kg dry	☼	86	41 - 146	3	40
cis-1,2-Dichloroethene	ND		92.8	92.1		mg/kg dry	☼	99	32 - 150	3	50
1,2-Dichloropropane	ND		92.8	93.1		mg/kg dry	☼	100	34 - 139	1	50
trans-1,3-Dichloropropene	ND		92.8	88.2		mg/kg dry	☼	95	24 - 151	2	48
1,1-Dichloropropene	ND		92.8	95.9		mg/kg dry	☼	103	40 - 151	0.02	50
cis-1,3-Dichloropropene	ND		92.8	108		mg/kg dry	☼	116	23 - 152	2	50
Ethylbenzene	82.4		92.8	175		mg/kg dry	☼	100	21 - 165	1	50
2-Hexanone	ND		464	548		mg/kg dry	☼	118	13 - 174	9	50
Methylene Chloride	ND		92.8	84.6	B	mg/kg dry	☼	91	36 - 163	4	50
4-Methyl-2-pentanone	ND		464	523		mg/kg dry	☼	113	19 - 176	6	45
Styrene	ND		92.8	109		mg/kg dry	☼	118	10 - 177	0.03	50
1,1,1,2-Tetrachloroethane	ND		92.8	100		mg/kg dry	☼	108	31 - 150	1	50
Tetrachloroethene	ND		92.8	95.6		mg/kg dry	☼	103	33 - 155	0.7	50
Toluene	199		92.8	273		mg/kg dry	☼	80	45 - 145	2	50
1,1,1-Trichloroethane	ND		92.8	96.5		mg/kg dry	☼	104	39 - 148	2	41
1,1,2-Trichloroethane	ND		92.8	97.1		mg/kg dry	☼	105	43 - 145	3	50
Trichloroethene	ND		92.8	95.4		mg/kg dry	☼	103	39 - 150	0.5	50
Vinyl chloride	ND		92.8	78.5		mg/kg dry	☼	84	32 - 163	2	39
o-Xylene	124		92.8	217		mg/kg dry	☼	100	36 - 148	1	50
m,p-Xylene	314		186	463		mg/kg dry	☼	80	31 - 159	2	50
Xylenes, total	439		279	680		mg/kg dry	☼	87	31 - 159	2	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*97*		*67 - 138*
Dibromofluoromethane	*96*		*75 - 125*
Toluene-d8	*100*		*76 - 129*
4-Bromofluorobenzene	*96*		*67 - 147*

Method: SW846 9060M - General Chemistry Parameters

Lab Sample ID: 11F4425-BLK1 — **Client Sample ID: Method Blank**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F4425 — **Prep Batch: 11F4425_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	734	J	1000	630	mg/kg wet		06/17/11 09:04	06/20/11 09:39	1.00

Lab Sample ID: 11F4425-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F4425 — **Prep Batch: 11F4425_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Total Organic Carbon			29900	31000	B	mg/kg wet		104	80 - 120		

Lab Sample ID: 11F4425-DUP1 — **Client Sample ID: Duplicate**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F4425 — **Prep Batch: 11F4425_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	765			878	J B	mg/kg dry	☼			14	35

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11F5068-DUP1 — **Client Sample ID: HP-19 (4-5)**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F5068 — **Prep Batch: 11F5068_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	91.5			91.3		%				0.2	20

Lab Sample ID: 11F5069-DUP1 — **Client Sample ID: Duplicate**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F5069 — **Prep Batch: 11F5069_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	84.9			83.6		%				2	20

GCMS Volatiles

Analysis Batch: U011023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5534-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11F5534_P
11F5534-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11F5534_P
11F5534-BLK1	Method Blank	Total	Soil	SW846 8260B	11F5534_P
NUF2439-21	Trip Blank	Total	Soil	SW846 8260B	11F5534_P
NUF2439-01	HP-21 (4-5)	Total	Soil	SW846 8260B	11F5534_P
NUF2439-02	HP-21 (7-8)	Total	Soil	SW846 8260B	11F5534_P
11F5534-MS1	Matrix Spike	Total	Soil	SW846 8260B	11F5534_P
11F5534-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11F5534_P

Analysis Batch: U011035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5586-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11F5586_P
11F5586-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11F5586_P
11F5586-BLK1	Method Blank	Total	Soil	SW846 8260B	11F5586_P
NUF2439-03	HP-20 (4-5)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-04	HP-20 (7-8)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-05	HP-19 (4-5)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-06	HP-19 (10-11)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-07	HP-18 (4-5)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-08	HP-18 (6-7)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-10	HP-17 (2-3)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-11	HP-17 (3-4)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-12	BD061411	Total	Soil	SW846 8260B	11F5586_P
NUF2439-13	HP-17 (6-7)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-14	HP-16 (4-5)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-15	HP-16 (6-7)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-16	HP-15 (5-6)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-17	HP-15 (11-12)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-18	HP-15 (14-15)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-19	HP-14 (3-4)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-20	HP-14 (6-7)	Total	Soil	SW846 8260B	11F5586_P
NUF2439-09	HP-18 (9-10)	Total	Soil	SW846 8260B	11F5586_P
11F5586-MS1	HP-15 (14-15)	Total	Soil	SW846 8260B	11F5586_P
11F5586-MSD1	HP-15 (14-15)	Total	Soil	SW846 8260B	11F5586_P

Analysis Batch: U011054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5624-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11F5624_P
11F5624-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11F5624_P
11F5624-BLK1	Method Blank	Total	Soil	SW846 8260B	11F5624_P
NUF2439-09 - RE1	HP-18 (9-10)	Total	Soil	SW846 8260B	11F5624_P
11F5624-MS1	Matrix Spike	Total	Soil	SW846 8260B	11F5624_P
11F5624-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11F5624_P

Prep Batch: 11F5534_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5534-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11F5534-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11F5534-BLK1	Method Blank	Total	Soil	EPA 5035	
NUF2439-21	Trip Blank	Total	Soil	EPA 5035	
NUF2439-01	HP-21 (4-5)	Total	Soil	EPA 5035	
NUF2439-02	HP-21 (7-8)	Total	Soil	EPA 5035	

GCMS Volatiles (Continued)

Prep Batch: 11F5534_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5534-MS1	Matrix Spike	Total	Soil	EPA 5035	
11F5534-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	

Prep Batch: 11F5586_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5586-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11F5586-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11F5586-BLK1	Method Blank	Total	Soil	EPA 5035	
NUF2439-03	HP-20 (4-5)	Total	Soil	EPA 5035	
NUF2439-04	HP-20 (7-8)	Total	Soil	EPA 5035	
NUF2439-05	HP-19 (4-5)	Total	Soil	EPA 5035	
NUF2439-06	HP-19 (10-11)	Total	Soil	EPA 5035	
NUF2439-07	HP-18 (4-5)	Total	Soil	EPA 5035	
NUF2439-08	HP-18 (6-7)	Total	Soil	EPA 5035	
NUF2439-10	HP-17 (2-3)	Total	Soil	EPA 5035	
NUF2439-11	HP-17 (3-4)	Total	Soil	EPA 5035	
NUF2439-12	BD061411	Total	Soil	EPA 5035	
NUF2439-13	HP-17 (6-7)	Total	Soil	EPA 5035	
NUF2439-14	HP-16 (4-5)	Total	Soil	EPA 5035	
NUF2439-15	HP-16 (6-7)	Total	Soil	EPA 5035	
NUF2439-16	HP-15 (5-6)	Total	Soil	EPA 5035	
NUF2439-17	HP-15 (11-12)	Total	Soil	EPA 5035	
NUF2439-18	HP-15 (14-15)	Total	Soil	EPA 5035	
NUF2439-19	HP-14 (3-4)	Total	Soil	EPA 5035	
NUF2439-20	HP-14 (6-7)	Total	Soil	EPA 5035	
NUF2439-09	HP-18 (9-10)	Total	Soil	EPA 5035	
11F5586-MS1	HP-15 (14-15)	Total	Soil	EPA 5035	
11F5586-MSD1	HP-15 (14-15)	Total	Soil	EPA 5035	

Prep Batch: 11F5624_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5624-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11F5624-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11F5624-BLK1	Method Blank	Total	Soil	EPA 5035	
NUF2439-09 - RE1	HP-18 (9-10)	Total	Soil	EPA 5035	
11F5624-MS1	Matrix Spike	Total	Soil	EPA 5035	
11F5624-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	

WetChem

Analysis Batch: 11F4425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F4425-BLK1	Method Blank	Total	Soil	SW846 9060M	11F4425_P
11F4425-BS1	Lab Control Sample	Total	Soil	SW846 9060M	11F4425_P
11F4425-DUP1	Duplicate	Total	Soil	SW846 9060M	11F4425_P
NUF2439-06	HP-19 (10-11)	Total	Soil	SW846 9060M	11F4425_P
NUF2439-18	HP-15 (14-15)	Total	Soil	SW846 9060M	11F4425_P

Prep Batch: 11F4425_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F4425-BLK1	Method Blank	Total	Soil	NO PREP	
11F4425-BS1	Lab Control Sample	Total	Soil	NO PREP	

WetChem (Continued)

Prep Batch: 11F4425_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F4425-DUP1	Duplicate	Total	Soil	NO PREP	
NUF2439-06	HP-19 (10-11)	Total	Soil	NO PREP	
NUF2439-18	HP-15 (14-15)	Total	Soil	NO PREP	

Project Management

Analysis Batch: 11F6416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUF2439-02	HP-21 (7-8)	Total	Soil	subcontract	11F6416_P
NUF2439-04	HP-20 (7-8)	Total	Soil	subcontract	11F6416_P
NUF2439-06	HP-19 (10-11)	Total	Soil	subcontract	11F6416_P
NUF2439-08	HP-18 (6-7)	Total	Soil	subcontract	11F6416_P
NUF2439-09	HP-18 (9-10)	Total	Soil	subcontract	11F6416_P
NUF2439-11	HP-17 (3-4)	Total	Soil	subcontract	11F6416_P
NUF2439-12	BD061411	Total	Soil	subcontract	11F6416_P
NUF2439-13	HP-17 (6-7)	Total	Soil	subcontract	11F6416_P
NUF2439-15	HP-16 (6-7)	Total	Soil	subcontract	11F6416_P
NUF2439-17	HP-15 (11-12)	Total	Soil	subcontract	11F6416_P
NUF2439-18	HP-15 (14-15)	Total	Soil	subcontract	11F6416_P
NUF2439-20	HP-14 (6-7)	Total	Soil	subcontract	11F6416_P

Prep Batch: 11F6416_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUF2439-02	HP-21 (7-8)	Total	Soil	*** DEFAULT PREP ***	
NUF2439-04	HP-20 (7-8)	Total	Soil	*** DEFAULT PREP ***	
NUF2439-06	HP-19 (10-11)	Total	Soil	*** DEFAULT PREP ***	
NUF2439-08	HP-18 (6-7)	Total	Soil	*** DEFAULT PREP ***	
NUF2439-09	HP-18 (9-10)	Total	Soil	*** DEFAULT PREP ***	
NUF2439-11	HP-17 (3-4)	Total	Soil	*** DEFAULT PREP ***	
NUF2439-12	BD061411	Total	Soil	*** DEFAULT PREP ***	
NUF2439-13	HP-17 (6-7)	Total	Soil	*** DEFAULT PREP ***	
NUF2439-15	HP-16 (6-7)	Total	Soil	*** DEFAULT PREP ***	
NUF2439-17	HP-15 (11-12)	Total	Soil	*** DEFAULT PREP ***	
NUF2439-18	HP-15 (14-15)	Total	Soil	*** DEFAULT PREP ***	
NUF2439-20	HP-14 (6-7)	Total	Soil	*** DEFAULT PREP ***	

Extractions

Analysis Batch: 11F5068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5068-DUP1	HP-19 (4-5)	Total	Soil	SW-846	11F5068_P
NUF2439-05	HP-19 (4-5)	Total	Soil	SW-846	11F5068_P
NUF2439-06	HP-19 (10-11)	Total	Soil	SW-846	11F5068_P

Extractions (Continued)

Analysis Batch: 11F5068 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUF2439-07	HP-18 (4-5)	Total	Soil	SW-846	11F5068_P
NUF2439-08	HP-18 (6-7)	Total	Soil	SW-846	11F5068_P
NUF2439-09	HP-18 (9-10)	Total	Soil	SW-846	11F5068_P
NUF2439-10	HP-17 (2-3)	Total	Soil	SW-846	11F5068_P
NUF2439-11	HP-17 (3-4)	Total	Soil	SW-846	11F5068_P
NUF2439-12	BD061411	Total	Soil	SW-846	11F5068_P
NUF2439-13	HP-17 (6-7)	Total	Soil	SW-846	11F5068_P
NUF2439-14	HP-16 (4-5)	Total	Soil	SW-846	11F5068_P
NUF2439-15	HP-16 (6-7)	Total	Soil	SW-846	11F5068_P
NUF2439-16	HP-15 (5-6)	Total	Soil	SW-846	11F5068_P
NUF2439-17	HP-15 (11-12)	Total	Soil	SW-846	11F5068_P
NUF2439-18	HP-15 (14-15)	Total	Soil	SW-846	11F5068_P
NUF2439-19	HP-14 (3-4)	Total	Soil	SW-846	11F5068_P
NUF2439-20	HP-14 (6-7)	Total	Soil	SW-846	11F5068_P

Analysis Batch: 11F5069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5069-DUP1	Duplicate	Total	Soil	SW-846	11F5069_P
NUF2439-01	HP-21 (4-5)	Total	Soil	SW-846	11F5069_P
NUF2439-02	HP-21 (7-8)	Total	Soil	SW-846	11F5069_P
NUF2439-03	HP-20 (4-5)	Total	Soil	SW-846	11F5069_P
NUF2439-04	HP-20 (7-8)	Total	Soil	SW-846	11F5069_P

Prep Batch: 11F5068_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5068-DUP1	HP-19 (4-5)	Total	Soil	% Solids	
NUF2439-05	HP-19 (4-5)	Total	Soil	% Solids	
NUF2439-06	HP-19 (10-11)	Total	Soil	% Solids	
NUF2439-07	HP-18 (4-5)	Total	Soil	% Solids	
NUF2439-08	HP-18 (6-7)	Total	Soil	% Solids	
NUF2439-09	HP-18 (9-10)	Total	Soil	% Solids	
NUF2439-10	HP-17 (2-3)	Total	Soil	% Solids	
NUF2439-11	HP-17 (3-4)	Total	Soil	% Solids	
NUF2439-12	BD061411	Total	Soil	% Solids	
NUF2439-13	HP-17 (6-7)	Total	Soil	% Solids	
NUF2439-14	HP-16 (4-5)	Total	Soil	% Solids	
NUF2439-15	HP-16 (6-7)	Total	Soil	% Solids	
NUF2439-16	HP-15 (5-6)	Total	Soil	% Solids	
NUF2439-17	HP-15 (11-12)	Total	Soil	% Solids	
NUF2439-18	HP-15 (14-15)	Total	Soil	% Solids	
NUF2439-19	HP-14 (3-4)	Total	Soil	% Solids	
NUF2439-20	HP-14 (6-7)	Total	Soil	% Solids	

Prep Batch: 11F5069_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5069-DUP1	Duplicate	Total	Soil	% Solids	
NUF2439-01	HP-21 (4-5)	Total	Soil	% Solids	
NUF2439-02	HP-21 (7-8)	Total	Soil	% Solids	
NUF2439-03	HP-20 (4-5)	Total	Soil	% Solids	
NUF2439-04	HP-20 (7-8)	Total	Soil	% Solids	

Client Sample ID: HP-21 (4-5)

Lab Sample ID: NUF2439-01
Date Collected: 06/14/11 09:13
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.57	11F5534_P	06/14/11 09:13	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 23:11	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5069_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5069	06/21/11 13:22	RRS	TAL NSH

Client Sample ID: HP-21 (7-8)

Lab Sample ID: NUF2439-02
Date Collected: 06/14/11 09:19
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.45	11F5534_P	06/14/11 09:19	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 23:38	EML	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5069_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5069	06/21/11 13:22	RRS	TAL NSH

Client Sample ID: HP-20 (4-5)

Lab Sample ID: NUF2439-03
Date Collected: 06/14/11 10:10
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.50	11F5586_P	06/14/11 10:10	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 04:41	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5069_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5069	06/21/11 13:22	RRS	TAL NSH

Client Sample ID: HP-20 (7-8)

Lab Sample ID: NUF2439-04
Date Collected: 06/14/11 10:25
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.50	11F5586_P	06/14/11 10:25	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 05:09	EML	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5069_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5069	06/21/11 13:22	RRS	TAL NSH

Client Sample ID: HP-19 (4-5)

Lab Sample ID: NUF2439-05
Date Collected: 06/14/11 10:55
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		2.00	11F5586_P	06/14/11 10:55	AAN	TAL NSH

Client Sample ID: HP-19 (4-5)

Lab Sample ID: NUF2439-05

Date Collected: 06/14/11 10:55
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 05:36	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-19 (10-11)

Lab Sample ID: NUF2439-06

Date Collected: 06/14/11 11:10
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.58	11F5586_P	06/14/11 11:10	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 06:04	EML	TAL NSH
Total	Prep	NO PREP		1.00	11F4425_P	06/17/11 09:04	SHJ	TAL NSH
Total	Analysis	SW846 9060M		1.00	11F4425	06/20/11 14:09	SHJ	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-18 (4-5)

Lab Sample ID: NUF2439-07

Date Collected: 06/14/11 11:20
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		2.18	11F5586_P	06/14/11 11:20	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 06:31	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-18 (6-7)

Lab Sample ID: NUF2439-08

Date Collected: 06/14/11 11:30
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.05	11F5586_P	06/14/11 11:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 06:59	EML	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-18 (9-10)

Lab Sample ID: NUF2439-09
Date Collected: 06/14/11 11:40
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.53	11F5586_P	06/14/11 11:40	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 12:30	EML	TAL NSH
Total	Prep	EPA 5035	RE1	1.53	11F5624_P	06/14/11 11:40	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	500	U011054	06/22/11 06:04	EML	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-17 (2-3)

Lab Sample ID: NUF2439-10
Date Collected: 06/14/11 12:20
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		2.00	11F5586_P	06/14/11 12:20	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 07:27	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-17 (3-4)

Lab Sample ID: NUF2439-11
Date Collected: 06/14/11 12:32
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.65	11F5586_P	06/14/11 12:32	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 07:54	EML	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: BD061411

Lab Sample ID: NUF2439-12
Date Collected: 06/14/11 00:01
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.58	11F5586_P	06/14/11 00:01	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 08:22	EML	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-17 (6-7)

Lab Sample ID: NUF2439-13
Date Collected: 06/14/11 12:40
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.73	11F5586_P	06/14/11 12:40	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 08:49	EML	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-16 (4-5)

Lab Sample ID: NUF2439-14
Date Collected: 06/14/11 13:33
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.89	11F5586_P	06/14/11 13:33	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 09:17	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-16 (6-7)

Lab Sample ID: NUF2439-15
Date Collected: 06/14/11 13:40
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.53	11F5586_P	06/14/11 13:40	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 09:45	EML	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-15 (5-6)

Lab Sample ID: NUF2439-16
Date Collected: 06/14/11 14:26
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.67	11F5586_P	06/14/11 14:26	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 10:12	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-15 (11-12)

Lab Sample ID: NUF2439-17
Date Collected: 06/14/11 14:44
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.47	11F5586_P	06/14/11 14:44	AAN	TAL NSH

Client Sample ID: HP-15 (11-12)

Lab Sample ID: NUF2439-17
Date Collected: 06/14/11 14:44
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 10:40	EML	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-15 (14-15)

Lab Sample ID: NUF2439-18
Date Collected: 06/14/11 14:50
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.63	11F5586_P	06/14/11 14:50	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 11:07	EML	TAL NSH
Total	Prep	NO PREP		1.00	11F4425_P	06/17/11 09:04	SHJ	TAL NSH
Total	Analysis	SW846 9060M		1.00	11F4425	06/20/11 14:09	SHJ	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-14 (3-4)

Lab Sample ID: NUF2439-19
Date Collected: 06/14/11 15:02
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.80	11F5586_P	06/14/11 15:02	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 11:35	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Client Sample ID: HP-14 (6-7)

Lab Sample ID: NUF2439-20
Date Collected: 06/14/11 15:13
Matrix: Soil
Date Received: 06/15/11 08:35
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.90	11F5586_P	06/14/11 15:13	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011035	06/19/11 12:02	EML	TAL NSH
Total	Analysis	subcontract		1.00	11F6416	06/24/11 18:52	SDB	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6416_P	06/24/11 18:52	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5068_P	06/21/11 09:17	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5068	06/21/11 13:17	RRS	TAL NSH

Lab Chronicle

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2439

Client Sample ID: Trip Blank

Lab Sample ID: NUF2439-21

Date Collected: 06/14/11 00:01

Matrix: Soil

Date Received: 06/15/11 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.00	11F5534_P	06/14/11 00:01	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 16:43	EML	TAL NSH

Laboratory References:
TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2439

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 9060M	General Chemistry Parameters		TAL NSH
subcontract	Subcontracted Analysis		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2439

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	Nevada	State Program	9	TN00032
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

BEAVER ENGINEERING, INC.

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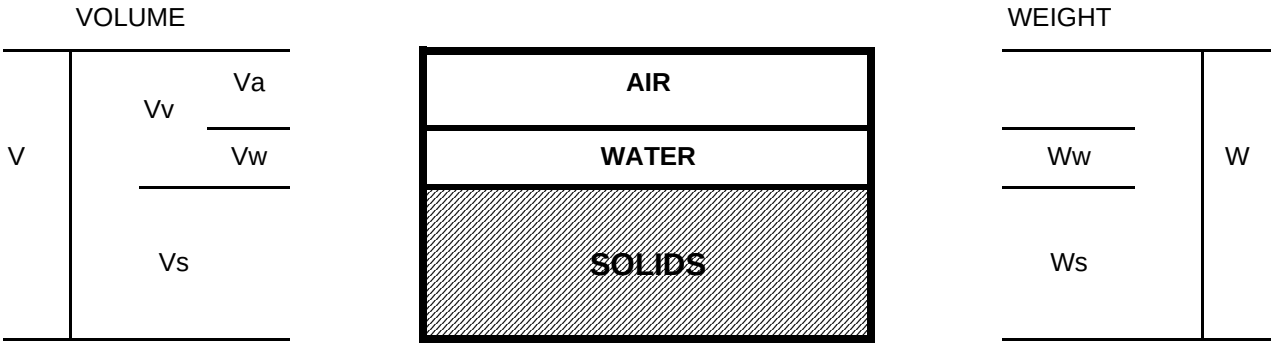
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



Va = VOLUMETRIC AIR, Volume of Air
Vw =VOLUMETRIC WATER , Volume of Water
Vs = Volume of Solids
Vv = Volume of voids

W = TOTAL SAMPLE WEIGHT
Ww = Weight of Water
Ws = Weight of Soilds

POROSITY = Ratio of volume of voids to the total volume (V) of a given mass, Vv / V

SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA**		
	NUF 2439		
LOCATION OF SAMPLE	**NUF 2439-02**	**LAB ID**	**J 3748**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**LIGHT OLIVE BROWN**		
SOIL WET DENSITY		**132.8**	pcf.
		2.11	g soil/cm3 soil
SOIL BULK DRY DENSITY		**119.3**	pcf.
		1.89	g soil/cm3 soil

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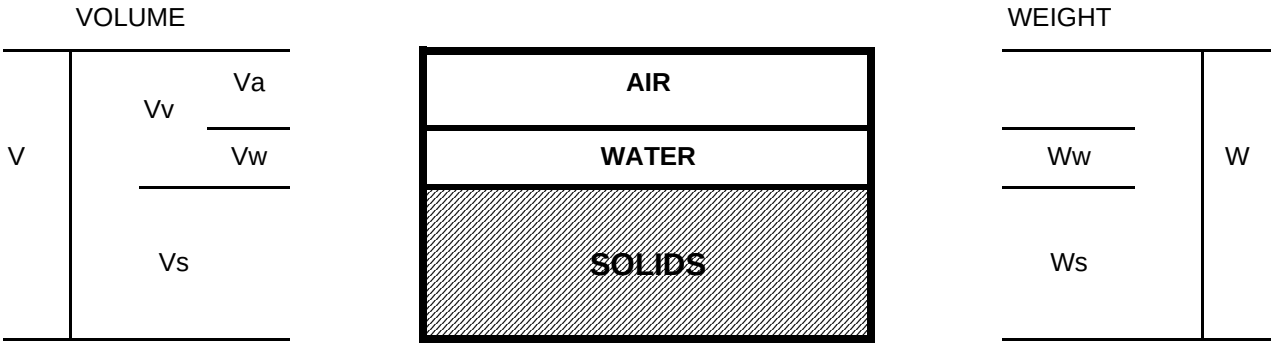
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



Va = VOLUMETRIC AIR, Volume of Air
Vw =VOLUMETRIC WATER , Volume of Water
Vs = Volume of Solids
Vv = Volume of voids

W = TOTAL SAMPLE WEIGHT
Ww = Weight of Water
Ws = Weight of Soilds

POROSITY = Ratio of volume of voids to the total volume (V) of a given mass, Vv / V

SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA**		
	NUF 2439		
LOCATION OF SAMPLE	**NUF 2439-17**	**LAB ID**	**J 3757**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SANDY SILT WITH GRAVEL**		
DESCRIPTION	**LIGHT OLIVE BROWN**		
SOIL WET DENSITY		**129.2**	pcf.
		2.05	g soil/cm3 soil
SOIL BULK DRY DENSITY		**113.1**	pcf.
		1.80	g soil/cm3 soil

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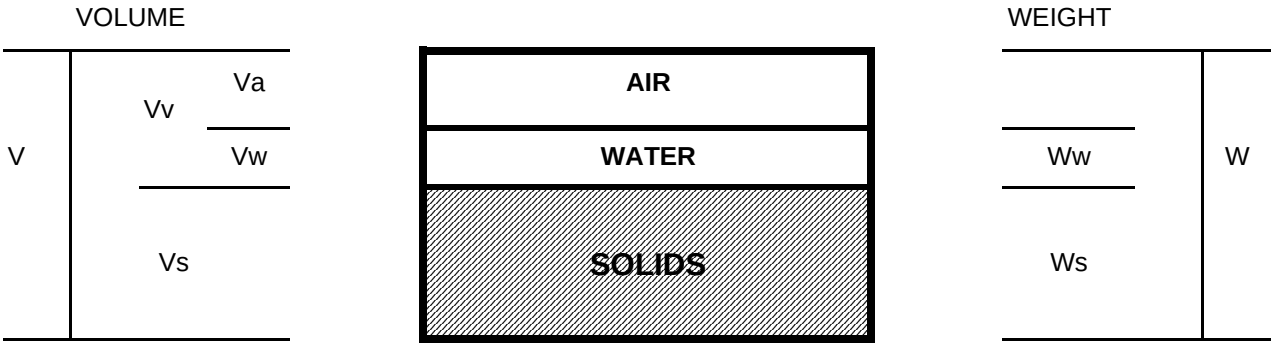
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



Va = VOLUMETRIC AIR, Volume of Air
Vw =VOLUMETRIC WATER , Volume of Water
Vs = Volume of Solids
Vv = Volume of voids

W = TOTAL SAMPLE WEIGHT
Ww = Weight of Water
Ws = Weight of Soilds

POROSITY = Ratio of volume of voids to the total volume (V) of a given mass, Vv / V

SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA**		
	NUF 2439		
LOCATION OF SAMPLE	**NUF 2439-18**	**LAB ID**	**J 3758**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SANDY SILT WITH GRAVEL**		
DESCRIPTION	**LIGHT OLIVE BROWN**		
SOIL WET DENSITY		**134.0**	pcf.
		2.13	g soil/cm3 soil
SOIL BULK DRY DENSITY		**120.6**	pcf.
		1.91	g soil/cm3 soil

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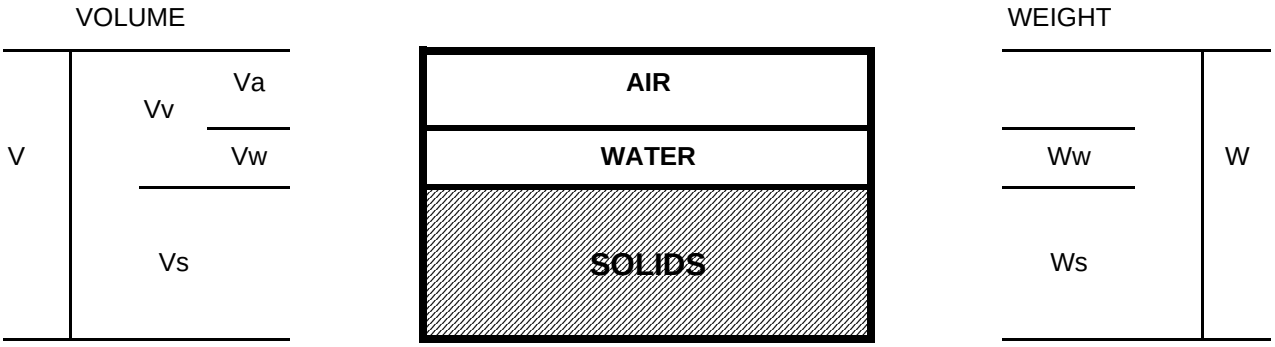
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



Va = VOLUMETRIC AIR, Volume of Air
Vw =VOLUMETRIC WATER , Volume of Water
Vs = Volume of Solids
Vv = Volume of voids

W = TOTAL SAMPLE WEIGHT
Ww = Weight of Water
Ws = Weight of Soilds

POROSITY = Ratio of volume of voids to the total volume (V) of a given mass, Vv / V

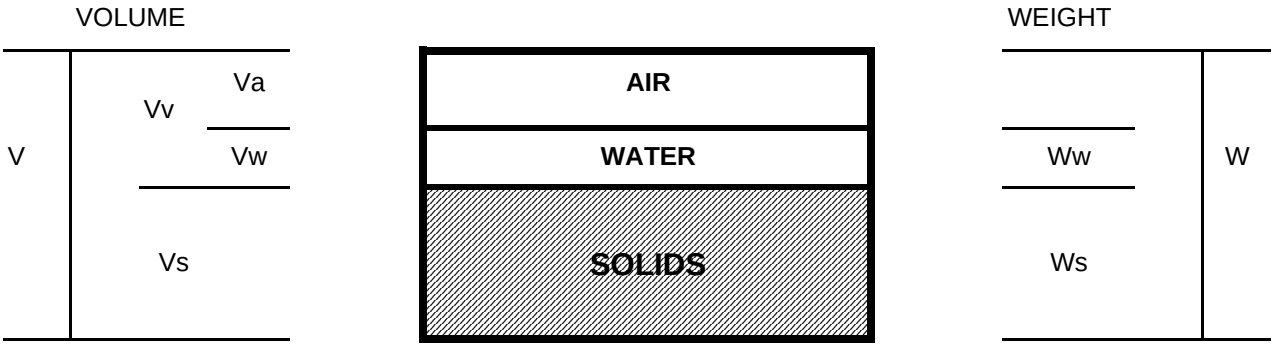
SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA NUF 2439**		
LOCATION OF SAMPLE	**NUF 2439-20**	**LAB ID**	**J 3759**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**GRAVEL AND SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**97.6**	pcf.
		1.55	g soil/cm3 soil
SOIL BULK DRY DENSITY		**91.2**	pcf.
		1.45	g soil/cm3 soil

BEAVER ENGINEERING, INC.

7378 COCKRILL BEND BLVD
NASHVILLE, TN 37209
615-350-8124
e-mail: DATA@BEAVERENGINEERING.COM

DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



Va = VOLUMETRIC AIR, Volume of Air
Vw =VOLUMETRIC WATER , Volume of Water
Vs = Volume of Solids
Vv = Volume of voids

W = TOTAL SAMPLE WEIGHT
Ww = Weight of Water
Ws = Weight of Soilds

POROSITY = Ratio of volume of voids to the total volume (V) of a given mass, Vv / V

SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA**		
	NUF 2439		
LOCATION OF SAMPLE	**NUF 2439-04**	**LAB ID**	**J 3749**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND WITH GRAVEL**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**127.7**	pcf.
		2.03	g soil/cm3 soil
SOIL BULK DRY DENSITY		**116.5**	pcf.
		1.85	g soil/cm3 soil

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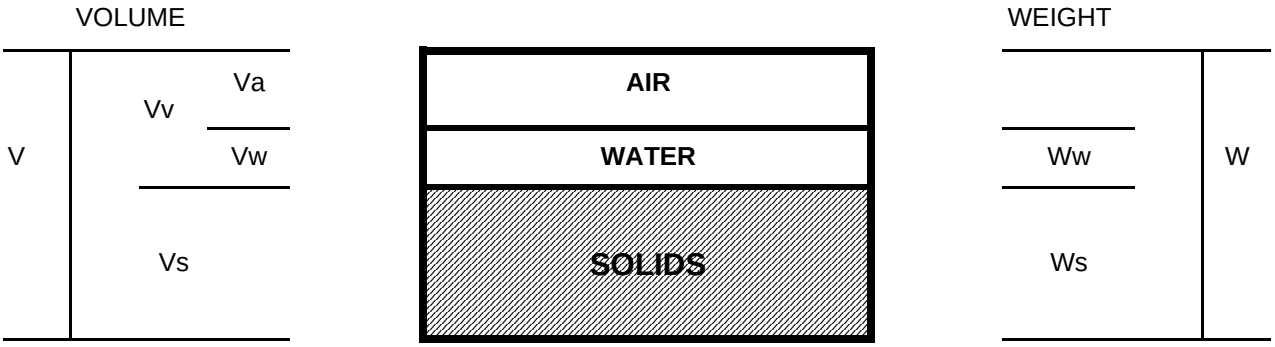
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA**		
	NUF 2439		
LOCATION OF SAMPLE	**NUF 2439-06**	**LAB ID**	**J 3750**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND WITH GRAVEL**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**127.9**	pcf.
		2.03	g soil/cm3 soil
SOIL BULK DRY DENSITY		**115.0**	pcf.
		1.83	g soil/cm3 soil

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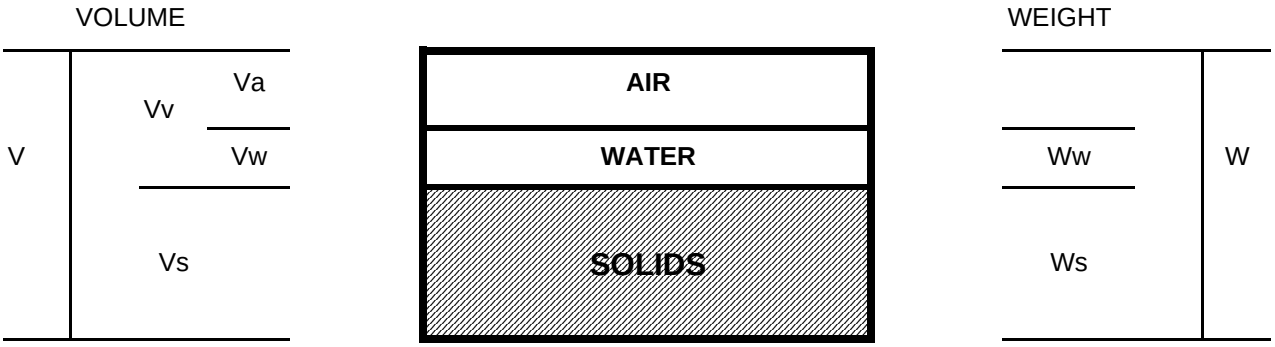
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



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POROSITY = Ratio of volume of voids to the total volume (V) of a given mass, Vv / V

SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA NUF 2439**		
LOCATION OF SAMPLE	**NUF 2439-08**	**LAB ID**	**J 3751**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SAND WITH GRAVEL**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**137.8**	pcf.
		2.19	g soil/cm3 soil
SOIL BULK DRY DENSITY		**125.0**	pcf.
		1.98	g soil/cm3 soil

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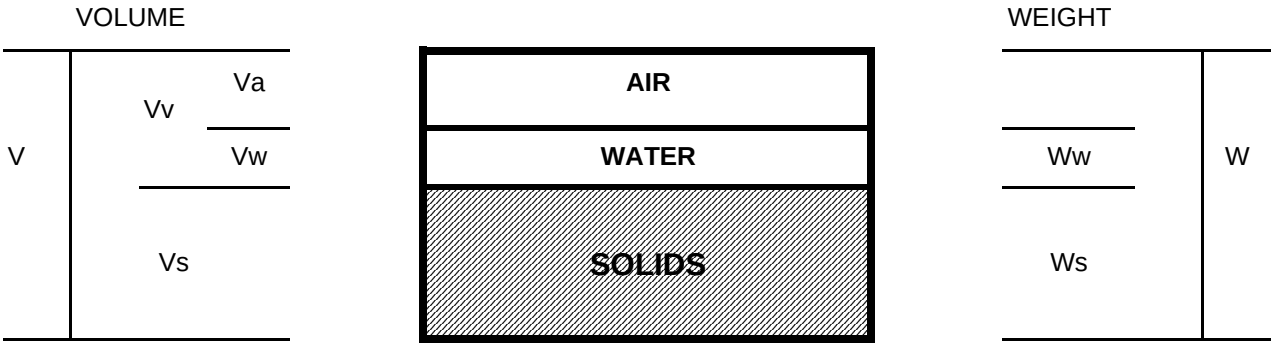
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



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Vv = Volume of voids

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Ws = Weight of Soilds

POROSITY = Ratio of volume of voids to the total volume (V) of a given mass, Vv / V

SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA**		
	NUF 2439		
LOCATION OF SAMPLE	**NUF 2439-09**	**LAB ID**	**J 3752**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SAND WITH SILT, GRAVEL, MICA**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**134.7**	pcf.
		2.14	g soil/cm3 soil
SOIL BULK DRY DENSITY		**123.0**	pcf.
		1.95	g soil/cm3 soil

BEAVER ENGINEERING, INC.

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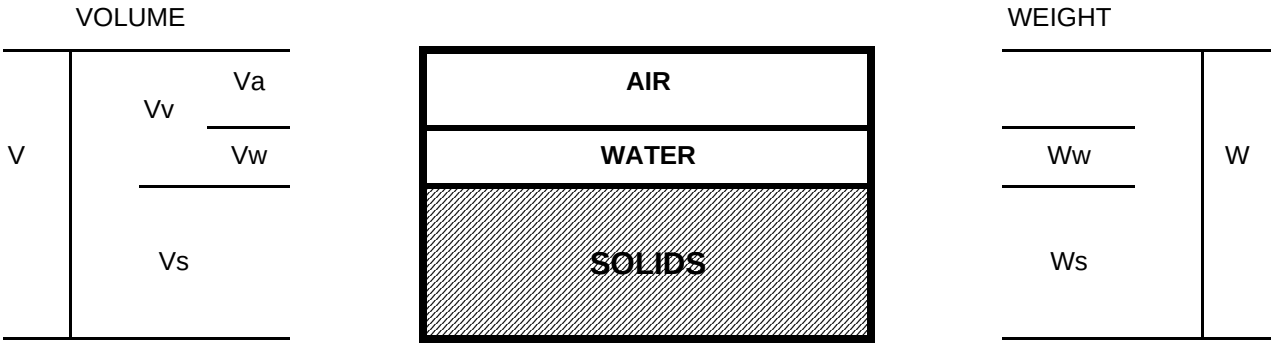
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



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Ww = Weight of Water
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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA**		
	NUF 2439		
LOCATION OF SAMPLE	**NUF 2439-11**	**LAB ID**	**J 3753**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SAND WITH SILT, MICA, WEATHERED ROCK**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**135.9**	pcf.
		2.16	g soil/cm3 soil
SOIL BULK DRY DENSITY		**122.5**	pcf.
		1.95	g soil/cm3 soil

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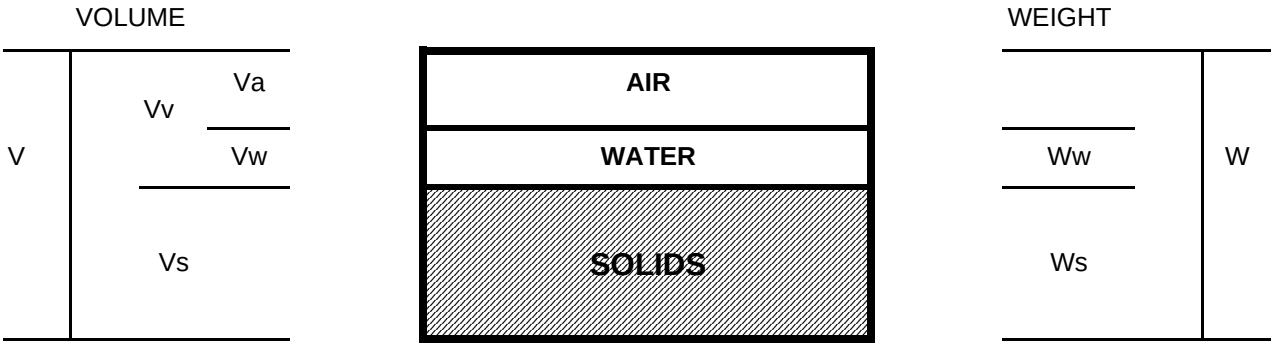

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA NUF 2439**		
LOCATION OF SAMPLE	**NUF 2439-12**	**LAB ID**	**J 3754**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SANDY SILT**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**135.3**	pcf.
		2.15	g soil/cm3 soil
SOIL BULK DRY DENSITY		**123.0**	pcf.
		1.95	g soil/cm3 soil

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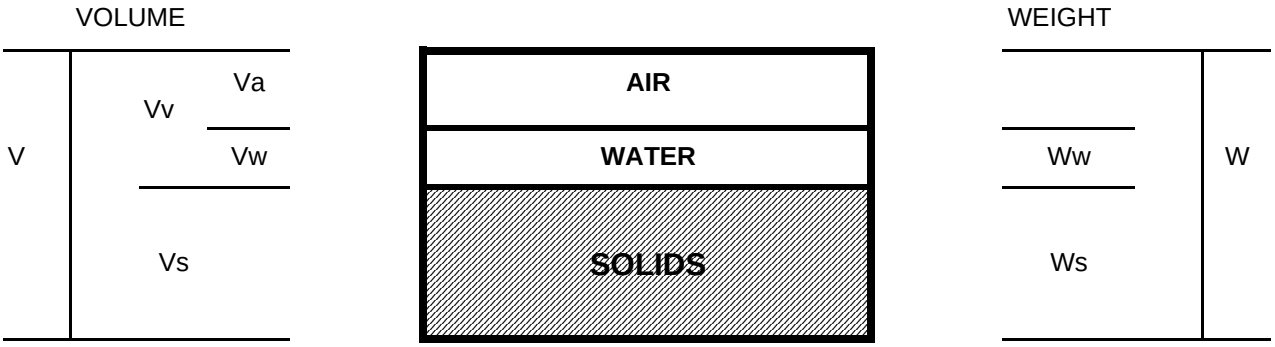
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



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Ww = Weight of Water
Ws = Weight of Soilds

POROSITY = Ratio of volume of voids to the total volume (V) of a given mass, Vv / V

SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA NUF 2439**		
LOCATION OF SAMPLE	**NUF 2439-13**	**LAB ID**	**J 3755**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SANDY SILT**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**132.0**	pcf.
		2.10	g soil/cm3 soil
SOIL BULK DRY DENSITY		**121.4**	pcf.
		1.93	g soil/cm3 soil

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NASHVILLE, TN 37209
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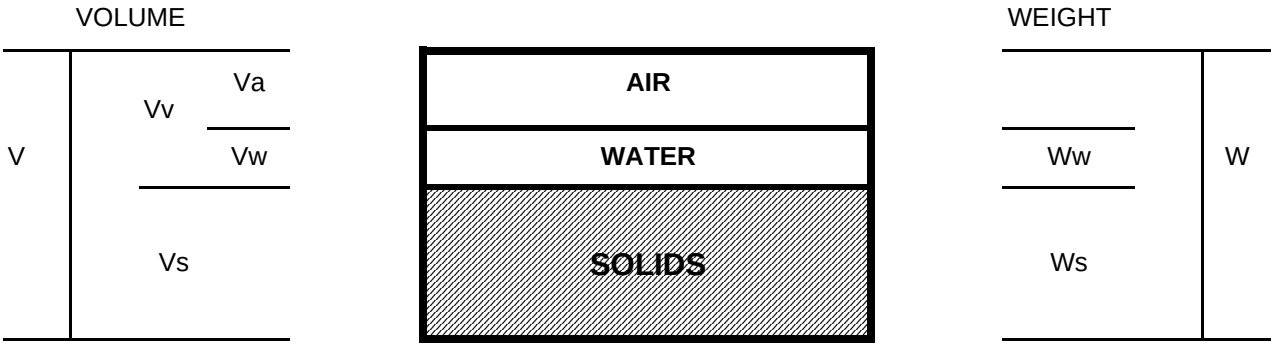
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 24, 2011**		
PROJECT NUMBER	**11-6282**		
PROJECT	**TEST AMERICA**		
	NUF 2439		
LOCATION OF SAMPLE	**NUF 2439-15**	**LAB ID**	**J 3756**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SANDY SILT WITH GRAVEL**		
DESCRIPTION	**LIGHT OLIVE BROWN**		
SOIL WET DENSITY		**129.8**	pcf.
		2.06	g soil/cm3 soil
SOIL BULK DRY DENSITY		**115.8**	pcf.
		1.84	g soil/cm3 soil

Brown, Shali

From: Martz, Ian [Ian.Martz@arcadis-us.com]
Sent: Friday, June 17, 2011 7:42 AM
To: Brown, Shali
Cc: Castelluccio, Chuck
Subject: RE: Tibbetts Road - Bulk Density

Hi Shali-

Yes, please run samples -08 and -09 for bulk density. Missed a couple x's, my mistake!

-Ian

From: Castelluccio, Chuck
Sent: Friday, June 17, 2011 6:55 AM
To: Martz, Ian
Subject: FW: Tibbetts Road - Bulk Density
Importance: High

Can you answer this.

Charles Castelluccio LSP/LEP| Principal Scientist | chuck.castelluccio@arcadis-us.com

ARCADIS U.S., Inc. | Two Executive Drive, Suite 303 | Chelmsford, MA 01824
T: 978.937.9999 ext. 316 | M: 978.505.1123
www.arcadis-us.com

ARCADIS, Imagine the result

Please consider the environment before printing this email.

From: Brown, Shali [mailto:Shali.Brown@testamericainc.com]
Sent: Thursday, June 16, 2011 5:16 PM
To: Castelluccio, Chuck
Subject: Tibbetts Road - Bulk Density
Importance: High

Is Bulk Density needed on samples -08 and -09? I'm asking because all the other samples with dry weight marked also has Bulk Density.

Thanks,
Shali

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

SHALI BROWN
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive
Nashville, TN 37204
Tel 615.301.5031 Fax 615.345.0973
1-800-765-0890 x1212
www.testamericainc.com

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Brown, Shali

From: Brown, Shali
Sent: Thursday, June 16, 2011 3:09 PM
To: 'Phillips, John (J.H.)'
Subject: RE: Tibbetts Road Site (E101274) - Bulk Density Testing

Opps, I meant to tell you in the meeting. Chuck Castelluccio said we would receive more sample for Bulk Density tomorrow (10 or so) but after that he didn't expect to have future collections for Bulk Density at this site.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

SHALI BROWN
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive
Nashville, TN 37204
Tel 615.301.5031 Fax 615.345.0973
1-800-765-0890 x1212
www.testamericainc.com

From: Phillips, John (J.H.) [mailto:jphill12@ford.com]
Sent: Thursday, June 16, 2011 11:44 AM
To: Brown, Shali
Subject: RE: Tibbetts Road Site (E101274) - Bulk Density Testing

You can use your subcontractor lab since you already have the samples. If this is going to be on-going we may want to discuss. We can talk in an hour or so.

John H. Phillips
Ford Motor Company
Environmental Quality Office
FPN 8th Floor
290 Town Center Drive
Dearborn, MI 48126
(313) 845-1648

Share the Ford story at www.TheFordStory.com

From: Brown, Shali [mailto:Shali.Brown@testamericainc.com]
Sent: Thursday, June 16, 2011 12:22 PM
To: Phillips, John (J.H.)
Cc: Carr, Gail

Subject: Tibbetts Road Site (E101274) - Bulk Density Testing

Good Morning,

We received samples for Bulk Density Testing for the Tibbetts Road Site in NH. We do not have a TA lab that can perform this testing. We do have a local outside lab we use called Beaver Engineering that we normally use for Geo tests. Please let me know if you approve of using this lab for the Bulk Density and if not is there a lab you would prefer the testing to be subcontracted to?

Thank You for your help.
Shali

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

SHALI BROWN
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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www.testamericainc.com

Subcontract Order - TestAmerica Nashville (NUF2439)

Revised 060711

SENDING LABORATORY:

TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Phone: 800-765-0980
Fax: 615-726-3404
Project Manager: Shali Brown

RECEIVING LABORATORY:

Beaver Engineering, Inc.. (4151)
7378 Cockrill Bend Blvd.
Nashville, TN 37209
Phone :(615) 350-8124
Fax: (615) 350-8149
Project Location: New Hampshire
Receipt Temperature: _____ °C Ice: Y / N

Standard TAT is requested unless specific due date is requested. => Due Date: 6-23-11 **Initials:** _____

Analysis	Units	Expires	Comments
Sample ID: NUF2439-02 (HP-21 (7-8) - Soil)		Sampled: **06/14/11 09:19**	
Subcontract - Bulk Density	%	03/09/14 08:19	DUE 06-23-11
Containers Supplied:			
Sample ID: NUF2439-04 (HP-21 (7-8) - Soil)		Sampled: **06/14/11 10:25**	
Subcontract - Bulk Density	%	03/09/14 09:25	DUE 06-23-11
Containers Supplied:			
Sample ID: NUF2439-06 (HP-19 (10-11) - Soil)		Sampled: **06/14/11 11:10**	
Subcontract - Bulk Density	%	03/09/14 10:10	DUE 06-23-11
Containers Supplied:			
Sample ID: NUF2439-08 (HP-18 (6-7) - Soil)		Sampled: **06/14/11 11:30**	
Subcontract - Bulk Density	%	03/09/14 10:30	DUE 06-23-11
Containers Supplied:			
Sample ID: NUF2439-09 (HP-18 (9-10) - Soil)		Sampled: **06/14/11 11:40**	
Subcontract - Bulk Density	%	03/09/14 10:40	DUE 06-23-11
Containers Supplied:			
Sample ID: NUF2439-11 (HP-17 (3-4) - Soil)		Sampled: **06/14/11 12:32**	
Subcontract - Bulk Density	%	03/09/14 11:32	DUE 06-23-11
Containers Supplied:			

Released By	Date/Time	Received By	Date/Time
Released By	Date/Time	Received By	Date/Time

Subcontract Order - TestAmerica Nashville (NUF2439)

Analysis	Units	Expires	Comments
Sample ID: NUF2439-12 (BD061411 - Soil)		Sampled: 06/14/11 00:01	
Subcontract - Bulk Density	%	03/08/14 23:01	DUE 06-23-11
Containers Supplied:			
Sample ID: NUF2439-13 (HP-17 (6-7) - Soil)		Sampled: 06/14/11 12:40	
Subcontract - Bulk Density	%	03/09/14 11:40	DUE 06-23-11
Containers Supplied:			
Sample ID: NUF2439-15 (HP-16 (6-7) - Soil)		Sampled: 06/14/11 13:40	
Subcontract - Bulk Density	%	03/09/14 12:40	DUE 06-23-11
Containers Supplied:			
Sample ID: NUF2439-17 (HP-15 (11-12) - Soil)		Sampled: 06/14/11 14:44	
Subcontract - Bulk Density	%	03/09/14 13:44	DUE 06-23-11
Containers Supplied:			
Sample ID: NUF2439-18 (HP-15 (14-15) - Soil)		Sampled: 06/14/11 14:50	
Subcontract - Bulk Density	%	03/09/14 13:50	DUE 06-23-11
Containers Supplied:			
Sample ID: NUF2439-20 (HP-14 (6-7) - Soil)		Sampled: 06/14/11 15:13	
Subcontract - Bulk Density	%	03/09/14 14:13	DUE 06-23-11
Containers Supplied:			

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER REC

Cooler Received/Opened On 6/15/2011 @ 08:35 NUF2439

1. Tracking # 7850 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 6.5 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) [illegible]

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA -Soils

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) P.H.

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) P.H.

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) P.H.

I certify that I attached a label with the unique LIMS number to each container (intial) P.H.

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

BIS = Broken in shipment

Cooler Receipt Form.doc

LF-1

End of Form

Revised 6/24/09

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOL

NUF2439

06/24/11 23:59

Cooler Received/Opened On 6/15/2011 @ 0835

1. Tracking # 7805 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 1.6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO..NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 (Front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial)

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA - SOILS

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (intial) P.H.

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) P.H.

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) P.H.

I certify that I attached a label with the unique LIMS number to each container (intial) P.H.

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

P.H.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404
',"Reg District (CA)")

NUF2439
06/24/11 23:59

06/24/2011

Client: Arcadis (Chelmsford) / FORD
Address: 2 Executive Drive, Suite 303
City, State, Zip: Chelmsford MA 01824
Client Invoice Contact: Accounts Payable
Client Project Mgr: Debra Stake
Client Telephone#: (978) 937-9999 Fax: (978) 937-7555
Sampler Name (Print) Ian Martz / Ken Scully
SamplerSignature:

TA Account #: 1425266 PO #: MA000725.0005.00107
Invoice to: Arcadis (Chelmsford) / FORD
Report to: Julie Santaniello
Project Name: Tibbetts Road Site
Facility ID: E101274
Reg District (CA):
Site Address: 23 Tibbetts Rd
City,State,Zip: Barrington, NH New Hampshire

P.H.

	Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B NH Full list	Solids Percent Dry Weight	Subcontract - Bulk Density	TOC Solid	RUSH TAT (Pre Schedule)*
1	HP-21 (4-5)	6/14/11	0913	3	X			X							X					X		X				
2	HP-21 (7-8)	6/14/11	0914	4	X			X							X					X		X	X	X		
3	HP-20 (4-5)	6/14/11	1010	3	X			X							X					X		X				
4	HP-20 (7-8)	6/14/11	1025	4	X			X							X					X		X	X	X		
5	HP-19 (4-5)	6/14/11	1055	3	X			X							X					X		X				
6	HP-19 (10-11)	6/14/11	1110	5	X			X							X					X		X	X	X	X	
7	HP-18 (4-5)	6/14/11	1120	3	X			X							X					X		X				
8	HP-18 (6-7)	6/14/11	1130	4	X			X							X					X		X	X			
9	HP-18 (9-10)	6/14/11	1140	4	X			X							X					X		X	X			
10	HP-17 (2-3)	6/14/11	1220	3	X			X							X					X		X				

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments;additional charges may be assessed.
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: *BO # 23977*

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
	6/14/11	1630						

Shipped Via: FedEx
Received for TestAmerica by: Paul R. [illegible] Date: 6/15/11 Time: 08:35
Shipped Via:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific
(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)
Date Due of Report:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404
',"Reg District (CA)")

NUF2439
06/24/11 23:59

06/24/2011

Client: Arcadis (Chelmsford) / FORD
Address: 2 Executive Drive, Suite 303
City, State, Zip: Chelmsford MA 01824
Client Invoice Contact: Accounts Payable
Client Project Mgr: Debra Stake
Client Telephone#: (978) 937-9999 Fax: (978) 937-7555
Sampler Name (Print) Ian Martz / Ken Scully
SamplerSignature:

TA Account #: 1425266 PO #: MA000725.0005.00107
Invoice to: Arcadis (Chelmsford) / FORD
Report to: Julie Santaniello
Project Name: Tibbetts Road Site
Facility ID: E101274
Reg District (CA):
Site Address: 23 Tibbetts Rd
City,State,Zip: Barrington, NH New Hampshire

	Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B NH Full list	Solids Percent Dry Weight	Subcontract - Bulk Density	TOC Solid	RUSH TAT (Pre Schedule)*
11	HP17 (~~11~~ 34)	6/14/11	1232	4	X			X							X					X		X	X	X		
12	BD061411	6/14/11	—	4	X			X							X					X		X	X	X		
13	HP17 (6-7)	6/14/11	1240	4	X			X							X					X		X	X	X		
14	HP-16 (4-5)	6/14/11	1333	3	X			X							X					X		X				
15	HP-16 (6-7)	6/14/11	1340	4	X			X							X					X		X	X	X		
16	HP-15 (5-6)	6/14/11	1426	3	X			X							X					X		X				
17	HP-15 (11-12)	6/14/11	1444	4	X			X							X					X		X	X	X		
18	HP-15 (14-15)	6/14/11	1450	5	X			X							X					X		X	X	X	X	
19	HP-14 (3-4)	6/14/11	1502	3	X			X							X					X		X				
20	HP-14 (6-7)	6/14/11	1513	4	X			X							X					X		X	X	X		

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments;additional charges may be assessed.
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: *BO # 23977*

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
	6/14/11	1630						

Shipped Via:			Shipped Via:		QC Deliverables (Please Circle One) :	Date Due of Report:
Received for TestAmerica by: Paul R. Hall	Date: 6/15/11	Time: 08:35	Temperature Upon Receipt:	Sample Containers Intact? Y N VOCs Free of Headspace? Y N	Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404
',"Reg District (CA)")

NUF2439
06/24/11 23:59

06/24/2011

Client: Arcadis (Chelmsford) / FORD
Address: 2 Executive Drive, Suite 303
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Client Project Mgr: Debra Stake
Client Telephone#: (978) 937-9999 Fax: (978) 937-7555
Sampler Name (Print) Ian Martz / Ken Scully
SamplerSignature:

TA Account #: 1425266 PO #: MA000725.0005.00107
Invoice to: Arcadis (Chelmsford) / FORD
Report to: Julie Santaniello
Project Name: Tibbetts Road Site
Facility ID: E101274
Reg District (CA):
Site Address: 23 Tibbetts Rd
City,State,Zip: Barrington, NH New Hampshire

	Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B NH Full list	Solids Percent Dry Weight	Subcontract - Bulk Density	TOC Solid	RUSH TAT (Pre Schedule)*
21	Trip Blank	—	—	1	—	—	—	X													X	X				

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments;additional charges may be assessed.
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: *BO # 23977*

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
[signature]	6/14/11	10:30						

Shipped Via: FedEx
Shipped Via:

Received for TestAmerica by: [signature] Date: 6/15/11 Time: 08:35
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (Please Circle One) :
Level 2 Level 3 Level 4 Site Specific
(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)

Date Due of Report:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECE

NUF2463

Cooler Received/Opened On 6/16/2011 @ 0845

1. Tracking # 6374 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 0.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: 2 (Front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

BIS = Broken in shipment

Cooler Receipt Form.doc

LF-1

End of Form

Revised 6/24/09

Nashville
2960 Foster Creighton Drive

Nashville, TN 37204
phone 615.301.5737 fax 615.726.3403

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Nick Altamirano	Site Contact:	Date:	COC No:
Complete Analytical Services, LLC	Tel/Fax: (520) 884-5811	Lab Contact:	Carrier:	_____ of _____ COCs
4455 S. Park Avenue Suite 110	Analysis Turnaround Time			Job No.
Tucson, Arizona 85714	Calendar (C) or Work Days (W)			
(520) 884-5811	TAT if different from Below			
(520) 884-5133	☐ 2 weeks RUSH			SDG No.
Project Name: Water Tec of Tucson	☐ 1 week 24hr.			
Site: 11635 E. Spanish Ridge Place	☐ 2 days			
ID # 1106-054	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Arsenic 200.7	Sample Specific Notes:
At Pressure tank	6/14/2011	14:00	Grab	GW	1		X	

NUF2463
06/20/11 23:59

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: NON-COMPLIANCE

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
N. N. Norma Navidad or Nick Altamirano	CAS, LLC Tucson, AZ AZ0744	6/15/11 1830			6-16-11 / 0845
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NUF2655
Client Project/Site: E101274
Client Project Description: Tibbetts Road Site

For:
Arcadis (Chelmsford) / FORD
2 Executive Drive, Suite 303
Chelmsford, MA 01824

Attn: Julie Santaniello

Authorized for release by:
06/27/2011 04:52:30 PM

Shali Brown
Project Manager
shali.brown@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Sample Summary

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUF2655-01	HP-13 (3-4)	Soil	06/15/11 08:19	06/16/11 08:45
NUF2655-02	HP-13 (5-6)	Soil	06/15/11 08:45	06/16/11 08:45
NUF2655-03	BD-06-15-11-A	Soil	06/15/11 00:01	06/16/11 08:45
NUF2655-04	HP-12 (4-5)	Soil	06/15/11 09:08	06/16/11 08:45
NUF2655-05	HP-12 (10-11)	Soil	06/15/11 09:22	06/16/11 08:45
NUF2655-06	HP-11 (4-5)	Soil	06/15/11 09:36	06/16/11 08:45
NUF2655-07	HP-11 (6-7)	Soil	06/15/11 09:50	06/16/11 08:45
NUF2655-08	HP-11 (12-13)	Soil	06/15/11 09:55	06/16/11 08:45
NUF2655-09	HP-10 (4-5)	Soil	06/15/11 10:10	06/16/11 08:45
NUF2655-10	HP-10 (10-12)	Soil	06/15/11 10:30	06/16/11 08:45
NUF2655-11	HP-09 (1-2)	Soil	06/15/11 10:55	06/16/11 08:45
NUF2655-12	HP-09 (3-4)	Soil	06/15/11 11:00	06/16/11 08:45
NUF2655-13	HP-09 (8-9)	Soil	06/15/11 11:05	06/16/11 08:45
NUF2655-14	Trip Blank	Soil	06/15/11 00:01	06/16/11 08:45

Job ID: NUF2655

Laboratory: TestAmerica Nashville

Narrative

Samples requiring bulk density analysis were subcontracted to Beaver Engineering Inc. Beaver is a non-FORD lab and their use for this project was approved by John Phillips.

NELAC Certification

NELAC certifications are not held for the following analytes included in this report:

Method	Matrix	Analyte
SW-846	Soil	% Dry Solids

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
B	Analyte was detected in the associated Method Blank.
CF7	Result may be elevated due to carry over from previously analyzed sample.
E	Concentration exceeds the calibration range and therefore result is semi-quantitative.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).

WetChem

Qualifier	Qualifier Description
B	Analyte was detected in the associated Method Blank.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

Client Sample ID: HP-13 (3-4)

Date Collected: 06/15/11 08:19
Date Received: 06/16/11 08:45

Lab Sample ID: NUF2655-01

Matrix: Soil
Percent Solids: 78.6

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.83	2.91	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Benzene	ND		0.117	0.0315	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Bromodichloromethane	ND		0.117	0.0431	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Bromoform	ND		0.117	0.0256	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Bromomethane	ND		0.117	0.0548	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
2-Butanone	ND		1.17	0.198	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Carbon disulfide	ND		0.117	0.0338	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Carbon Tetrachloride	ND		0.117	0.0315	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Chlorobenzene	ND		0.117	0.0443	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Chlorodibromomethane	ND		0.117	0.0350	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Chloroethane	ND		0.117	0.0478	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Chloroform	ND		0.117	0.0548	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Chloromethane	ND		0.117	0.0210	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Dibromomethane	ND		0.117	0.0501	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
1,2-Dichloroethane	ND		0.117	0.0443	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
1,1-Dichloroethane	ND		0.117	0.0373	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
1,1-Dichloroethene	ND		0.117	0.0420	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
trans-1,2-Dichloroethene	ND		0.117	0.0420	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
cis-1,2-Dichloroethene	ND		0.117	0.0443	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
1,2-Dichloropropane	ND		0.117	0.0385	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
trans-1,3-Dichloropropene	ND		0.117	0.0186	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
1,1-Dichloropropene	ND		0.117	0.0350	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
cis-1,3-Dichloropropene	ND		0.117	0.0221	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Ethylbenzene	ND		0.117	0.0373	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
2-Hexanone	ND		5.83	0.256	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Methylene Chloride	ND		0.233	0.0175	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
4-Methyl-2-pentanone	ND		1.17	0.186	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Styrene	ND		0.117	0.0256	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
1,1,1,2-Tetrachloroethane	ND		0.117	0.0256	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Tetrachloroethene	ND		0.117	0.0256	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Toluene	ND		0.117	0.0385	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
1,1,1-Trichloroethane	ND		0.117	0.0408	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
1,1,2-Trichloroethane	ND		0.117	0.0443	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Trichloroethene	ND		0.117	0.0431	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Vinyl chloride	ND		0.117	0.0420	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0
Xylenes, total	ND		0.233	0.101	mg/kg dry	☼	06/15/11 08:19	06/18/11 17:11	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*115*		*67 - 138*	*06/15/11 08:19*	*06/18/11 17:11*	*50.0*
Dibromofluoromethane	*99*		*75 - 125*	*06/15/11 08:19*	*06/18/11 17:11*	*50.0*
Toluene-d8	*99*		*76 - 129*	*06/15/11 08:19*	*06/18/11 17:11*	*50.0*
4-Bromofluorobenzene	*110*		*67 - 147*	*06/15/11 08:19*	*06/18/11 17:11*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**78.6**		0.500	0.500	%		06/21/11 16:13	06/22/11 08:35	1.00

Client Sample ID: HP-13 (5-6)

Date Collected: 06/15/11 08:45
Date Received: 06/16/11 08:45

Lab Sample ID: NUF2655-02

Matrix: Soil
Percent Solids: 87.2

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.41	2.21	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Benzene	ND		0.0882	0.0238	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Bromodichloromethane	ND		0.0882	0.0326	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Bromoform	ND		0.0882	0.0194	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Bromomethane	ND		0.0882	0.0415	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
2-Butanone	ND		0.882	0.150	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Carbon disulfide	ND		0.0882	0.0256	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Carbon Tetrachloride	ND		0.0882	0.0238	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Chlorobenzene	ND		0.0882	0.0335	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Chlorodibromomethane	ND		0.0882	0.0265	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Chloroethane	ND		0.0882	0.0362	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Chloroform	ND		0.0882	0.0415	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Chloromethane	ND		0.0882	0.0159	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Dibromomethane	ND		0.0882	0.0379	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
1,2-Dichloroethane	ND		0.0882	0.0335	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
1,1-Dichloroethane	ND		0.0882	0.0282	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
1,1-Dichloroethene	ND		0.0882	0.0318	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
trans-1,2-Dichloroethene	ND		0.0882	0.0318	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
cis-1,2-Dichloroethene	ND		0.0882	0.0335	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
1,2-Dichloropropane	ND		0.0882	0.0291	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
trans-1,3-Dichloropropene	ND		0.0882	0.0141	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
1,1-Dichloropropene	ND		0.0882	0.0265	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
cis-1,3-Dichloropropene	ND		0.0882	0.0168	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Ethylbenzene	ND		0.0882	0.0282	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
2-Hexanone	ND		4.41	0.194	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Methylene Chloride	ND		0.176	0.0132	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
4-Methyl-2-pentanone	ND		0.882	0.141	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Styrene	ND		0.0882	0.0194	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
1,1,1,2-Tetrachloroethane	ND		0.0882	0.0194	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Tetrachloroethene	ND		0.0882	0.0194	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Toluene	ND		0.0882	0.0291	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
1,1,1-Trichloroethane	ND		0.0882	0.0309	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
1,1,2-Trichloroethane	ND		0.0882	0.0335	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Trichloroethene	ND		0.0882	0.0326	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Vinyl chloride	ND		0.0882	0.0318	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0
Xylenes, total	ND		0.176	0.0768	mg/kg dry	☼	06/15/11 08:45	06/18/11 17:39	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/15/11 08:45*	*06/18/11 17:39*	*50.0*
Dibromofluoromethane	*96*		*75 - 125*	*06/15/11 08:45*	*06/18/11 17:39*	*50.0*
Toluene-d8	*98*		*76 - 129*	*06/15/11 08:45*	*06/18/11 17:39*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/15/11 08:45*	*06/18/11 17:39*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**87.2**		0.500	0.500	%		06/21/11 16:13	06/22/11 08:35	1.00

Client Sample ID: BD-06-15-11-A

Lab Sample ID: NUF2655-03

Date Collected: 06/15/11 00:01
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 88.4

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.45	2.23	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Benzene	ND		0.0891	0.0240	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Bromodichloromethane	ND		0.0891	0.0330	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Bromoform	ND		0.0891	0.0196	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Bromomethane	ND		0.0891	0.0419	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
2-Butanone	ND		0.891	0.151	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Carbon disulfide	ND		0.0891	0.0258	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Carbon Tetrachloride	ND		0.0891	0.0240	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Chlorobenzene	ND		0.0891	0.0338	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Chlorodibromomethane	ND		0.0891	0.0267	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Chloroethane	ND		0.0891	0.0365	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Chloroform	ND		0.0891	0.0419	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Chloromethane	ND		0.0891	0.0160	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Dibromomethane	ND		0.0891	0.0383	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
1,2-Dichloroethane	ND		0.0891	0.0338	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
1,1-Dichloroethane	ND		0.0891	0.0285	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
1,1-Dichloroethene	ND		0.0891	0.0321	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
trans-1,2-Dichloroethene	ND		0.0891	0.0321	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
cis-1,2-Dichloroethene	ND		0.0891	0.0338	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
1,2-Dichloropropane	ND		0.0891	0.0294	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
trans-1,3-Dichloropropene	ND		0.0891	0.0143	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
1,1-Dichloropropene	ND		0.0891	0.0267	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
cis-1,3-Dichloropropene	ND		0.0891	0.0169	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Ethylbenzene	ND		0.0891	0.0285	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
2-Hexanone	ND		4.45	0.196	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Methylene Chloride	ND		0.178	0.0134	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
4-Methyl-2-pentanone	ND		0.891	0.143	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Styrene	ND		0.0891	0.0196	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
1,1,1,2-Tetrachloroethane	ND		0.0891	0.0196	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Tetrachloroethene	ND		0.0891	0.0196	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Toluene	ND		0.0891	0.0294	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
1,1,1-Trichloroethane	ND		0.0891	0.0312	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
1,1,2-Trichloroethane	ND		0.0891	0.0338	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Trichloroethene	ND		0.0891	0.0330	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Vinyl chloride	ND		0.0891	0.0321	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0
Xylenes, total	ND		0.178	0.0775	mg/kg dry	☼	06/15/11 00:01	06/18/11 18:07	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/15/11 00:01*	*06/18/11 18:07*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/15/11 00:01*	*06/18/11 18:07*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/15/11 00:01*	*06/18/11 18:07*	*50.0*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/15/11 00:01*	*06/18/11 18:07*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**88.4**		0.500	0.500	%		06/21/11 16:13	06/22/11 08:35	1.00

Client Sample ID: HP-12 (4-5)

Lab Sample ID: NUF2655-04

Date Collected: 06/15/11 09:08
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 89.6

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.77	2.39	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Benzene	ND		0.0954	0.0258	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Bromodichloromethane	ND		0.0954	0.0353	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Bromoform	ND		0.0954	0.0210	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Bromomethane	ND		0.0954	0.0448	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
2-Butanone	ND		0.954	0.162	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Carbon disulfide	ND		0.0954	0.0277	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Carbon Tetrachloride	ND		0.0954	0.0258	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Chlorobenzene	ND		0.0954	0.0363	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Chlorodibromomethane	ND		0.0954	0.0286	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Chloroethane	ND		0.0954	0.0391	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Chloroform	ND		0.0954	0.0448	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Chloromethane	ND		0.0954	0.0172	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Dibromomethane	ND		0.0954	0.0410	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
1,2-Dichloroethane	ND		0.0954	0.0363	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
1,1-Dichloroethane	ND		0.0954	0.0305	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
1,1-Dichloroethene	ND		0.0954	0.0343	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
trans-1,2-Dichloroethene	ND		0.0954	0.0343	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
cis-1,2-Dichloroethene	ND		0.0954	0.0363	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
1,2-Dichloropropane	ND		0.0954	0.0315	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
trans-1,3-Dichloropropene	ND		0.0954	0.0153	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
1,1-Dichloropropene	ND		0.0954	0.0286	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
cis-1,3-Dichloropropene	ND		0.0954	0.0181	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Ethylbenzene	ND		0.0954	0.0305	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
2-Hexanone	ND		4.77	0.210	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Methylene Chloride	ND		0.191	0.0143	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
4-Methyl-2-pentanone	ND		0.954	0.153	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Styrene	ND		0.0954	0.0210	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
1,1,1,2-Tetrachloroethane	ND		0.0954	0.0210	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Tetrachloroethene	ND		0.0954	0.0210	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Toluene	ND		0.0954	0.0315	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
1,1,1-Trichloroethane	ND		0.0954	0.0334	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
1,1,2-Trichloroethane	ND		0.0954	0.0363	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Trichloroethene	ND		0.0954	0.0353	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Vinyl chloride	ND		0.0954	0.0343	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0
Xylenes, total	ND		0.191	0.0830	mg/kg dry	☼	06/15/11 09:08	06/18/11 18:34	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*92*		*67 - 138*	*06/15/11 09:08*	*06/18/11 18:34*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/15/11 09:08*	*06/18/11 18:34*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/15/11 09:08*	*06/18/11 18:34*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/15/11 09:08*	*06/18/11 18:34*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**89.6**		0.500	0.500	%		06/23/11 13:03	06/23/11 15:38	1.00

Client Sample ID: HP-12 (10-11)

Date Collected: 06/15/11 09:22
Date Received: 06/16/11 08:45

Lab Sample ID: NUF2655-05

Matrix: Soil
Percent Solids: 88.8

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.36	2.18	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Benzene	ND		0.0873	0.0236	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Bromodichloromethane	ND		0.0873	0.0323	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Bromoform	ND		0.0873	0.0192	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Bromomethane	ND		0.0873	0.0410	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
2-Butanone	ND		0.873	0.148	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Carbon disulfide	ND		0.0873	0.0253	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Carbon Tetrachloride	ND		0.0873	0.0236	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Chlorobenzene	ND		0.0873	0.0332	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Chlorodibromomethane	ND		0.0873	0.0262	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Chloroethane	ND		0.0873	0.0358	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Chloroform	ND		0.0873	0.0410	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Chloromethane	ND		0.0873	0.0157	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Dibromomethane	ND		0.0873	0.0375	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
1,2-Dichloroethane	ND		0.0873	0.0332	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
1,1-Dichloroethane	ND		0.0873	0.0279	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
1,1-Dichloroethene	ND		0.0873	0.0314	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
trans-1,2-Dichloroethene	ND		0.0873	0.0314	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
cis-1,2-Dichloroethene	ND		0.0873	0.0332	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
1,2-Dichloropropane	ND		0.0873	0.0288	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
trans-1,3-Dichloropropene	ND		0.0873	0.0140	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
1,1-Dichloropropene	ND		0.0873	0.0262	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
cis-1,3-Dichloropropene	ND		0.0873	0.0166	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Ethylbenzene	ND		0.0873	0.0279	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
2-Hexanone	ND		4.36	0.192	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Methylene Chloride	ND		0.175	0.0131	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
4-Methyl-2-pentanone	ND		0.873	0.140	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Styrene	ND		0.0873	0.0192	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
1,1,1,2-Tetrachloroethane	ND		0.0873	0.0192	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Tetrachloroethene	ND		0.0873	0.0192	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Toluene	ND		0.0873	0.0288	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
1,1,1-Trichloroethane	ND		0.0873	0.0306	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
1,1,2-Trichloroethane	ND		0.0873	0.0332	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Trichloroethene	ND		0.0873	0.0323	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Vinyl chloride	ND		0.0873	0.0314	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0
Xylenes, total	ND		0.175	0.0759	mg/kg dry	☼	06/15/11 09:22	06/18/11 19:02	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/15/11 09:22*	*06/18/11 19:02*	*50.0*
Dibromofluoromethane	*96*		*75 - 125*	*06/15/11 09:22*	*06/18/11 19:02*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/15/11 09:22*	*06/18/11 19:02*	*50.0*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/15/11 09:22*	*06/18/11 19:02*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**88.8**		0.500	0.500	%		06/21/11 16:13	06/22/11 08:35	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

Client Sample ID: HP-11 (4-5)

Date Collected: 06/15/11 09:36
Date Received: 06/16/11 08:45

Lab Sample ID: NUF2655-06

Matrix: Soil
Percent Solids: 93

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		3.66	1.83	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Benzene	ND		0.0731	0.0197	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Bromodichloromethane	ND		0.0731	0.0271	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Bromoform	ND		0.0731	0.0161	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Bromomethane	ND		0.0731	0.0344	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
2-Butanone	ND		0.731	0.124	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Carbon disulfide	ND		0.0731	0.0212	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Carbon Tetrachloride	ND		0.0731	0.0197	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Chlorobenzene	ND		0.0731	0.0278	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Chlorodibromomethane	ND		0.0731	0.0219	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Chloroethane	ND		0.0731	0.0300	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Chloroform	ND		0.0731	0.0344	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Chloromethane	ND		0.0731	0.0132	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Dibromomethane	ND		0.0731	0.0314	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
1,2-Dichloroethane	ND		0.0731	0.0278	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
1,1-Dichloroethane	ND		0.0731	0.0234	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
1,1-Dichloroethene	ND		0.0731	0.0263	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
trans-1,2-Dichloroethene	ND		0.0731	0.0263	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
cis-1,2-Dichloroethene	ND		0.0731	0.0278	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
1,2-Dichloropropane	ND		0.0731	0.0241	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
trans-1,3-Dichloropropene	ND		0.0731	0.0117	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
1,1-Dichloropropene	ND		0.0731	0.0219	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
cis-1,3-Dichloropropene	ND		0.0731	0.0139	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Ethylbenzene	ND		0.0731	0.0234	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
2-Hexanone	ND		3.66	0.161	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Methylene Chloride	ND		0.146	0.0110	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
4-Methyl-2-pentanone	ND		0.731	0.117	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Styrene	ND		0.0731	0.0161	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
1,1,1,2-Tetrachloroethane	ND		0.0731	0.0161	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Tetrachloroethene	ND		0.0731	0.0161	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Toluene	ND		0.0731	0.0241	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
1,1,1-Trichloroethane	ND		0.0731	0.0256	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
1,1,2-Trichloroethane	ND		0.0731	0.0278	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Trichloroethene	ND		0.0731	0.0271	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Vinyl chloride	ND		0.0731	0.0263	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0
Xylenes, total	ND		0.146	0.0636	mg/kg dry	☼	06/15/11 09:36	06/18/11 19:30	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*67 - 138*	*06/15/11 09:36*	*06/18/11 19:30*	*50.0*
Dibromofluoromethane	*93*		*75 - 125*	*06/15/11 09:36*	*06/18/11 19:30*	*50.0*
Toluene-d8	*98*		*76 - 129*	*06/15/11 09:36*	*06/18/11 19:30*	*50.0*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/15/11 09:36*	*06/18/11 19:30*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**93.0**		0.500	0.500	%		06/21/11 16:13	06/22/11 08:35	1.00

Client Sample ID: HP-11 (6-7)

Lab Sample ID: NUF2655-07

Date Collected: 06/15/11 09:50
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 86.3

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.44	2.22	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Benzene	ND		0.0887	0.0240	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Bromodichloromethane	ND		0.0887	0.0328	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Bromoform	ND		0.0887	0.0195	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Bromomethane	ND		0.0887	0.0417	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
2-Butanone	ND		0.887	0.151	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Carbon disulfide	ND		0.0887	0.0257	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Carbon Tetrachloride	ND		0.0887	0.0240	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Chlorobenzene	ND		0.0887	0.0337	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Chlorodibromomethane	ND		0.0887	0.0266	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Chloroethane	ND		0.0887	0.0364	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Chloroform	ND		0.0887	0.0417	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Chloromethane	ND		0.0887	0.0160	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Dibromomethane	ND		0.0887	0.0382	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
1,2-Dichloroethane	ND		0.0887	0.0337	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
1,1-Dichloroethane	ND		0.0887	0.0284	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
1,1-Dichloroethene	ND		0.0887	0.0319	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
trans-1,2-Dichloroethene	ND		0.0887	0.0319	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
cis-1,2-Dichloroethene	ND		0.0887	0.0337	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
1,2-Dichloropropane	ND		0.0887	0.0293	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
trans-1,3-Dichloropropene	ND		0.0887	0.0142	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
1,1-Dichloropropene	ND		0.0887	0.0266	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
cis-1,3-Dichloropropene	ND		0.0887	0.0169	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Ethylbenzene	ND		0.0887	0.0284	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
2-Hexanone	ND		4.44	0.195	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Methylene Chloride	ND		0.177	0.0133	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
4-Methyl-2-pentanone	ND		0.887	0.142	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Styrene	ND		0.0887	0.0195	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
1,1,1,2-Tetrachloroethane	ND		0.0887	0.0195	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Tetrachloroethene	ND		0.0887	0.0195	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Toluene	ND		0.0887	0.0293	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
1,1,1-Trichloroethane	ND		0.0887	0.0311	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
1,1,2-Trichloroethane	ND		0.0887	0.0337	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Trichloroethene	ND		0.0887	0.0328	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Vinyl chloride	ND		0.0887	0.0319	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0
Xylenes, total	ND		0.177	0.0772	mg/kg dry	☼	06/15/11 09:50	06/18/11 19:57	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/15/11 09:50*	*06/18/11 19:57*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/15/11 09:50*	*06/18/11 19:57*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/15/11 09:50*	*06/18/11 19:57*	*50.0*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/15/11 09:50*	*06/18/11 19:57*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**86.3**		0.500	0.500	%		06/21/11 16:13	06/22/11 08:35	1.00

Client Sample ID: HP-11 (12-13)

Lab Sample ID: NUF2655-08

Date Collected: 06/15/11 09:55
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 85

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.69	2.35	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Benzene	ND		0.0938	0.0253	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Bromodichloromethane	ND		0.0938	0.0347	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Bromoform	ND		0.0938	0.0206	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Bromomethane	ND		0.0938	0.0441	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
2-Butanone	ND		0.938	0.160	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Carbon disulfide	ND		0.0938	0.0272	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Carbon Tetrachloride	ND		0.0938	0.0253	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Chlorobenzene	ND		0.0938	0.0357	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Chlorodibromomethane	ND		0.0938	0.0282	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Chloroethane	ND		0.0938	0.0385	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Chloroform	ND		0.0938	0.0441	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Chloromethane	ND		0.0938	0.0169	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Dibromomethane	ND		0.0938	0.0404	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
1,2-Dichloroethane	ND		0.0938	0.0357	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
1,1-Dichloroethane	ND		0.0938	0.0300	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
1,1-Dichloroethene	ND		0.0938	0.0338	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
trans-1,2-Dichloroethene	ND		0.0938	0.0338	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
cis-1,2-Dichloroethene	ND		0.0938	0.0357	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
1,2-Dichloropropane	ND		0.0938	0.0310	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
trans-1,3-Dichloropropene	ND		0.0938	0.0150	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
1,1-Dichloropropene	ND		0.0938	0.0282	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
cis-1,3-Dichloropropene	ND		0.0938	0.0178	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Ethylbenzene	**0.130**		0.0938	0.0300	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
2-Hexanone	ND		4.69	0.206	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Methylene Chloride	ND		0.188	0.0141	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
4-Methyl-2-pentanone	ND		0.938	0.150	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Styrene	ND		0.0938	0.0206	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
1,1,1,2-Tetrachloroethane	ND		0.0938	0.0206	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Tetrachloroethene	ND		0.0938	0.0206	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Toluene	ND		0.0938	0.0310	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
1,1,1-Trichloroethane	ND		0.0938	0.0328	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
1,1,2-Trichloroethane	ND		0.0938	0.0357	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Trichloroethene	ND		0.0938	0.0347	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Vinyl chloride	ND		0.0938	0.0338	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0
Xylenes, total	**0.498**		0.188	0.0816	mg/kg dry	☼	06/15/11 09:55	06/18/11 20:25	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*92*		*67 - 138*	*06/15/11 09:55*	*06/18/11 20:25*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/15/11 09:55*	*06/18/11 20:25*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/15/11 09:55*	*06/18/11 20:25*	*50.0*
4-Bromofluorobenzene	*104*		*67 - 147*	*06/15/11 09:55*	*06/18/11 20:25*	*50.0*

Method: SW846 9060M - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**997**	**J B**	1000	630	mg/kg dry	☼	06/17/11 09:04	06/20/11 14:09	1.00

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

Client Sample ID: HP-11 (12-13)

Lab Sample ID: NUF2655-08

Date Collected: 06/15/11 09:55
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 85

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	85.0		0.500	0.500	%		06/21/11 16:13	06/22/11 08:35	1.00

Client Sample ID: HP-10 (4-5)

Lab Sample ID: NUF2655-09

Date Collected: 06/15/11 10:10
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 86.6

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.52	2.76	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Benzene	ND		0.110	0.0298	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Bromodichloromethane	ND		0.110	0.0408	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Bromoform	ND		0.110	0.0243	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Bromomethane	ND		0.110	0.0519	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
2-Butanone	ND		1.10	0.188	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Carbon disulfide	ND		0.110	0.0320	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Carbon Tetrachloride	ND		0.110	0.0298	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Chlorobenzene	ND		0.110	0.0419	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Chlorodibromomethane	ND		0.110	0.0331	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Chloroethane	ND		0.110	0.0453	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Chloroform	ND		0.110	0.0519	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Chloromethane	ND		0.110	0.0199	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Dibromomethane	ND		0.110	0.0475	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
1,2-Dichloroethane	ND		0.110	0.0419	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
1,1-Dichloroethane	ND		0.110	0.0353	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
1,1-Dichloroethene	ND		0.110	0.0397	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
trans-1,2-Dichloroethene	ND		0.110	0.0397	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
cis-1,2-Dichloroethene	ND		0.110	0.0419	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
1,2-Dichloropropane	ND		0.110	0.0364	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
trans-1,3-Dichloropropene	ND		0.110	0.0177	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
1,1-Dichloropropene	ND		0.110	0.0331	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
cis-1,3-Dichloropropene	ND		0.110	0.0210	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Ethylbenzene	ND		0.110	0.0353	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
2-Hexanone	ND		5.52	0.243	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Methylene Chloride	ND		0.221	0.0166	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
4-Methyl-2-pentanone	ND		1.10	0.177	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Styrene	ND		0.110	0.0243	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
1,1,1,2-Tetrachloroethane	ND		0.110	0.0243	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Tetrachloroethene	ND		0.110	0.0243	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Toluene	ND		0.110	0.0364	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
1,1,1-Trichloroethane	ND		0.110	0.0386	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
1,1,2-Trichloroethane	ND		0.110	0.0419	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Trichloroethene	ND		0.110	0.0408	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Vinyl chloride	ND		0.110	0.0397	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0
Xylenes, total	ND		0.221	0.0960	mg/kg dry	☼	06/15/11 10:10	06/18/11 20:52	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*92*		*67 - 138*	*06/15/11 10:10*	*06/18/11 20:52*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/15/11 10:10*	*06/18/11 20:52*	*50.0*
Toluene-d8	*95*		*76 - 129*	*06/15/11 10:10*	*06/18/11 20:52*	*50.0*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/15/11 10:10*	*06/18/11 20:52*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**86.6**		0.500	0.500	%		06/22/11 10:51	06/23/11 10:07	1.00

Client Sample ID: HP-10 (10-12)

Date Collected: 06/15/11 10:30
Date Received: 06/16/11 08:45

Lab Sample ID: NUF2655-10

Matrix: Soil
Percent Solids: 85.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.64	2.32	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Benzene	ND		0.0928	0.0251	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Bromodichloromethane	ND		0.0928	0.0344	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Bromoform	ND		0.0928	0.0204	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Bromomethane	ND		0.0928	0.0436	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
2-Butanone	ND		0.928	0.158	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Carbon disulfide	ND		0.0928	0.0269	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Carbon Tetrachloride	ND		0.0928	0.0251	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Chlorobenzene	ND		0.0928	0.0353	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Chlorodibromomethane	ND		0.0928	0.0279	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Chloroethane	ND		0.0928	0.0381	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Chloroform	ND		0.0928	0.0436	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Chloromethane	ND		0.0928	0.0167	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Dibromomethane	ND		0.0928	0.0399	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
1,2-Dichloroethane	ND		0.0928	0.0353	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
1,1-Dichloroethane	ND		0.0928	0.0297	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
1,1-Dichloroethene	ND		0.0928	0.0334	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
trans-1,2-Dichloroethene	ND		0.0928	0.0334	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
cis-1,2-Dichloroethene	ND		0.0928	0.0353	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
1,2-Dichloropropane	ND		0.0928	0.0306	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
trans-1,3-Dichloropropene	ND		0.0928	0.0149	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
1,1-Dichloropropene	ND		0.0928	0.0279	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
cis-1,3-Dichloropropene	ND		0.0928	0.0176	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
2-Hexanone	ND		4.64	0.204	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Methylene Chloride	ND		0.186	0.0139	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
4-Methyl-2-pentanone	ND		0.928	0.149	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Styrene	ND		0.0928	0.0204	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
1,1,1,2-Tetrachloroethane	ND		0.0928	0.0204	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Tetrachloroethene	ND		0.0928	0.0204	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
1,1,1-Trichloroethane	ND		0.0928	0.0325	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
1,1,2-Trichloroethane	ND		0.0928	0.0353	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Trichloroethene	ND		0.0928	0.0344	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0
Vinyl chloride	ND		0.0928	0.0334	mg/kg dry	☼	06/15/11 10:30	06/18/11 21:20	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*90*		*67 - 138*	*06/15/11 10:30*	*06/18/11 21:20*	*50.0*
Dibromofluoromethane	*93*		*75 - 125*	*06/15/11 10:30*	*06/18/11 21:20*	*50.0*
Toluene-d8	*105*		*76 - 129*	*06/15/11 10:30*	*06/18/11 21:20*	*50.0*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/15/11 10:30*	*06/18/11 21:20*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**82.4**		1.86	0.594	mg/kg dry	☼	06/15/11 10:30	06/22/11 06:32	1000
Toluene	**199**		1.86	0.613	mg/kg dry	☼	06/15/11 10:30	06/22/11 06:32	1000
Xylenes, total	**439**		3.71	1.62	mg/kg dry	☼	06/15/11 10:30	06/22/11 06:32	1000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*95*		*67 - 138*	*06/15/11 10:30*	*06/22/11 06:32*	*1000*
Dibromofluoromethane	*90*		*75 - 125*	*06/15/11 10:30*	*06/22/11 06:32*	*1000*
Toluene-d8	*100*		*76 - 129*	*06/15/11 10:30*	*06/22/11 06:32*	*1000*
4-Bromofluorobenzene	*95*		*67 - 147*	*06/15/11 10:30*	*06/22/11 06:32*	*1000*

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

Client Sample ID: HP-10 (10-12)

Lab Sample ID: NUF2655-10

Date Collected: 06/15/11 10:30
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 85.5

Method: SW846 9060M - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2520	B	1000	630	mg/kg dry	☼	06/17/11 09:04	06/20/11 14:09	1.00

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		06/27/11 15:52	06/27/11 15:53	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	85.5		0.500	0.500	%		06/22/11 10:51	06/23/11 10:07	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

Client Sample ID: HP-09 (1-2)

Date Collected: 06/15/11 10:55
Date Received: 06/16/11 08:45

Lab Sample ID: NUF2655-11

Matrix: Soil
Percent Solids: 91.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.05	2.53	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Benzene	ND		0.101	0.0273	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Bromodichloromethane	ND		0.101	0.0374	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Bromoform	ND		0.101	0.0222	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Bromomethane	ND		0.101	0.0475	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
2-Butanone	ND		1.01	0.172	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Carbon disulfide	ND		0.101	0.0293	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Carbon Tetrachloride	ND		0.101	0.0273	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Chlorobenzene	ND		0.101	0.0384	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Chlorodibromomethane	ND		0.101	0.0303	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Chloroethane	ND		0.101	0.0414	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Chloroform	ND		0.101	0.0475	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Chloromethane	ND		0.101	0.0182	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Dibromomethane	ND		0.101	0.0435	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
1,2-Dichloroethane	ND		0.101	0.0384	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
1,1-Dichloroethane	ND		0.101	0.0323	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
1,1-Dichloroethene	ND		0.101	0.0364	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
trans-1,2-Dichloroethene	ND		0.101	0.0364	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
cis-1,2-Dichloroethene	ND		0.101	0.0384	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
1,2-Dichloropropane	ND		0.101	0.0333	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
trans-1,3-Dichloropropene	ND		0.101	0.0162	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
1,1-Dichloropropene	ND		0.101	0.0303	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
cis-1,3-Dichloropropene	ND		0.101	0.0192	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Ethylbenzene	**0.0485**	**J**	0.101	0.0323	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
2-Hexanone	ND		5.05	0.222	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Methylene Chloride	**0.0283**	**J B**	0.202	0.0152	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
4-Methyl-2-pentanone	ND		1.01	0.162	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Styrene	ND		0.101	0.0222	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
1,1,1,2-Tetrachloroethane	ND		0.101	0.0222	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Tetrachloroethene	ND		0.101	0.0222	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Toluene	**0.0435**	**J**	0.101	0.0333	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
1,1,1-Trichloroethane	ND		0.101	0.0354	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
1,1,2-Trichloroethane	ND		0.101	0.0384	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Trichloroethene	ND		0.101	0.0374	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Vinyl chloride	ND		0.101	0.0364	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0
Xylenes, total	**1.14**		0.202	0.0879	mg/kg dry	☼	06/15/11 10:55	06/22/11 03:15	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*103*		*67 - 138*	*06/15/11 10:55*	*06/22/11 03:15*	*50.0*
Dibromofluoromethane	*98*		*75 - 125*	*06/15/11 10:55*	*06/22/11 03:15*	*50.0*
Toluene-d8	*98*		*76 - 129*	*06/15/11 10:55*	*06/22/11 03:15*	*50.0*
4-Bromofluorobenzene	*89*		*67 - 147*	*06/15/11 10:55*	*06/22/11 03:15*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.5**		0.500	0.500	%		06/22/11 10:51	06/23/11 10:07	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

Client Sample ID: HP-09 (3-4)

Date Collected: 06/15/11 11:00
Date Received: 06/16/11 08:45

Lab Sample ID: NUF2655-12

Matrix: Soil
Percent Solids: 91.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.85	2.43	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Benzene	ND		0.0971	0.0262	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Bromodichloromethane	ND		0.0971	0.0359	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Bromoform	ND		0.0971	0.0214	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Bromomethane	ND		0.0971	0.0456	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
2-Butanone	ND		0.971	0.165	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Carbon disulfide	ND		0.0971	0.0282	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Carbon Tetrachloride	ND		0.0971	0.0262	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Chlorobenzene	ND		0.0971	0.0369	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Chlorodibromomethane	ND		0.0971	0.0291	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Chloroethane	ND		0.0971	0.0398	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Chloroform	ND		0.0971	0.0456	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Chloromethane	ND		0.0971	0.0175	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Dibromomethane	ND		0.0971	0.0417	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
1,2-Dichloroethane	ND		0.0971	0.0369	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
1,1-Dichloroethane	ND		0.0971	0.0311	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
1,1-Dichloroethene	ND		0.0971	0.0350	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
trans-1,2-Dichloroethene	ND		0.0971	0.0350	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
cis-1,2-Dichloroethene	ND		0.0971	0.0369	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
1,2-Dichloropropane	ND		0.0971	0.0320	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
trans-1,3-Dichloropropene	ND		0.0971	0.0155	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
1,1-Dichloropropene	ND		0.0971	0.0291	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
cis-1,3-Dichloropropene	ND		0.0971	0.0184	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Ethylbenzene	ND		0.0971	0.0311	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
2-Hexanone	ND		4.85	0.214	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Methylene Chloride	ND		0.194	0.0146	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
4-Methyl-2-pentanone	ND		0.971	0.155	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Styrene	ND		0.0971	0.0214	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
1,1,1,2-Tetrachloroethane	ND		0.0971	0.0214	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Tetrachloroethene	ND		0.0971	0.0214	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Toluene	**0.0544**	**CF7 J**	0.0971	0.0320	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
1,1,1-Trichloroethane	ND		0.0971	0.0340	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
1,1,2-Trichloroethane	ND		0.0971	0.0369	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Trichloroethene	ND		0.0971	0.0359	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Vinyl chloride	ND		0.0971	0.0350	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0
Xylenes, total	**0.141**	**CF7 J**	0.194	0.0845	mg/kg dry	☼	06/15/11 11:00	06/18/11 22:15	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*90*		*67 - 138*	*06/15/11 11:00*	*06/18/11 22:15*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/15/11 11:00*	*06/18/11 22:15*	*50.0*
Toluene-d8	*95*		*76 - 129*	*06/15/11 11:00*	*06/18/11 22:15*	*50.0*
4-Bromofluorobenzene	*100*		*67 - 147*	*06/15/11 11:00*	*06/18/11 22:15*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.5**		0.500	0.500	%		06/22/11 10:51	06/23/11 10:07	1.00

Client Sample ID: HP-09 (8-9)

Date Collected: 06/15/11 11:05
Date Received: 06/16/11 08:45

Lab Sample ID: NUF2655-13

Matrix: Soil
Percent Solids: 91.1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.73	2.36	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Benzene	ND		0.0946	0.0255	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Bromodichloromethane	ND		0.0946	0.0350	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Bromoform	ND		0.0946	0.0208	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Bromomethane	ND		0.0946	0.0445	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
2-Butanone	ND		0.946	0.161	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Carbon disulfide	ND		0.0946	0.0274	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Carbon Tetrachloride	ND		0.0946	0.0255	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Chlorobenzene	ND		0.0946	0.0359	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Chlorodibromomethane	ND		0.0946	0.0284	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Chloroethane	ND		0.0946	0.0388	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Chloroform	ND		0.0946	0.0445	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Chloromethane	ND		0.0946	0.0170	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Dibromomethane	ND		0.0946	0.0407	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
1,2-Dichloroethane	ND		0.0946	0.0359	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
1,1-Dichloroethane	ND		0.0946	0.0303	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
1,1-Dichloroethene	ND		0.0946	0.0341	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
trans-1,2-Dichloroethene	ND		0.0946	0.0341	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
cis-1,2-Dichloroethene	ND		0.0946	0.0359	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
1,2-Dichloropropane	ND		0.0946	0.0312	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
trans-1,3-Dichloropropene	ND		0.0946	0.0151	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
1,1-Dichloropropene	ND		0.0946	0.0284	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
cis-1,3-Dichloropropene	ND		0.0946	0.0180	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Ethylbenzene	ND		0.0946	0.0303	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
2-Hexanone	ND		4.73	0.208	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Methylene Chloride	ND		0.189	0.0142	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
4-Methyl-2-pentanone	ND		0.946	0.151	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Styrene	ND		0.0946	0.0208	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
1,1,1,2-Tetrachloroethane	ND		0.0946	0.0208	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Tetrachloroethene	ND		0.0946	0.0208	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Toluene	ND		0.0946	0.0312	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
1,1,1-Trichloroethane	ND		0.0946	0.0331	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
1,1,2-Trichloroethane	ND		0.0946	0.0359	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Trichloroethene	ND		0.0946	0.0350	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Vinyl chloride	ND		0.0946	0.0341	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0
Xylenes, total	ND		0.189	0.0823	mg/kg dry	☼	06/15/11 11:05	06/18/11 22:43	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/15/11 11:05*	*06/18/11 22:43*	*50.0*
Dibromofluoromethane	*93*		*75 - 125*	*06/15/11 11:05*	*06/18/11 22:43*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/15/11 11:05*	*06/18/11 22:43*	*50.0*
4-Bromofluorobenzene	*100*		*67 - 147*	*06/15/11 11:05*	*06/18/11 22:43*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.1**		0.500	0.500	%		06/22/11 10:51	06/23/11 10:07	1.00

Client Sample ID: Trip Blank

Lab Sample ID: NUF2655-14

Date Collected: 06/15/11 00:01

Matrix: Soil

Date Received: 06/16/11 08:45

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	1.25	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Benzene	ND		0.0500	0.0135	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Bromodichloromethane	ND		0.0500	0.0185	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Bromoform	ND		0.0500	0.0110	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Bromomethane	ND		0.0500	0.0235	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
2-Butanone	ND		0.500	0.0850	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Carbon disulfide	ND		0.0500	0.0145	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Carbon Tetrachloride	ND		0.0500	0.0135	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Chlorobenzene	ND		0.0500	0.0190	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Chlorodibromomethane	ND		0.0500	0.0150	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Chloroethane	ND		0.0500	0.0205	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Chloroform	ND		0.0500	0.0235	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Chloromethane	ND		0.0500	0.00900	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Dibromomethane	ND		0.0500	0.0215	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
1,2-Dichloroethane	ND		0.0500	0.0190	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
1,1-Dichloroethane	ND		0.0500	0.0160	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
1,1-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
trans-1,2-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
cis-1,2-Dichloroethene	ND		0.0500	0.0190	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
1,2-Dichloropropane	ND		0.0500	0.0165	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
trans-1,3-Dichloropropene	ND		0.0500	0.00800	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
1,1-Dichloropropene	ND		0.0500	0.0150	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
cis-1,3-Dichloropropene	ND		0.0500	0.00950	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Ethylbenzene	ND		0.0500	0.0160	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
2-Hexanone	ND		2.50	0.110	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Methylene Chloride	ND		0.100	0.00750	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
4-Methyl-2-pentanone	ND		0.500	0.0800	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Styrene	ND		0.0500	0.0110	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
1,1,1,2-Tetrachloroethane	ND		0.0500	0.0110	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Tetrachloroethene	ND		0.0500	0.0110	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Toluene	ND		0.0500	0.0165	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
1,1,1-Trichloroethane	ND		0.0500	0.0175	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
1,1,2-Trichloroethane	ND		0.0500	0.0190	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Trichloroethene	ND		0.0500	0.0185	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Vinyl chloride	ND		0.0500	0.0180	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0
Xylenes, total	ND		0.100	0.0435	mg/kg wet		06/15/11 00:01	06/18/11 16:16	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/15/11 00:01*	*06/18/11 16:16*	*50.0*
Dibromofluoromethane	*96*		*75 - 125*	*06/15/11 00:01*	*06/18/11 16:16*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/15/11 00:01*	*06/18/11 16:16*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/15/11 00:01*	*06/18/11 16:16*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11F5534-BLK1
Matrix: Soil
Analysis Batch: U011023

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F5534_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	1.25	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Benzene	ND		0.0500	0.0135	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Bromodichloromethane	ND		0.0500	0.0185	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Bromoform	ND		0.0500	0.0110	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Bromomethane	ND		0.0500	0.0235	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
2-Butanone	ND		0.500	0.0850	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Carbon disulfide	0.0150	J	0.0500	0.0145	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Carbon Tetrachloride	ND		0.0500	0.0135	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Chlorobenzene	ND		0.0500	0.0190	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Chlorodibromomethane	ND		0.0500	0.0150	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Chloroethane	ND		0.0500	0.0205	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Chloroform	ND		0.0500	0.0235	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Chloromethane	ND		0.0500	0.00900	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Dibromomethane	ND		0.0500	0.0215	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,2-Dichloroethane	ND		0.0500	0.0190	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1-Dichloroethane	ND		0.0500	0.0160	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
trans-1,2-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
cis-1,2-Dichloroethene	ND		0.0500	0.0190	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,2-Dichloropropane	ND		0.0500	0.0165	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
trans-1,3-Dichloropropene	ND		0.0500	0.00800	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1-Dichloropropene	ND		0.0500	0.0150	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
cis-1,3-Dichloropropene	ND		0.0500	0.00950	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Ethylbenzene	ND		0.0500	0.0160	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
2-Hexanone	ND		2.50	0.110	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Methylene Chloride	ND		0.100	0.00750	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
4-Methyl-2-pentanone	ND		0.500	0.0800	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Styrene	ND		0.0500	0.0110	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1,1,2-Tetrachloroethane	ND		0.0500	0.0110	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Tetrachloroethene	ND		0.0500	0.0110	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Toluene	ND		0.0500	0.0165	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1,1-Trichloroethane	ND		0.0500	0.0175	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
1,1,2-Trichloroethane	ND		0.0500	0.0190	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Trichloroethene	ND		0.0500	0.0185	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Vinyl chloride	ND		0.0500	0.0180	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
o-Xylene	ND		0.0500	0.0150	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
m,p-Xylene	ND		0.100	0.0285	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0
Xylenes, total	ND		0.100	0.0435	mg/kg wet		06/18/11 13:02	06/18/11 15:48	50.0

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*89*		*67 - 138*	*06/18/11 13:02*	*06/18/11 15:48*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/18/11 13:02*	*06/18/11 15:48*	*50.0*
Toluene-d8	*96*		*76 - 129*	*06/18/11 13:02*	*06/18/11 15:48*	*50.0*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/18/11 13:02*	*06/18/11 15:48*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5534-BS1
Matrix: Soil
Analysis Batch: U011023

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F5534_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	250	227		ug/kg		91	60 - 150
Benzene	50.0	53.1		ug/kg		106	78 - 126
Bromodichloromethane	50.0	51.3		ug/kg		103	75 - 129
Bromoform	50.0	44.6		ug/kg		89	74 - 133
Bromomethane	50.0	38.0		ug/kg		76	50 - 150
2-Butanone	250	237		ug/kg		95	68 - 149
Carbon disulfide	50.0	52.3	B	ug/kg		105	80 - 132
Carbon Tetrachloride	50.0	53.2		ug/kg		106	70 - 138
Chlorobenzene	50.0	51.6		ug/kg		103	80 - 123
Chlorodibromomethane	50.0	48.2		ug/kg		96	80 - 127
Chloroethane	50.0	50.8		ug/kg		102	55 - 150
Chloroform	50.0	50.5		ug/kg		101	70 - 127
Chloromethane	50.0	47.6		ug/kg		95	36 - 137
Dibromomethane	50.0	47.8		ug/kg		96	78 - 128
1,2-Dichloroethane	50.0	46.5		ug/kg		93	70 - 139
1,1-Dichloroethane	50.0	54.0		ug/kg		108	71 - 126
1,1-Dichloroethene	50.0	52.4		ug/kg		105	70 - 125
trans-1,2-Dichloroethene	50.0	54.5		ug/kg		109	73 - 128
cis-1,2-Dichloroethene	50.0	53.1		ug/kg		106	75 - 126
1,2-Dichloropropane	50.0	51.9		ug/kg		104	75 - 120
trans-1,3-Dichloropropene	50.0	54.3		ug/kg		109	73 - 128
1,1-Dichloropropene	50.0	53.2		ug/kg		106	78 - 125
cis-1,3-Dichloropropene	50.0	51.9		ug/kg		104	74 - 136
Ethylbenzene	50.0	51.4		ug/kg		103	79 - 130
2-Hexanone	250	247		ug/kg		99	65 - 150
Methylene Chloride	50.0	49.0		ug/kg		98	69 - 140
4-Methyl-2-pentanone	250	222		ug/kg		89	67 - 147
Styrene	50.0	52.3		ug/kg		105	80 - 140
1,1,1,2-Tetrachloroethane	50.0	53.4		ug/kg		107	80 - 132
Tetrachloroethene	50.0	51.4		ug/kg		103	76 - 130
Toluene	50.0	48.3		ug/kg		97	76 - 126
1,1,1-Trichloroethane	50.0	51.4		ug/kg		103	70 - 132
1,1,2-Trichloroethane	50.0	49.6		ug/kg		99	73 - 133
Trichloroethene	50.0	51.0		ug/kg		102	79 - 129
Vinyl chloride	50.0	51.8		ug/kg		104	53 - 142
o-Xylene	50.0	49.7		ug/kg		99	80 - 131
m,p-Xylene	100	102		ug/kg		102	80 - 131
Xylenes, total	150	152		ug/kg		101	80 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*89*		*67 - 138*
Dibromofluoromethane	*100*		*75 - 125*
Toluene-d8	*99*		*76 - 129*
4-Bromofluorobenzene	*102*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5534-BSD1
Matrix: Soil
Analysis Batch: U011023

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11F5534_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone			250	235		ug/kg		94	60 - 150	3	50
Benzene			50.0	53.8		ug/kg		108	78 - 126	1	50
Bromodichloromethane			50.0	51.9		ug/kg		104	75 - 129	1	50
Bromoform			50.0	45.6		ug/kg		91	74 - 133	2	43
Bromomethane			50.0	39.0		ug/kg		78	50 - 150	3	46
2-Butanone			250	232		ug/kg		93	68 - 149	2	50
Carbon disulfide			50.0	53.2	B	ug/kg		106	80 - 132	2	48
Carbon Tetrachloride			50.0	53.6		ug/kg		107	70 - 138	0.6	44
Chlorobenzene			50.0	52.5		ug/kg		105	80 - 123	2	50
Chlorodibromomethane			50.0	49.0		ug/kg		98	80 - 127	2	48
Chloroethane			50.0	51.1		ug/kg		102	55 - 150	0.6	50
Chloroform			50.0	51.7		ug/kg		103	70 - 127	2	50
Chloromethane			50.0	46.4		ug/kg		93	36 - 137	3	44
Dibromomethane			50.0	47.7		ug/kg		95	78 - 128	0.2	50
1,2-Dichloroethane			50.0	47.7		ug/kg		95	70 - 139	2	50
1,1-Dichloroethane			50.0	54.8		ug/kg		110	71 - 126	2	50
1,1-Dichloroethene			50.0	53.9		ug/kg		108	70 - 125	3	50
trans-1,2-Dichloroethene			50.0	55.6		ug/kg		111	73 - 128	2	40
cis-1,2-Dichloroethene			50.0	53.9		ug/kg		108	75 - 126	2	50
1,2-Dichloropropane			50.0	52.8		ug/kg		106	75 - 120	2	50
trans-1,3-Dichloropropene			50.0	54.9		ug/kg		110	73 - 128	1	48
1,1-Dichloropropene			50.0	53.0		ug/kg		106	78 - 125	0.4	50
cis-1,3-Dichloropropene			50.0	53.3		ug/kg		107	74 - 136	3	50
Ethylbenzene			50.0	52.4		ug/kg		105	79 - 130	2	50
2-Hexanone			250	249		ug/kg		100	65 - 150	0.6	50
Methylene Chloride			50.0	49.7		ug/kg		99	69 - 140	1	50
4-Methyl-2-pentanone			250	221		ug/kg		88	67 - 147	0.8	45
Styrene			50.0	53.6		ug/kg		107	80 - 140	2	50
1,1,1,2-Tetrachloroethane			50.0	54.9		ug/kg		110	80 - 132	3	50
Tetrachloroethene			50.0	52.3		ug/kg		105	76 - 130	2	50
Toluene			50.0	49.0		ug/kg		98	76 - 126	1	50
1,1,1-Trichloroethane			50.0	51.9		ug/kg		104	70 - 132	1	41
1,1,2-Trichloroethane			50.0	50.5		ug/kg		101	73 - 133	2	50
Trichloroethene			50.0	51.9		ug/kg		104	79 - 129	2	50
Vinyl chloride			50.0	49.9		ug/kg		100	53 - 142	4	39
o-Xylene			50.0	50.8		ug/kg		102	80 - 131	2	50
m,p-Xylene			100	104		ug/kg		104	80 - 131	2	50
Xylenes, total			150	154		ug/kg		103	80 - 130	2	50

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*90*		*67 - 138*
Dibromofluoromethane	*98*		*75 - 125*
Toluene-d8	*99*		*76 - 129*
4-Bromofluorobenzene	*100*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5534-MS1
Matrix: Soil
Analysis Batch: U011023

Client Sample ID: HP-10 (10-12)
Prep Type: Total
Prep Batch: 11F5534_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	ND		23.2	21.9		mg/kg dry	☼	94	29 - 181
Benzene	ND		4.64	4.80		mg/kg dry	☼	103	42 - 141
Bromodichloromethane	ND		4.64	4.45		mg/kg dry	☼	96	32 - 155
Bromoform	ND		4.64	3.06		mg/kg dry	☼	66	10 - 155
Bromomethane	ND		4.64	1.52		mg/kg dry	☼	33	10 - 199
2-Butanone	ND		23.2	21.4		mg/kg dry	☼	92	38 - 161
Carbon disulfide	ND		4.64	4.75	B	mg/kg dry	☼	102	50 - 136
Carbon Tetrachloride	ND		4.64	4.75		mg/kg dry	☼	102	30 - 159
Chlorobenzene	ND		4.64	4.65		mg/kg dry	☼	100	25 - 151
Chlorodibromomethane	ND		4.64	3.75		mg/kg dry	☼	81	27 - 150
Chloroethane	ND		4.64	2.75		mg/kg dry	☼	59	15 - 197
Chloroform	ND		4.64	4.50		mg/kg dry	☼	97	33 - 148
Chloromethane	ND		4.64	3.47		mg/kg dry	☼	75	10 - 166
Dibromomethane	ND		4.64	4.13		mg/kg dry	☼	89	30 - 149
1,2-Dichloroethane	ND		4.64	4.04		mg/kg dry	☼	87	32 - 155
1,1-Dichloroethane	ND		4.64	4.89		mg/kg dry	☼	105	51 - 135
1,1-Dichloroethene	ND		4.64	4.89		mg/kg dry	☼	105	46 - 141
trans-1,2-Dichloroethene	ND		4.64	4.95		mg/kg dry	☼	107	41 - 146
cis-1,2-Dichloroethene	ND		4.64	4.74		mg/kg dry	☼	102	32 - 150
1,2-Dichloropropane	ND		4.64	5.09		mg/kg dry	☼	110	34 - 139
trans-1,3-Dichloropropene	ND		4.64	4.09		mg/kg dry	☼	88	24 - 151
1,1-Dichloropropene	ND		4.64	4.86		mg/kg dry	☼	105	40 - 151
cis-1,3-Dichloropropene	ND		4.64	3.98		mg/kg dry	☼	86	23 - 152
Ethylbenzene	48.1		4.64	58.0	E M7 MHA	mg/kg dry	☼	213	21 - 165
2-Hexanone	ND		23.2	22.7		mg/kg dry	☼	98	13 - 174
Methylene Chloride	ND		4.64	4.52		mg/kg dry	☼	97	36 - 163
4-Methyl-2-pentanone	ND		23.2	16.9		mg/kg dry	☼	73	19 - 176
Styrene	ND		4.64	7.13		mg/kg dry	☼	154	10 - 177
1,1,1,2-Tetrachloroethane	ND		4.64	4.50		mg/kg dry	☼	97	31 - 150
Tetrachloroethene	ND		4.64	4.68		mg/kg dry	☼	101	33 - 155
Toluene	66.7		4.64	78.1	E M7 MHA	mg/kg dry	☼	245	45 - 145
1,1,1-Trichloroethane	ND		4.64	4.56		mg/kg dry	☼	98	39 - 148
1,1,2-Trichloroethane	ND		4.64	4.15		mg/kg dry	☼	89	43 - 145
Trichloroethene	ND		4.64	4.83		mg/kg dry	☼	104	39 - 150
Vinyl chloride	ND		4.64	2.41		mg/kg dry	☼	52	32 - 163
o-Xylene	61.4		4.64	70.4	E M7 MHA	mg/kg dry	☼	196	36 - 148
m,p-Xylene	101		9.28	124	E M7 MHA	mg/kg dry	☼	253	31 - 159
Xylenes, total	162		13.9	195	E M7 MHA	mg/kg dry	☼	234	31 - 159

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*82*		*67 - 138*
Dibromofluoromethane	*96*		*75 - 125*
Toluene-d8	*106*		*76 - 129*
4-Bromofluorobenzene	*98*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5534-MSD1 | **Client Sample ID: HP-10 (10-12)**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: U011023 | **Prep Batch: 11F5534_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	ND		23.2	22.1		mg/kg dry	☼	95	29 - 181	1	50
Benzene	ND		4.64	5.03		mg/kg dry	☼	108	42 - 141	5	50
Bromodichloromethane	ND		4.64	4.61		mg/kg dry	☼	99	32 - 155	3	50
Bromoform	ND		4.64	3.29		mg/kg dry	☼	71	10 - 155	7	43
Bromomethane	ND		4.64	2.02		mg/kg dry	☼	44	10 - 199	28	46
2-Butanone	ND		23.2	21.9		mg/kg dry	☼	94	38 - 161	3	50
Carbon disulfide	ND		4.64	4.88	B	mg/kg dry	☼	105	50 - 136	3	48
Carbon Tetrachloride	ND		4.64	4.95		mg/kg dry	☼	107	30 - 159	4	44
Chlorobenzene	ND		4.64	4.87		mg/kg dry	☼	105	25 - 151	5	50
Chlorodibromomethane	ND		4.64	3.91		mg/kg dry	☼	84	27 - 150	4	48
Chloroethane	ND		4.64	2.88		mg/kg dry	☼	62	15 - 197	4	50
Chloroform	ND		4.64	4.78		mg/kg dry	☼	103	33 - 148	6	50
Chloromethane	ND		4.64	3.88		mg/kg dry	☼	84	10 - 166	11	44
Dibromomethane	ND		4.64	4.33		mg/kg dry	☼	93	30 - 149	5	50
1,2-Dichloroethane	ND		4.64	4.20		mg/kg dry	☼	90	32 - 155	4	50
1,1-Dichloroethane	ND		4.64	4.99		mg/kg dry	☼	107	51 - 135	2	50
1,1-Dichloroethene	ND		4.64	4.98		mg/kg dry	☼	107	46 - 141	2	50
trans-1,2-Dichloroethene	ND		4.64	5.10		mg/kg dry	☼	110	41 - 146	3	40
cis-1,2-Dichloroethene	ND		4.64	4.96		mg/kg dry	☼	107	32 - 150	4	50
1,2-Dichloropropane	ND		4.64	5.28		mg/kg dry	☼	114	34 - 139	4	50
trans-1,3-Dichloropropene	ND		4.64	4.33		mg/kg dry	☼	93	24 - 151	6	48
1,1-Dichloropropene	ND		4.64	5.07		mg/kg dry	☼	109	40 - 151	4	50
cis-1,3-Dichloropropene	ND		4.64	4.18		mg/kg dry	☼	90	23 - 152	5	50
Ethylbenzene	48.1		4.64	58.3	E M7 MHA	mg/kg dry	☼	221	21 - 165	0.6	50
2-Hexanone	ND		23.2	23.3		mg/kg dry	☼	100	13 - 174	3	50
Methylene Chloride	ND		4.64	4.63		mg/kg dry	☼	100	36 - 163	2	50
4-Methyl-2-pentanone	ND		23.2	17.5		mg/kg dry	☼	75	19 - 176	4	45
Styrene	ND		4.64	7.48		mg/kg dry	☼	161	10 - 177	5	50
1,1,1,2-Tetrachloroethane	ND		4.64	4.73		mg/kg dry	☼	102	31 - 150	5	50
Tetrachloroethene	ND		4.64	4.98		mg/kg dry	☼	107	33 - 155	6	50
Toluene	66.7		4.64	80.0	E M7 MHA	mg/kg dry	☼	287	45 - 145	2	50
1,1,1-Trichloroethane	ND		4.64	4.82		mg/kg dry	☼	104	39 - 148	6	41
1,1,2-Trichloroethane	ND		4.64	4.49		mg/kg dry	☼	97	43 - 145	8	50
Trichloroethene	ND		4.64	5.05		mg/kg dry	☼	109	39 - 150	4	50
Vinyl chloride	ND		4.64	2.37		mg/kg dry	☼	51	32 - 163	2	39
o-Xylene	61.4		4.64	72.5	E M7 MHA	mg/kg dry	☼	241	36 - 148	3	50
m,p-Xylene	101		9.28	127	E M7 MHA	mg/kg dry	☼	279	31 - 159	2	50
Xylenes, total	162		13.9	199	E M7 MHA	mg/kg dry	☼	266	31 - 159	2	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*82*		*67 - 138*
Dibromofluoromethane	*95*		*75 - 125*
Toluene-d8	*108*		*76 - 129*
4-Bromofluorobenzene	*97*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5624-BLK1
Matrix: Soil
Analysis Batch: U011054

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F5624_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	1.25	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Benzene	ND		0.0500	0.0135	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Bromodichloromethane	ND		0.0500	0.0185	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Bromoform	ND		0.0500	0.0110	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Bromomethane	ND		0.0500	0.0235	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
2-Butanone	ND		0.500	0.0850	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Carbon disulfide	ND		0.0500	0.0145	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Carbon Tetrachloride	ND		0.0500	0.0135	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Chlorobenzene	ND		0.0500	0.0190	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Chlorodibromomethane	ND		0.0500	0.0150	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Chloroethane	ND		0.0500	0.0205	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Chloroform	ND		0.0500	0.0235	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Chloromethane	ND		0.0500	0.00900	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Dibromomethane	ND		0.0500	0.0215	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,2-Dichloroethane	ND		0.0500	0.0190	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1-Dichloroethane	ND		0.0500	0.0160	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
trans-1,2-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
cis-1,2-Dichloroethene	ND		0.0500	0.0190	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,2-Dichloropropane	ND		0.0500	0.0165	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
trans-1,3-Dichloropropene	ND		0.0500	0.00800	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1-Dichloropropene	ND		0.0500	0.0150	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
cis-1,3-Dichloropropene	ND		0.0500	0.00950	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Ethylbenzene	ND		0.0500	0.0160	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
2-Hexanone	ND		2.50	0.110	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Methylene Chloride	0.0160	J	0.100	0.00750	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
4-Methyl-2-pentanone	ND		0.500	0.0800	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Styrene	ND		0.0500	0.0110	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1,1,2-Tetrachloroethane	ND		0.0500	0.0110	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Tetrachloroethene	ND		0.0500	0.0110	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Toluene	ND		0.0500	0.0165	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1,1-Trichloroethane	ND		0.0500	0.0175	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
1,1,2-Trichloroethane	ND		0.0500	0.0190	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Trichloroethene	ND		0.0500	0.0185	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Vinyl chloride	ND		0.0500	0.0180	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
o-Xylene	ND		0.0500	0.0150	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
m,p-Xylene	ND		0.100	0.0285	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0
Xylenes, total	ND		0.100	0.0435	mg/kg wet		06/21/11 23:28	06/22/11 02:46	50.0

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*102*		*67 - 138*	*06/21/11 23:28*	*06/22/11 02:46*	*50.0*
Dibromofluoromethane	*98*		*75 - 125*	*06/21/11 23:28*	*06/22/11 02:46*	*50.0*
Toluene-d8	*100*		*76 - 129*	*06/21/11 23:28*	*06/22/11 02:46*	*50.0*
4-Bromofluorobenzene	*94*		*67 - 147*	*06/21/11 23:28*	*06/22/11 02:46*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5624-BS1
Matrix: Soil
Analysis Batch: U011054

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F5624_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	250	274		ug/kg		110	60 - 150
Benzene	50.0	52.5		ug/kg		105	78 - 126
Bromodichloromethane	50.0	55.9		ug/kg		112	75 - 129
Bromoform	50.0	45.1		ug/kg		90	74 - 133
Bromomethane	50.0	49.8		ug/kg		100	50 - 150
2-Butanone	250	230		ug/kg		92	68 - 149
Carbon disulfide	50.0	49.5		ug/kg		99	80 - 132
Carbon Tetrachloride	50.0	56.7		ug/kg		113	70 - 138
Chlorobenzene	50.0	52.3		ug/kg		105	80 - 123
Chlorodibromomethane	50.0	51.3		ug/kg		103	80 - 127
Chloroethane	50.0	50.5		ug/kg		101	55 - 150
Chloroform	50.0	53.3		ug/kg		107	70 - 127
Chloromethane	50.0	32.7		ug/kg		65	36 - 137
Dibromomethane	50.0	51.1		ug/kg		102	78 - 128
1,2-Dichloroethane	50.0	51.1		ug/kg		102	70 - 139
1,1-Dichloroethane	50.0	48.9		ug/kg		98	71 - 126
1,1-Dichloroethene	50.0	48.7		ug/kg		97	70 - 125
trans-1,2-Dichloroethene	50.0	50.0		ug/kg		100	73 - 128
cis-1,2-Dichloroethene	50.0	50.2		ug/kg		100	75 - 126
1,2-Dichloropropane	50.0	51.9		ug/kg		104	75 - 120
trans-1,3-Dichloropropene	50.0	50.0		ug/kg		100	73 - 128
1,1-Dichloropropene	50.0	52.4		ug/kg		105	78 - 125
cis-1,3-Dichloropropene	50.0	61.1		ug/kg		122	74 - 136
Ethylbenzene	50.0	56.5		ug/kg		113	79 - 130
2-Hexanone	250	263		ug/kg		105	65 - 150
Methylene Chloride	50.0	52.1	B	ug/kg		104	69 - 140
4-Methyl-2-pentanone	250	271		ug/kg		109	67 - 147
Styrene	50.0	58.8		ug/kg		118	80 - 140
1,1,1,2-Tetrachloroethane	50.0	58.2		ug/kg		116	80 - 132
Tetrachloroethene	50.0	53.6		ug/kg		107	76 - 130
Toluene	50.0	54.1		ug/kg		108	76 - 126
1,1,1-Trichloroethane	50.0	53.9		ug/kg		108	70 - 132
1,1,2-Trichloroethane	50.0	52.5		ug/kg		105	73 - 133
Trichloroethene	50.0	52.5		ug/kg		105	79 - 129
Vinyl chloride	50.0	41.4		ug/kg		83	53 - 142
o-Xylene	50.0	57.6		ug/kg		115	80 - 131
m,p-Xylene	100	114		ug/kg		114	80 - 131
Xylenes, total	150	172		ug/kg		114	80 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*97*		*67 - 138*
Dibromofluoromethane	*100*		*75 - 125*
Toluene-d8	*103*		*76 - 129*
4-Bromofluorobenzene	*93*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5624-BSD1
Matrix: Soil
Analysis Batch: U011054

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11F5624_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone			250	279		ug/kg		112	60 - 150	2	50
Benzene			50.0	51.2		ug/kg		102	78 - 126	3	50
Bromodichloromethane			50.0	54.5		ug/kg		109	75 - 129	3	50
Bromoform			50.0	45.7		ug/kg		91	74 - 133	1	43
Bromomethane			50.0	46.6		ug/kg		93	50 - 150	6	46
2-Butanone			250	228		ug/kg		91	68 - 149	0.9	50
Carbon disulfide			50.0	48.2		ug/kg		96	80 - 132	3	48
Carbon Tetrachloride			50.0	54.9		ug/kg		110	70 - 138	3	44
Chlorobenzene			50.0	51.8		ug/kg		104	80 - 123	1	50
Chlorodibromomethane			50.0	51.1		ug/kg		102	80 - 127	0.5	48
Chloroethane			50.0	48.8		ug/kg		98	55 - 150	3	50
Chloroform			50.0	52.2		ug/kg		104	70 - 127	2	50
Chloromethane			50.0	30.7		ug/kg		61	36 - 137	6	44
Dibromomethane			50.0	50.3		ug/kg		101	78 - 128	1	50
1,2-Dichloroethane			50.0	49.6		ug/kg		99	70 - 139	3	50
1,1-Dichloroethane			50.0	47.9		ug/kg		96	71 - 126	2	50
1,1-Dichloroethene			50.0	47.5		ug/kg		95	70 - 125	2	50
trans-1,2-Dichloroethene			50.0	48.9		ug/kg		98	73 - 128	2	40
cis-1,2-Dichloroethene			50.0	49.6		ug/kg		99	75 - 126	1	50
1,2-Dichloropropane			50.0	50.5		ug/kg		101	75 - 120	3	50
trans-1,3-Dichloropropene			50.0	50.0		ug/kg		100	73 - 128	0.2	48
1,1-Dichloropropene			50.0	50.8		ug/kg		102	78 - 125	3	50
cis-1,3-Dichloropropene			50.0	60.2		ug/kg		120	74 - 136	1	50
Ethylbenzene			50.0	55.5		ug/kg		111	79 - 130	2	50
2-Hexanone			250	266		ug/kg		106	65 - 150	1	50
Methylene Chloride			50.0	50.0	B	ug/kg		100	69 - 140	4	50
4-Methyl-2-pentanone			250	265		ug/kg		106	67 - 147	3	45
Styrene			50.0	58.4		ug/kg		117	80 - 140	0.7	50
1,1,1,2-Tetrachloroethane			50.0	57.7		ug/kg		115	80 - 132	0.9	50
Tetrachloroethene			50.0	52.3		ug/kg		105	76 - 130	2	50
Toluene			50.0	52.8		ug/kg		106	76 - 126	2	50
1,1,1-Trichloroethane			50.0	52.3		ug/kg		105	70 - 132	3	41
1,1,2-Trichloroethane			50.0	52.7		ug/kg		105	73 - 133	0.4	50
Trichloroethene			50.0	51.2		ug/kg		102	79 - 129	3	50
Vinyl chloride			50.0	39.4		ug/kg		79	53 - 142	5	39
o-Xylene			50.0	57.4		ug/kg		115	80 - 131	0.3	50
m,p-Xylene			100	113		ug/kg		113	80 - 131	1	50
Xylenes, total			150	170		ug/kg		113	80 - 130	0.9	50

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*96*		*67 - 138*
Dibromofluoromethane	*101*		*75 - 125*
Toluene-d8	*103*		*76 - 129*
4-Bromofluorobenzene	*93*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5624-MS1
Matrix: Soil
Analysis Batch: U011054

Client Sample ID: HP-10 (10-12)
Prep Type: Total
Prep Batch: 11F5624_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	ND		464	478		mg/kg dry	☼	103	29 - 181
Benzene	ND		92.8	92.3		mg/kg dry	☼	99	42 - 141
Bromodichloromethane	ND		92.8	93.5		mg/kg dry	☼	101	32 - 155
Bromoform	ND		92.8	71.5		mg/kg dry	☼	77	10 - 155
Bromomethane	ND		92.8	13.5		mg/kg dry	☼	15	10 - 199
2-Butanone	ND		464	425		mg/kg dry	☼	92	38 - 161
Carbon disulfide	ND		92.8	77.6		mg/kg dry	☼	84	50 - 136
Carbon Tetrachloride	ND		92.8	95.2		mg/kg dry	☼	103	30 - 159
Chlorobenzene	ND		92.8	93.3		mg/kg dry	☼	100	25 - 151
Chlorodibromomethane	ND		92.8	83.2		mg/kg dry	☼	90	27 - 150
Chloroethane	ND		92.8	10.0	M8	mg/kg dry	☼	11	15 - 197
Chloroform	ND		92.8	91.8		mg/kg dry	☼	99	33 - 148
Chloromethane	ND		92.8	64.0		mg/kg dry	☼	69	10 - 166
Dibromomethane	ND		92.8	88.7		mg/kg dry	☼	96	30 - 149
1,2-Dichloroethane	ND		92.8	87.7		mg/kg dry	☼	94	32 - 155
1,1-Dichloroethane	ND		92.8	80.0		mg/kg dry	☼	86	51 - 135
1,1-Dichloroethene	ND		92.8	81.4		mg/kg dry	☼	88	46 - 141
trans-1,2-Dichloroethene	ND		92.8	82.6		mg/kg dry	☼	89	41 - 146
cis-1,2-Dichloroethene	ND		92.8	89.0		mg/kg dry	☼	96	32 - 150
1,2-Dichloropropane	ND		92.8	91.9		mg/kg dry	☼	99	34 - 139
trans-1,3-Dichloropropene	ND		92.8	86.2		mg/kg dry	☼	93	24 - 151
1,1-Dichloropropene	ND		92.8	96.0		mg/kg dry	☼	103	40 - 151
cis-1,3-Dichloropropene	ND		92.8	105		mg/kg dry	☼	113	23 - 152
Ethylbenzene	82.4		92.8	177		mg/kg dry	☼	102	21 - 165
2-Hexanone	ND		464	499		mg/kg dry	☼	107	13 - 174
Methylene Chloride	ND		92.8	87.9	B	mg/kg dry	☼	95	36 - 163
4-Methyl-2-pentanone	ND		464	491		mg/kg dry	☼	106	19 - 176
Styrene	ND		92.8	109		mg/kg dry	☼	118	10 - 177
1,1,1,2-Tetrachloroethane	ND		92.8	98.8		mg/kg dry	☼	106	31 - 150
Tetrachloroethene	ND		92.8	96.3		mg/kg dry	☼	104	33 - 155
Toluene	199		92.8	278		mg/kg dry	☼	85	45 - 145
1,1,1-Trichloroethane	ND		92.8	94.5		mg/kg dry	☼	102	39 - 148
1,1,2-Trichloroethane	ND		92.8	94.7		mg/kg dry	☼	102	43 - 145
Trichloroethene	ND		92.8	94.9		mg/kg dry	☼	102	39 - 150
Vinyl chloride	ND		92.8	80.2		mg/kg dry	☼	86	32 - 163
o-Xylene	124		92.8	220		mg/kg dry	☼	103	36 - 148
m,p-Xylene	314		186	473		mg/kg dry	☼	85	31 - 159
Xylenes, total	439		279	692		mg/kg dry	☼	91	31 - 159

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*94*		*67 - 138*
Dibromofluoromethane	*95*		*75 - 125*
Toluene-d8	*100*		*76 - 129*
4-Bromofluorobenzene	*95*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5624-MSD1
Matrix: Soil
Analysis Batch: U011054

Client Sample ID: HP-10 (10-12)
Prep Type: Total
Prep Batch: 11F5624_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	ND		464	524		mg/kg dry	☼	113	29 - 181	9	50
Benzene	ND		92.8	92.4		mg/kg dry	☼	100	42 - 141	0.2	50
Bromodichloromethane	ND		92.8	96.7		mg/kg dry	☼	104	32 - 155	3	50
Bromoform	ND		92.8	76.3		mg/kg dry	☼	82	10 - 155	7	43
Bromomethane	ND		92.8	12.9		mg/kg dry	☼	14	10 - 199	4	46
2-Butanone	ND		464	481		mg/kg dry	☼	104	38 - 161	12	50
Carbon disulfide	ND		92.8	76.2		mg/kg dry	☼	82	50 - 136	2	48
Carbon Tetrachloride	ND		92.8	97.7		mg/kg dry	☼	105	30 - 159	3	44
Chlorobenzene	ND		92.8	93.7		mg/kg dry	☼	101	25 - 151	0.4	50
Chlorodibromomethane	ND		92.8	86.2		mg/kg dry	☼	93	27 - 150	4	48
Chloroethane	ND		92.8	11.3	M8	mg/kg dry	☼	12	15 - 197	13	50
Chloroform	ND		92.8	92.9		mg/kg dry	☼	100	33 - 148	1	50
Chloromethane	ND		92.8	62.1		mg/kg dry	☼	67	10 - 166	3	44
Dibromomethane	ND		92.8	90.9		mg/kg dry	☼	98	30 - 149	2	50
1,2-Dichloroethane	ND		92.8	89.0		mg/kg dry	☼	96	32 - 155	1	50
1,1-Dichloroethane	ND		92.8	77.6		mg/kg dry	☼	84	51 - 135	3	50
1,1-Dichloroethene	ND		92.8	80.1		mg/kg dry	☼	86	46 - 141	2	50
trans-1,2-Dichloroethene	ND		92.8	80.0		mg/kg dry	☼	86	41 - 146	3	40
cis-1,2-Dichloroethene	ND		92.8	92.1		mg/kg dry	☼	99	32 - 150	3	50
1,2-Dichloropropane	ND		92.8	93.1		mg/kg dry	☼	100	34 - 139	1	50
trans-1,3-Dichloropropene	ND		92.8	88.2		mg/kg dry	☼	95	24 - 151	2	48
1,1-Dichloropropene	ND		92.8	95.9		mg/kg dry	☼	103	40 - 151	0.02	50
cis-1,3-Dichloropropene	ND		92.8	108		mg/kg dry	☼	116	23 - 152	2	50
Ethylbenzene	82.4		92.8	175		mg/kg dry	☼	100	21 - 165	1	50
2-Hexanone	ND		464	548		mg/kg dry	☼	118	13 - 174	9	50
Methylene Chloride	ND		92.8	84.6	B	mg/kg dry	☼	91	36 - 163	4	50
4-Methyl-2-pentanone	ND		464	523		mg/kg dry	☼	113	19 - 176	6	45
Styrene	ND		92.8	109		mg/kg dry	☼	118	10 - 177	0.03	50
1,1,1,2-Tetrachloroethane	ND		92.8	100		mg/kg dry	☼	108	31 - 150	1	50
Tetrachloroethene	ND		92.8	95.6		mg/kg dry	☼	103	33 - 155	0.7	50
Toluene	199		92.8	273		mg/kg dry	☼	80	45 - 145	2	50
1,1,1-Trichloroethane	ND		92.8	96.5		mg/kg dry	☼	104	39 - 148	2	41
1,1,2-Trichloroethane	ND		92.8	97.1		mg/kg dry	☼	105	43 - 145	3	50
Trichloroethene	ND		92.8	95.4		mg/kg dry	☼	103	39 - 150	0.5	50
Vinyl chloride	ND		92.8	78.5		mg/kg dry	☼	84	32 - 163	2	39
o-Xylene	124		92.8	217		mg/kg dry	☼	100	36 - 148	1	50
m,p-Xylene	314		186	463		mg/kg dry	☼	80	31 - 159	2	50
Xylenes, total	439		279	680		mg/kg dry	☼	87	31 - 159	2	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*97*		*67 - 138*
Dibromofluoromethane	*96*		*75 - 125*
Toluene-d8	*100*		*76 - 129*
4-Bromofluorobenzene	*96*		*67 - 147*

Method: SW846 9060M - General Chemistry Parameters

Lab Sample ID: 11F4425-BLK1 — **Client Sample ID: Method Blank**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F4425 — **Prep Batch: 11F4425_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	734	J	1000	630	mg/kg wet		06/17/11 09:04	06/20/11 09:39	1.00

Lab Sample ID: 11F4425-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F4425 — **Prep Batch: 11F4425_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Total Organic Carbon			29900	31000	B	mg/kg wet		104	80 - 120		

Lab Sample ID: 11F4425-DUP1 — **Client Sample ID: Duplicate**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F4425 — **Prep Batch: 11F4425_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	765			878	J B	mg/kg dry	☼			14	35

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11F5258-DUP1 — **Client Sample ID: HP-10 (10-12)**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F5258 — **Prep Batch: 11F5258_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	85.5			86.5		%				1	20

Lab Sample ID: 11F5356-DUP1 — **Client Sample ID: HP-13 (3-4)**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F5356 — **Prep Batch: 11F5356_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	78.6			79.3		%				1	20

Lab Sample ID: 11F5916-DUP1 — **Client Sample ID: HP-12 (4-5)**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F5916 — **Prep Batch: 11F5916_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	89.6			89.8		%				0.2	20

QC Association Summary

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

GCMS Volatiles

Analysis Batch: U011023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5534-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11F5534_P
11F5534-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11F5534_P
11F5534-BLK1	Method Blank	Total	Soil	SW846 8260B	11F5534_P
NUF2655-14	Trip Blank	Total	Soil	SW846 8260B	11F5534_P
NUF2655-01	HP-13 (3-4)	Total	Soil	SW846 8260B	11F5534_P
NUF2655-02	HP-13 (5-6)	Total	Soil	SW846 8260B	11F5534_P
NUF2655-03	BD-06-15-11-A	Total	Soil	SW846 8260B	11F5534_P
NUF2655-04	HP-12 (4-5)	Total	Soil	SW846 8260B	11F5534_P
NUF2655-05	HP-12 (10-11)	Total	Soil	SW846 8260B	11F5534_P
NUF2655-06	HP-11 (4-5)	Total	Soil	SW846 8260B	11F5534_P
NUF2655-07	HP-11 (6-7)	Total	Soil	SW846 8260B	11F5534_P
NUF2655-08	HP-11 (12-13)	Total	Soil	SW846 8260B	11F5534_P
NUF2655-09	HP-10 (4-5)	Total	Soil	SW846 8260B	11F5534_P
NUF2655-10	HP-10 (10-12)	Total	Soil	SW846 8260B	11F5534_P
NUF2655-12	HP-09 (3-4)	Total	Soil	SW846 8260B	11F5534_P
NUF2655-13	HP-09 (8-9)	Total	Soil	SW846 8260B	11F5534_P
11F5534-MS1	HP-10 (10-12)	Total	Soil	SW846 8260B	11F5534_P
11F5534-MSD1	HP-10 (10-12)	Total	Soil	SW846 8260B	11F5534_P

Analysis Batch: U011054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5624-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11F5624_P
11F5624-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11F5624_P
11F5624-BLK1	Method Blank	Total	Soil	SW846 8260B	11F5624_P
NUF2655-11 - RE1	HP-09 (1-2)	Total	Soil	SW846 8260B	11F5624_P
NUF2655-10 - RE1	HP-10 (10-12)	Total	Soil	SW846 8260B	11F5624_P
11F5624-MS1	HP-10 (10-12)	Total	Soil	SW846 8260B	11F5624_P
11F5624-MSD1	HP-10 (10-12)	Total	Soil	SW846 8260B	11F5624_P

Prep Batch: 11F5534_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5534-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11F5534-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11F5534-BLK1	Method Blank	Total	Soil	EPA 5035	
NUF2655-14	Trip Blank	Total	Soil	EPA 5035	
NUF2655-01	HP-13 (3-4)	Total	Soil	EPA 5035	
NUF2655-02	HP-13 (5-6)	Total	Soil	EPA 5035	
NUF2655-03	BD-06-15-11-A	Total	Soil	EPA 5035	
NUF2655-04	HP-12 (4-5)	Total	Soil	EPA 5035	
NUF2655-05	HP-12 (10-11)	Total	Soil	EPA 5035	
NUF2655-06	HP-11 (4-5)	Total	Soil	EPA 5035	
NUF2655-07	HP-11 (6-7)	Total	Soil	EPA 5035	
NUF2655-08	HP-11 (12-13)	Total	Soil	EPA 5035	
NUF2655-09	HP-10 (4-5)	Total	Soil	EPA 5035	
NUF2655-10	HP-10 (10-12)	Total	Soil	EPA 5035	
NUF2655-12	HP-09 (3-4)	Total	Soil	EPA 5035	
NUF2655-13	HP-09 (8-9)	Total	Soil	EPA 5035	
11F5534-MS1	HP-10 (10-12)	Total	Soil	EPA 5035	
11F5534-MSD1	HP-10 (10-12)	Total	Soil	EPA 5035	

GCMS Volatiles (Continued)

Prep Batch: 11F5624_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5624-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11F5624-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11F5624-BLK1	Method Blank	Total	Soil	EPA 5035	
NUF2655-11 - RE1	HP-09 (1-2)	Total	Soil	EPA 5035	
NUF2655-10 - RE1	HP-10 (10-12)	Total	Soil	EPA 5035	
11F5624-MS1	HP-10 (10-12)	Total	Soil	EPA 5035	
11F5624-MSD1	HP-10 (10-12)	Total	Soil	EPA 5035	

WetChem

Analysis Batch: 11F4425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F4425-BLK1	Method Blank	Total	Soil	SW846 9060M	11F4425_P
11F4425-BS1	Lab Control Sample	Total	Soil	SW846 9060M	11F4425_P
11F4425-DUP1	Duplicate	Total	Soil	SW846 9060M	11F4425_P
NUF2655-08	HP-11 (12-13)	Total	Soil	SW846 9060M	11F4425_P
NUF2655-10	HP-10 (10-12)	Total	Soil	SW846 9060M	11F4425_P

Prep Batch: 11F4425_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F4425-BLK1	Method Blank	Total	Soil	NO PREP	
11F4425-BS1	Lab Control Sample	Total	Soil	NO PREP	
11F4425-DUP1	Duplicate	Total	Soil	NO PREP	
NUF2655-08	HP-11 (12-13)	Total	Soil	NO PREP	
NUF2655-10	HP-10 (10-12)	Total	Soil	NO PREP	

Project Management

Analysis Batch: 11F6833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUF2655-02	HP-13 (5-6)	Total	Soil	subcontract	11F6833_P
NUF2655-03	BD-06-15-11-A	Total	Soil	subcontract	11F6833_P
NUF2655-04	HP-12 (4-5)	Total	Soil	subcontract	11F6833_P
NUF2655-05	HP-12 (10-11)	Total	Soil	subcontract	11F6833_P
NUF2655-07	HP-11 (6-7)	Total	Soil	subcontract	11F6833_P
NUF2655-08	HP-11 (12-13)	Total	Soil	subcontract	11F6833_P
NUF2655-10	HP-10 (10-12)	Total	Soil	subcontract	11F6833_P
NUF2655-13	HP-09 (8-9)	Total	Soil	subcontract	11F6833_P

Prep Batch: 11F6833_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUF2655-02	HP-13 (5-6)	Total	Soil	*** DEFAULT PREP ***	
NUF2655-03	BD-06-15-11-A	Total	Soil	*** DEFAULT PREP ***	
NUF2655-04	HP-12 (4-5)	Total	Soil	*** DEFAULT PREP ***	
NUF2655-05	HP-12 (10-11)	Total	Soil	*** DEFAULT PREP ***	
NUF2655-07	HP-11 (6-7)	Total	Soil	*** DEFAULT PREP ***	
NUF2655-08	HP-11 (12-13)	Total	Soil	*** DEFAULT PREP ***	

Project Management (Continued)

Prep Batch: 11F6833_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUF2655-10	HP-10 (10-12)	Total	Soil	*** DEFAULT PREP ***	
NUF2655-13	HP-09 (8-9)	Total	Soil	*** DEFAULT PREP ***	

Extractions

Analysis Batch: 11F5258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5258-DUP1	HP-10 (10-12)	Total	Soil	SW-846	11F5258_P
NUF2655-09	HP-10 (4-5)	Total	Soil	SW-846	11F5258_P
NUF2655-10	HP-10 (10-12)	Total	Soil	SW-846	11F5258_P
NUF2655-11	HP-09 (1-2)	Total	Soil	SW-846	11F5258_P
NUF2655-12	HP-09 (3-4)	Total	Soil	SW-846	11F5258_P
NUF2655-13	HP-09 (8-9)	Total	Soil	SW-846	11F5258_P

Analysis Batch: 11F5356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5356-DUP1	HP-13 (3-4)	Total	Soil	SW-846	11F5356_P
NUF2655-01	HP-13 (3-4)	Total	Soil	SW-846	11F5356_P
NUF2655-02	HP-13 (5-6)	Total	Soil	SW-846	11F5356_P
NUF2655-03	BD-06-15-11-A	Total	Soil	SW-846	11F5356_P
NUF2655-05	HP-12 (10-11)	Total	Soil	SW-846	11F5356_P
NUF2655-06	HP-11 (4-5)	Total	Soil	SW-846	11F5356_P
NUF2655-07	HP-11 (6-7)	Total	Soil	SW-846	11F5356_P
NUF2655-08	HP-11 (12-13)	Total	Soil	SW-846	11F5356_P

Analysis Batch: 11F5916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5916-DUP1	HP-12 (4-5)	Total	Soil	SW-846	11F5916_P
NUF2655-04	HP-12 (4-5)	Total	Soil	SW-846	11F5916_P

Prep Batch: 11F5258_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5258-DUP1	HP-10 (10-12)	Total	Soil	% Solids	
NUF2655-09	HP-10 (4-5)	Total	Soil	% Solids	
NUF2655-10	HP-10 (10-12)	Total	Soil	% Solids	
NUF2655-11	HP-09 (1-2)	Total	Soil	% Solids	
NUF2655-12	HP-09 (3-4)	Total	Soil	% Solids	
NUF2655-13	HP-09 (8-9)	Total	Soil	% Solids	

Prep Batch: 11F5356_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5356-DUP1	HP-13 (3-4)	Total	Soil	% Solids	
NUF2655-01	HP-13 (3-4)	Total	Soil	% Solids	
NUF2655-02	HP-13 (5-6)	Total	Soil	% Solids	
NUF2655-03	BD-06-15-11-A	Total	Soil	% Solids	
NUF2655-05	HP-12 (10-11)	Total	Soil	% Solids	
NUF2655-06	HP-11 (4-5)	Total	Soil	% Solids	
NUF2655-07	HP-11 (6-7)	Total	Soil	% Solids	
NUF2655-08	HP-11 (12-13)	Total	Soil	% Solids	

Extractions (Continued)

Prep Batch: 11F5916_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5916-DUP1	HP-12 (4-5)	Total	Soil	% Solids	
NUF2655-04	HP-12 (4-5)	Total	Soil	% Solids	

Lab Chronicle

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

Client Sample ID: HP-13 (3-4)

Lab Sample ID: NUF2655-01

Date Collected: 06/15/11 08:19
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.83	11F5534_P	06/15/11 08:19	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 17:11	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5356_P	06/21/11 16:13	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5356	06/22/11 08:35	RRS	TAL NSH

Client Sample ID: HP-13 (5-6)

Lab Sample ID: NUF2655-02

Date Collected: 06/15/11 08:45
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.54	11F5534_P	06/15/11 08:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 17:39	EML	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5356_P	06/21/11 16:13	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5356	06/22/11 08:35	RRS	TAL NSH

Client Sample ID: BD-06-15-11-A

Lab Sample ID: NUF2655-03

Date Collected: 06/15/11 00:01
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.57	11F5534_P	06/15/11 00:01	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 18:07	EML	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5356_P	06/21/11 16:13	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5356	06/22/11 08:35	RRS	TAL NSH

Client Sample ID: HP-12 (4-5)

Lab Sample ID: NUF2655-04

Date Collected: 06/15/11 09:08
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.71	11F5534_P	06/15/11 09:08	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 18:34	EML	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5916_P	06/23/11 13:03	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5916	06/23/11 15:38	RRS	TAL NSH

Lab Chronicle

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

Client Sample ID: HP-12 (10-11)

Lab Sample ID: NUF2655-05
Date Collected: 06/15/11 09:22
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.55	11F5534_P	06/15/11 09:22	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 19:02	EML	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5356_P	06/21/11 16:13	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5356	06/22/11 08:35	RRS	TAL NSH

Client Sample ID: HP-11 (4-5)

Lab Sample ID: NUF2655-06
Date Collected: 06/15/11 09:36
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 93

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.36	11F5534_P	06/15/11 09:36	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 19:30	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5356_P	06/21/11 16:13	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5356	06/22/11 08:35	RRS	TAL NSH

Client Sample ID: HP-11 (6-7)

Lab Sample ID: NUF2655-07
Date Collected: 06/15/11 09:50
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.53	11F5534_P	06/15/11 09:50	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 19:57	EML	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5356_P	06/21/11 16:13	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5356	06/22/11 08:35	RRS	TAL NSH

Client Sample ID: HP-11 (12-13)

Lab Sample ID: NUF2655-08
Date Collected: 06/15/11 09:55
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 85

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.59	11F5534_P	06/15/11 09:55	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 20:25	EML	TAL NSH
Total	Prep	NO PREP		1.00	11F4425_P	06/17/11 09:04	SHJ	TAL NSH
Total	Analysis	SW846 9060M		1.00	11F4425	06/20/11 14:09	SHJ	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5356_P	06/21/11 16:13	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5356	06/22/11 08:35	RRS	TAL NSH

Client Sample ID: HP-10 (4-5)

Lab Sample ID: NUF2655-09

Date Collected: 06/15/11 10:10
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.91	11F5534_P	06/15/11 10:10	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 20:52	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5258_P	06/22/11 10:51	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5258	06/23/11 10:07	RRS	TAL NSH

Client Sample ID: HP-10 (10-12)

Lab Sample ID: NUF2655-10

Date Collected: 06/15/11 10:30
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.59	11F5534_P	06/15/11 10:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 21:20	EML	TAL NSH
Total	Prep	EPA 5035	RE1	1.59	11F5624_P	06/15/11 10:30	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	1000	U011054	06/22/11 06:32	EML	TAL NSH
Total	Prep	NO PREP		1.00	11F4425_P	06/17/11 09:04	SHJ	TAL NSH
Total	Analysis	SW846 9060M		1.00	11F4425	06/20/11 14:09	SHJ	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5258_P	06/22/11 10:51	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5258	06/23/11 10:07	RRS	TAL NSH

Client Sample ID: HP-09 (1-2)

Lab Sample ID: NUF2655-11

Date Collected: 06/15/11 10:55
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	1.85	11F5624_P	06/15/11 10:55	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U011054	06/22/11 03:15	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5258_P	06/22/11 10:51	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5258	06/23/11 10:07	RRS	TAL NSH

Client Sample ID: HP-09 (3-4)

Lab Sample ID: NUF2655-12

Date Collected: 06/15/11 11:00
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.78	11F5534_P	06/15/11 11:00	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 22:15	EML	TAL NSH
Total	Prep	% Solids		1.00	11F5258_P	06/22/11 10:51	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5258	06/23/11 10:07	RRS	TAL NSH

Lab Chronicle

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

Client Sample ID: HP-09 (8-9)

Lab Sample ID: NUF2655-13

Date Collected: 06/15/11 11:05
Matrix: Soil
Date Received: 06/16/11 08:45
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.72	11F5534_P	06/15/11 11:05	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 22:43	EML	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5258_P	06/22/11 10:51	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5258	06/23/11 10:07	RRS	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: NUF2655-14

Date Collected: 06/15/11 00:01
Matrix: Soil
Date Received: 06/16/11 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.00	11F5534_P	06/15/11 00:01	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011023	06/18/11 16:16	EML	TAL NSH

Laboratory References:
TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 9060M	General Chemistry Parameters		TAL NSH
subcontract	Subcontracted Analysis		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2655

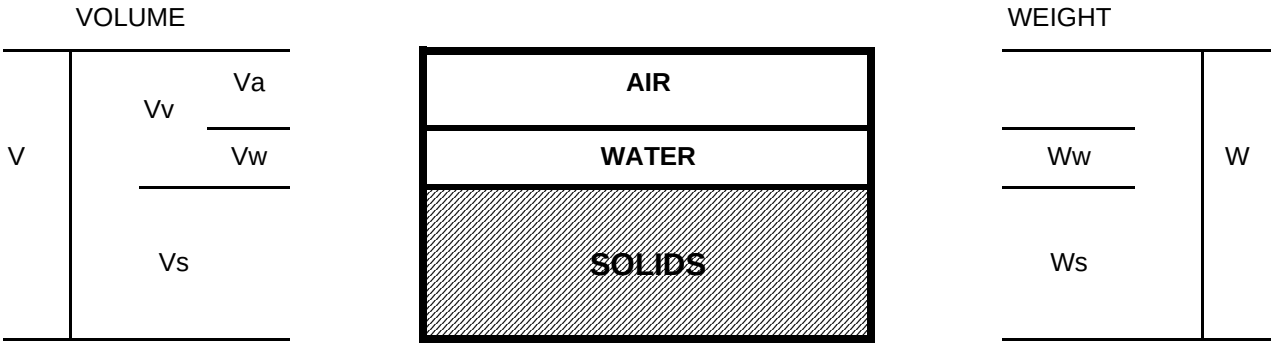
Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	Nevada	State Program	9	TN00032
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

BEAVER ENGINEERING, INC.

7378 COCKRILL BEND BLVD
NASHVILLE, TN 37209
615-350-8124
e-mail: DATA@BEAVERENGINEERING.COM

DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



Va = VOLUMETRIC AIR, Volume of Air
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Vv = Volume of voids

W = TOTAL SAMPLE WEIGHT
Ww = Weight of Water
Ws = Weight of Soilds

POROSITY = Ratio of volume of voids to the total volume (V) of a given mass, Vv / V

SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6284**		
PROJECT	**TEST AMERICA NUF 2655**		
LOCATION OF SAMPLE	**NUF 2655-02**	**LAB ID**	**J 3760**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**113.8**	pcf.
		1.81	g soil/cm3 soil
SOIL BULK DRY DENSITY		**101.3**	pcf.
		1.61	g soil/cm3 soil

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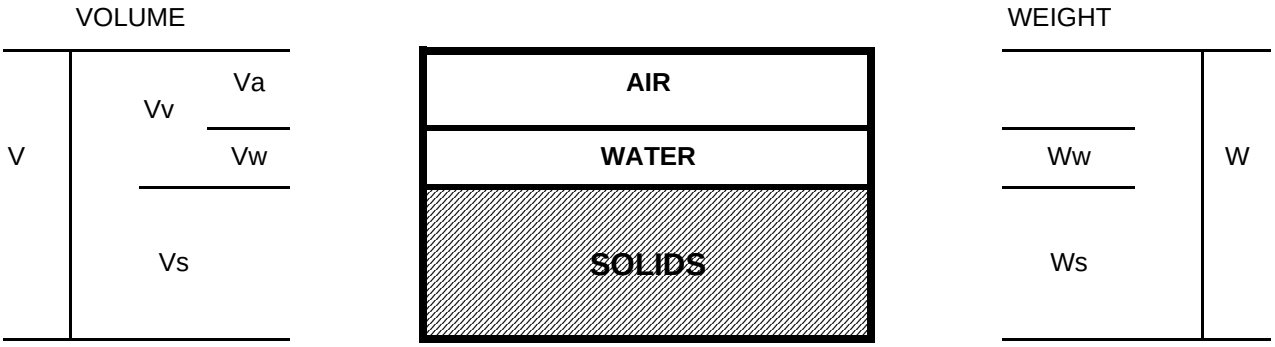

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6284**		
PROJECT	**TEST AMERICA NUF 2655**		
LOCATION OF SAMPLE	**NUF 2655-03**	**LAB ID**	**J 3761**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**125.5**	pcf.
		1.99	g soil/cm3 soil
SOIL BULK DRY DENSITY		**109.5**	pcf.
		1.74	g soil/cm3 soil

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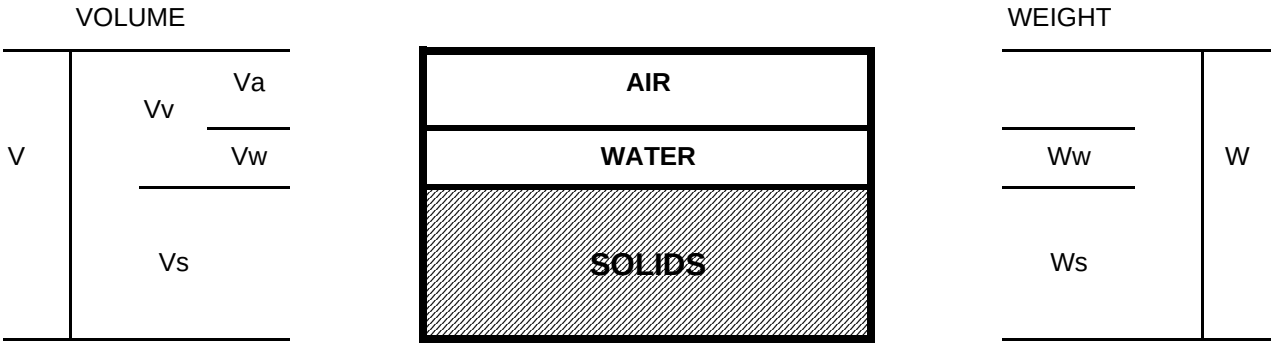

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6284**		
PROJECT	**TEST AMERICA NUF 2655**		
LOCATION OF SAMPLE	**NUF 2655-04**	**LAB ID**	**J 3762**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**99.0** pcf.	
		1.57 g soil/cm3 soil	
SOIL BULK DRY DENSITY		**90.1** pcf.	
		1.43 g soil/cm3 soil	

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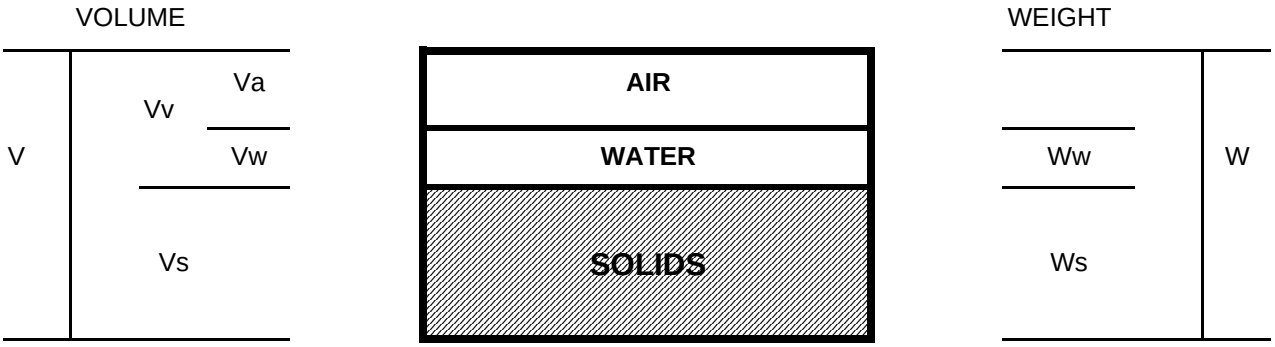

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6284**		
PROJECT	**TEST AMERICA**		
	NUF 2655		
LOCATION OF SAMPLE	**NUF 2655-05**	**LAB ID**	**J 3763**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**YELLOWISH BROWN**		
SOIL WET DENSITY		**126.4**	pcf.
		2.01	g soil/cm3 soil
SOIL BULK DRY DENSITY		**110.7**	pcf.
		1.76	g soil/cm3 soil

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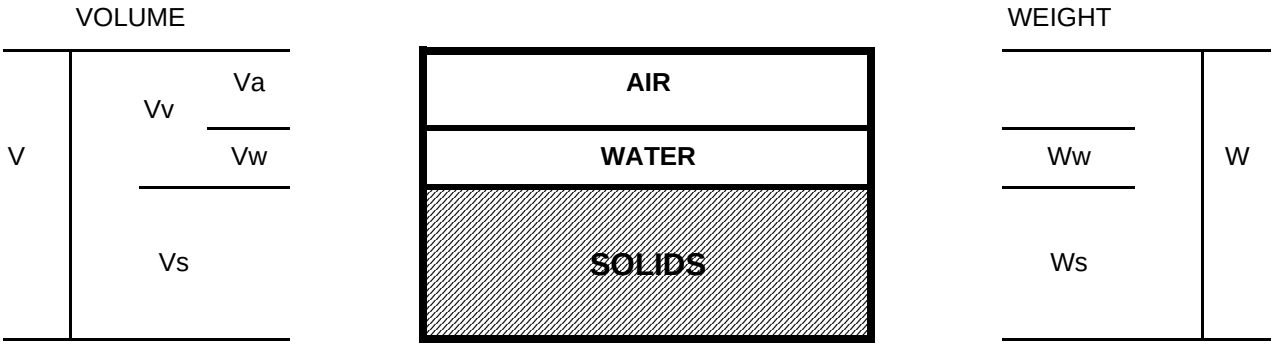
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6284**		
PROJECT	**TEST AMERICA NUF 2655**		
LOCATION OF SAMPLE	**NUF 2655-07**	**LAB ID**	**J 3764**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**YELLOWISH BROWN**		
SOIL WET DENSITY		**141.0**	pcf.
		2.24	g soil/cm3 soil
SOIL BULK DRY DENSITY		**120.5**	pcf.
		1.91	g soil/cm3 soil

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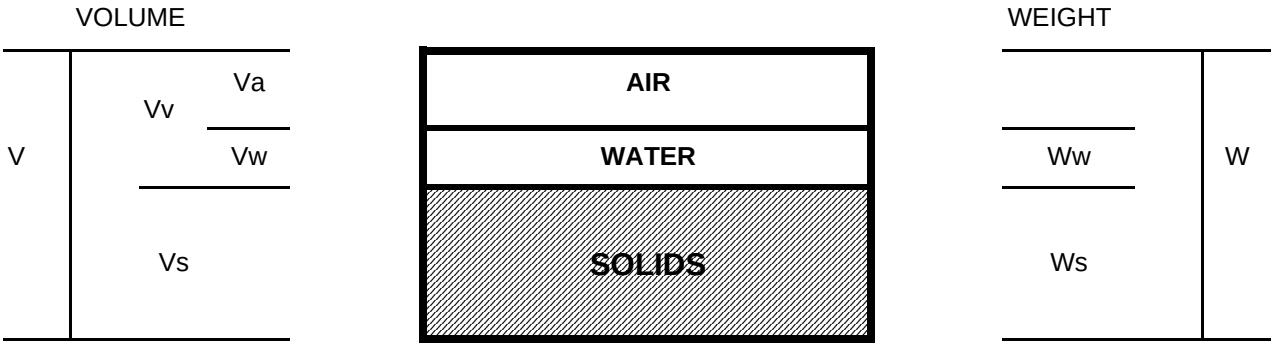

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6284**		
PROJECT	**TEST AMERICA NUF 2655**		
LOCATION OF SAMPLE	**NUF 2655-08**	**LAB ID**	**J 3765**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**YELLOWISH BROWN**		
SOIL WET DENSITY		**136.7**	pcf.
		2.17	g soil/cm3 soil
SOIL BULK DRY DENSITY		**122.3**	pcf.
		1.94	g soil/cm3 soil

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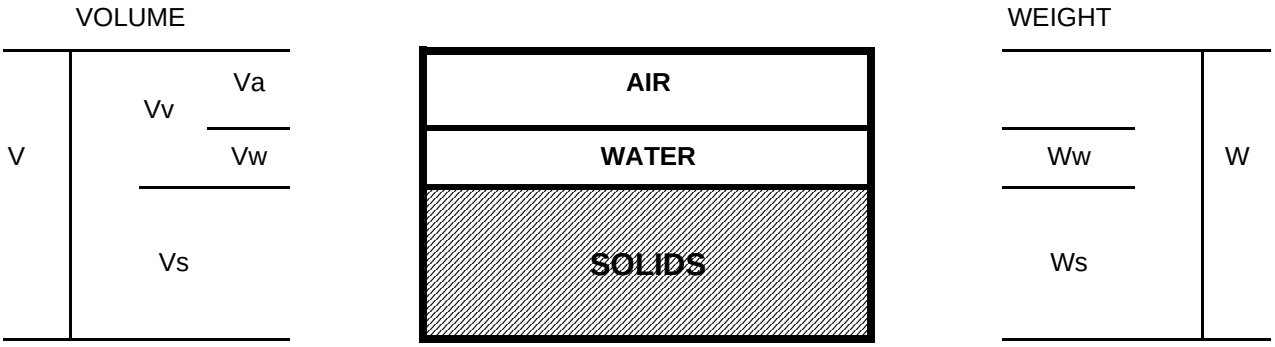

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6284**		
PROJECT	**TEST AMERICA NUF 2655**		
LOCATION OF SAMPLE	**NUF 2655-13**	**LAB ID**	**J 3767**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**109.1**	pcf.
		1.73	g soil/cm3 soil
SOIL BULK DRY DENSITY		**100.4**	pcf.
		1.59	g soil/cm3 soil

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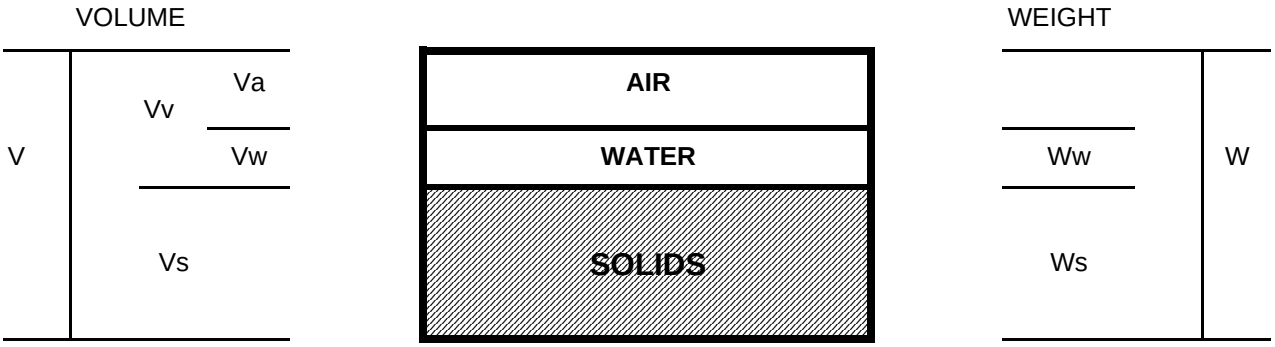

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6284**		
PROJECT	**TEST AMERICA NUF 2655**		
LOCATION OF SAMPLE	**NUF 2655-10**	**LAB ID**	**J 3766**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**131.3**	pcf.
		2.08	g soil/cm3 soil
SOIL BULK DRY DENSITY		**115.0**	pcf.
		1.83	g soil/cm3 soil

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECE

NUF2655

Cooler Received/Opened On 6/16/2011 @ 08:45

1. Tracking # 0363 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 5.6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES..NO...NA

   If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) G

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

   b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES..NO Was a PIPE generated? YES..NO..#_____

BIS = Broken in shipment

Cooler Receipt Form.doc

LF-1

End of Form

Revised 6/24/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404
","Reg District (CA)")

NUF2655
06/27/11 23:59

Client: Arcadis (Chelmsford) / FORD
Address: 2 Executive Drive, Suite 303
City, State, Zip: Chelmsford MA 01824
Client Invoice Contact: Accounts Payable
Client Project Mgr: Debra Stake
Client Telephone#: (978) 937-9999 Fax: (978) 937-7555
Sampler Name (Print) Ken Scully, Ian Martz
SamplerSignature: [signature], [signature]

TA Account #: 1425266 PO #: MA000725.0005.00107
Invoice to: Arcadis (Chelmsford) / FORD
Report to: Julie Santaniello
Project Name: Tibbetts Road Site
Facility ID: E101274
Reg District (CA):
Site Address: 23 Tibbetts Rd
City,State,Zip: Barrington, NH New Hampshire

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B NH Full list	Solids Percent Dry Weight	Subcontract - Bulk Density	TOC Solid	MS/MSD										RUSH TAT (Pre Schedule)*
HP-13 (3-4)	6/15/11	8:19am	3	X			X							X					X		X		X									NUF2655-	01		
HP-13 (5-6)	6/15/11	8:45am	4	X			X							X					X		X	X	X										02		
BD-06-15-11-A	6/15/11	—	4	X			X							X					X		X	X	X										03		
HP-12 (4-5)	6/15/11	9:03am	3	X			X							X					X		X	X	X										04		
HP-12 (10-11)	6/15/11	9:22am	4	X			X							X					X		X	X	X										05		
HP-11 (4-5)	6/15/11	9:36am	3	X			X							X					X		X												06		
HP-11 (6-7)	6/15/11	9:50am	4	X			X							X					X		X	X	X										07		
HP-11 (12-13)	6/15/11	9:55am	5	X			X							X					X		X	X	X	X									08		
HP-10 (4-5)	6/15/11	10:10	3	X			X							X					X		X												09		
HP-10 (10-12)	6/15/11	10:30	15	X			X							X					X		X	X	X	X	X								10		

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments;additional charges may be assessed.
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO# 23977
MS/MSD collected for HP-10 (10-12) sample

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
[signature]	6/15/11	1300						

Shipped Via:			Shipped Via:		QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report:
Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt: 5.0c	Sample Containers Intact? Y N VOCs Free of Headspace? Y N		
[signature]	6/16/11	0845				

06/27/2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404
',"Reg District (CA)")

NUF2655
06/27/11 23:59

Client: Arcadis (Chelmsford) / FORD
Address: 2 Executive Drive, Suite 303
City, State, Zip: Chelmsford MA 01824
Client Invoice Contact: Accounts Payable
Client Project Mgr: Debra Stake
Client Telephone#: (978) 937-9999 Fax: (978) 937-7555
Sampler Name (Print) Ian Martz, Ken Scully
SamplerSignature:

TA Account #: 1425266 PO #: MA000725.0005.00107
Invoice to: Arcadis (Chelmsford) / FORD
Report to: Julie Santaniello
Project Name: Tibbetts Road Site
Facility ID: E101274
Reg District (CA):
Site Address: 23 Tibbetts Rd
City,State,Zip: Barrington, NH New Hampshire

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B NH Full list	Solids Percent Dry Weight	Subcontract - Bulk Density	TOC Solid											RUSH TAT (Pre Schedule)*
HP-09 (1-2)	6/15/11	1055	3	X			X							X					X		X										2655-		11		
HP-09 (~~1-5~~) (3-4)	6/15/11	1100	3	X			X							X					X		X												12		
HP-09 (8-9)	6/15/11	1105	4	X			X							X					X		X	X	X										13		
Trip Blank	~~6/2~~	—	1	X			X													X	X												14		

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There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: *BO # 23977*

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
	6/15/11	1300						

Shipped Via:			Shipped Via:		QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report:
Received for TestAmerica by:	Date: 6-16-11	Time: 0845	Temperature Upon Receipt: 5.0c	Sample Containers Intact? Y N VOCs Free of Headspace? Y N		

06/27/2011

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NUF2999
Client Project/Site: E101274
Client Project Description: Tibbetts Road Site

For:
Arcadis (Chelmsford) / FORD
2 Executive Drive, Suite 303
Chelmsford, MA 01824

Attn: Julie Santaniello

Authorized for release by:
06/28/2011 04:58:07 PM

Shali Brown
Project Manager
shali.brown@testamericainc.com

LINKS

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Have a Question? Ask The Expert

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Method Summary 62
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Subcontract Data 64
Chain of Custody 75

Sample Summary

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUF2999-01	HP-08 (3-4)	Soil	06/16/11 08:24	06/17/11 08:45
NUF2999-02	HP-08 (12-13)	Soil	06/16/11 08:42	06/17/11 08:45
NUF2999-03	BD-061611-A	Soil	06/16/11 00:01	06/17/11 08:45
NUF2999-04	HP-04 (5-6)	Soil	06/16/11 09:22	06/17/11 08:45
NUF2999-05	HP-04 (7-8)	Soil	06/16/11 11:12	06/17/11 08:45
NUF2999-06	HP-03 (6-7)	Soil	06/16/11 11:52	06/17/11 08:45
NUF2999-07	HP-03 (12-13)	Soil	06/16/11 12:10	06/17/11 08:45
NUF2999-08	HP-02 (6-7)	Soil	06/16/11 13:06	06/17/11 08:45
NUF2999-09	HP-02 (11-12)	Soil	06/16/11 13:20	06/17/11 08:45
NUF2999-10	HP-01 (6-7)	Soil	06/16/11 13:51	06/17/11 08:45
NUF2999-11	HP-01 (10-11)	Soil	06/16/11 13:55	06/17/11 08:45
NUF2999-12	HP-17A (5-6)	Soil	06/16/11 14:10	06/17/11 08:45
NUF2999-13	HP-17A (10-11)	Soil	06/16/11 14:20	06/17/11 08:45
NUF2999-14	BD-061611-B	Soil	06/16/11 00:01	06/17/11 08:45
NUF2999-15	HP-07 (3-5)	Soil	06/16/11 14:55	06/17/11 08:45
NUF2999-16	HP-07 (10-11)	Soil	06/16/11 15:00	06/17/11 08:45
NUF2999-17	HP-06 (5-6)	Soil	06/16/11 15:15	06/17/11 08:45
NUF2999-18	HP-06 (13-14)	Soil	06/16/11 15:20	06/17/11 08:45
NUF2999-19	HP-05 (3-4)	Soil	06/16/11 15:32	06/17/11 08:45
NUF2999-20	HP-05 (10-11)	Soil	06/16/11 15:40	06/17/11 08:45

Job ID: NUF2999

Laboratory: TestAmerica Nashville

Narrative

Samples requiring bulk density analysis were subcontracted to Beaver Engineering Inc. Beaver is a non-FORD lab and their use for this project was approved by John Phillips.

NELAC Certification

NELAC certifications are not held for the following analytes included in this report:

Method	Matrix	Analyte
SW-846	Soil	% Dry Solids

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
B	Analyte was detected in the associated Method Blank.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
R2	The RPD exceeded the acceptance limit.
RL1	Reporting limit raised due to sample matrix effects.

WetChem

Qualifier	Qualifier Description
B	Analyte was detected in the associated Method Blank.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-08 (3-4)

Date Collected: 06/16/11 08:24
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-01

Matrix: Soil
Percent Solids: 91.3

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.24	2.62	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Benzene	ND		0.105	0.0283	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Bromodichloromethane	ND		0.105	0.0387	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Bromoform	ND		0.105	0.0230	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Bromomethane	ND		0.105	0.0492	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
2-Butanone	ND		1.05	0.178	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Carbon disulfide	**0.0356**	**J**	0.105	0.0304	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Carbon Tetrachloride	ND		0.105	0.0283	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Chlorobenzene	ND		0.105	0.0398	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Chlorodibromomethane	ND		0.105	0.0314	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Chloroethane	ND		0.105	0.0429	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Chloroform	ND		0.105	0.0492	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Chloromethane	ND		0.105	0.0188	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Dibromomethane	ND		0.105	0.0450	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
1,2-Dichloroethane	ND		0.105	0.0398	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
1,1-Dichloroethane	ND		0.105	0.0335	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
1,1-Dichloroethene	ND		0.105	0.0377	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
trans-1,2-Dichloroethene	ND		0.105	0.0377	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
cis-1,2-Dichloroethene	ND		0.105	0.0398	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
1,2-Dichloropropane	ND		0.105	0.0346	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
trans-1,3-Dichloropropene	ND		0.105	0.0168	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
1,1-Dichloropropene	ND		0.105	0.0314	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
cis-1,3-Dichloropropene	ND		0.105	0.0199	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Ethylbenzene	ND		0.105	0.0335	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
2-Hexanone	ND		5.24	0.230	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Methylene Chloride	**0.0513**	**B J**	0.209	0.0157	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
4-Methyl-2-pentanone	ND		1.05	0.168	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Styrene	ND		0.105	0.0230	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
1,1,1,2-Tetrachloroethane	ND		0.105	0.0230	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Tetrachloroethene	ND		0.105	0.0230	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Toluene	ND		0.105	0.0346	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
1,1,1-Trichloroethane	ND		0.105	0.0367	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
1,1,2-Trichloroethane	ND		0.105	0.0398	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Trichloroethene	ND		0.105	0.0387	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Vinyl chloride	ND		0.105	0.0377	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
o-Xylene	ND		0.105	0.0314	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
m,p-Xylene	ND		0.209	0.0597	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0
Xylenes, total	ND		0.209	0.0911	mg/kg dry	☼	06/16/11 08:24	06/22/11 19:00	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/16/11 08:24*	*06/22/11 19:00*	*50.0*
Dibromofluoromethane	*94*		*75 - 125*	*06/16/11 08:24*	*06/22/11 19:00*	*50.0*
Toluene-d8	*99*		*76 - 129*	*06/16/11 08:24*	*06/22/11 19:00*	*50.0*
4-Bromofluorobenzene	*107*		*67 - 147*	*06/16/11 08:24*	*06/22/11 19:00*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.3**		0.500	0.500	%		06/24/11 09:02	06/24/11 12:48	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-08 (12-13)

Date Collected: 06/16/11 08:42
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-02

Matrix: Soil
Percent Solids: 91.1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.22	2.11	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Benzene	ND		0.0844	0.0228	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Bromodichloromethane	ND		0.0844	0.0312	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Bromoform	ND		0.0844	0.0186	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Bromomethane	ND		0.0844	0.0397	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
2-Butanone	ND		0.844	0.144	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Carbon disulfide	ND		0.0844	0.0245	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Carbon Tetrachloride	ND		0.0844	0.0228	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Chlorobenzene	ND		0.0844	0.0321	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Chlorodibromomethane	ND		0.0844	0.0253	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Chloroethane	ND		0.0844	0.0346	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Chloroform	ND		0.0844	0.0397	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Chloromethane	ND		0.0844	0.0152	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Dibromomethane	ND		0.0844	0.0363	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
1,2-Dichloroethane	ND		0.0844	0.0321	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
1,1-Dichloroethane	ND		0.0844	0.0270	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
1,1-Dichloroethene	ND		0.0844	0.0304	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
trans-1,2-Dichloroethene	ND		0.0844	0.0304	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
cis-1,2-Dichloroethene	ND		0.0844	0.0321	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
1,2-Dichloropropane	ND		0.0844	0.0279	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
trans-1,3-Dichloropropene	ND		0.0844	0.0135	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
1,1-Dichloropropene	ND		0.0844	0.0253	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
cis-1,3-Dichloropropene	ND		0.0844	0.0160	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Ethylbenzene	ND		0.0844	0.0270	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
2-Hexanone	ND		4.22	0.186	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Methylene Chloride	**0.0371**	**B J**	0.169	0.0127	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
4-Methyl-2-pentanone	ND		0.844	0.135	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Styrene	ND		0.0844	0.0186	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
1,1,1,2-Tetrachloroethane	ND		0.0844	0.0186	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Tetrachloroethene	ND		0.0844	0.0186	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Toluene	ND		0.0844	0.0279	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
1,1,1-Trichloroethane	ND		0.0844	0.0295	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
1,1,2-Trichloroethane	ND		0.0844	0.0321	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Trichloroethene	ND		0.0844	0.0312	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Vinyl chloride	ND		0.0844	0.0304	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
o-Xylene	ND		0.0844	0.0253	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
m,p-Xylene	ND		0.169	0.0481	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0
Xylenes, total	ND		0.169	0.0734	mg/kg dry	☼	06/16/11 08:42	06/22/11 19:27	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/16/11 08:42*	*06/22/11 19:27*	*50.0*
Dibromofluoromethane	*90*		*75 - 125*	*06/16/11 08:42*	*06/22/11 19:27*	*50.0*
Toluene-d8	*99*		*76 - 129*	*06/16/11 08:42*	*06/22/11 19:27*	*50.0*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/16/11 08:42*	*06/22/11 19:27*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-08 (12-13)

Date Collected: 06/16/11 08:42
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-02

Matrix: Soil
Percent Solids: 91.1

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	91.1		0.500	0.500	%		06/24/11 09:02	06/24/11 12:43	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: BD-061611-A

Date Collected: 06/16/11 00:01
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-03

Matrix: Soil
Percent Solids: 90.1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		3.91	1.95	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Benzene	ND		0.0782	0.0211	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Bromodichloromethane	ND		0.0782	0.0289	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Bromoform	ND		0.0782	0.0172	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Bromomethane	ND		0.0782	0.0367	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
2-Butanone	ND		0.782	0.133	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Carbon disulfide	ND		0.0782	0.0227	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Carbon Tetrachloride	ND		0.0782	0.0211	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Chlorobenzene	ND		0.0782	0.0297	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Chlorodibromomethane	ND		0.0782	0.0234	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Chloroethane	ND		0.0782	0.0320	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Chloroform	ND		0.0782	0.0367	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Chloromethane	ND		0.0782	0.0141	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Dibromomethane	ND		0.0782	0.0336	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
1,2-Dichloroethane	ND		0.0782	0.0297	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
1,1-Dichloroethane	ND		0.0782	0.0250	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
1,1-Dichloroethene	ND		0.0782	0.0281	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
trans-1,2-Dichloroethene	ND		0.0782	0.0281	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
cis-1,2-Dichloroethene	ND		0.0782	0.0297	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
1,2-Dichloropropane	ND		0.0782	0.0258	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
trans-1,3-Dichloropropene	ND		0.0782	0.0125	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
1,1-Dichloropropene	ND		0.0782	0.0234	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
cis-1,3-Dichloropropene	ND		0.0782	0.0149	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Ethylbenzene	ND		0.0782	0.0250	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
2-Hexanone	ND		3.91	0.172	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Methylene Chloride	**0.0453**	**B J**	0.156	0.0117	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
4-Methyl-2-pentanone	ND		0.782	0.125	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Styrene	ND		0.0782	0.0172	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
1,1,1,2-Tetrachloroethane	ND		0.0782	0.0172	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Tetrachloroethene	ND		0.0782	0.0172	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Toluene	ND		0.0782	0.0258	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
1,1,1-Trichloroethane	ND		0.0782	0.0274	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
1,1,2-Trichloroethane	ND		0.0782	0.0297	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Trichloroethene	ND		0.0782	0.0289	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Vinyl chloride	ND		0.0782	0.0281	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
o-Xylene	ND		0.0782	0.0234	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
m,p-Xylene	ND		0.156	0.0446	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0
Xylenes, total	ND		0.156	0.0680	mg/kg dry	☼	06/16/11 00:01	06/22/11 19:53	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*95*		*67 - 138*	*06/16/11 00:01*	*06/22/11 19:53*	*50.0*
Dibromofluoromethane	*93*		*75 - 125*	*06/16/11 00:01*	*06/22/11 19:53*	*50.0*
Toluene-d8	*98*		*76 - 129*	*06/16/11 00:01*	*06/22/11 19:53*	*50.0*
4-Bromofluorobenzene	*107*		*67 - 147*	*06/16/11 00:01*	*06/22/11 19:53*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: BD-061611-A

Lab Sample ID: NUF2999-03

Date Collected: 06/16/11 00:01
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 90.1

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	90.1		0.500	0.500	%		06/24/11 09:02	06/24/11 12:43	1.00

Client Sample ID: HP-04 (5-6)

Date Collected: 06/16/11 09:22
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-04

Matrix: Soil
Percent Solids: 92.8

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.45	2.23	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Benzene	ND		0.0890	0.0240	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Bromodichloromethane	ND		0.0890	0.0329	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Bromoform	ND		0.0890	0.0196	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Bromomethane	ND		0.0890	0.0418	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
2-Butanone	ND		0.890	0.151	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Carbon disulfide	ND		0.0890	0.0258	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Carbon Tetrachloride	ND		0.0890	0.0240	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Chlorobenzene	ND		0.0890	0.0338	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Chlorodibromomethane	ND		0.0890	0.0267	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Chloroethane	ND		0.0890	0.0365	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Chloroform	ND		0.0890	0.0418	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Chloromethane	ND		0.0890	0.0160	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Dibromomethane	ND		0.0890	0.0383	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
1,2-Dichloroethane	ND		0.0890	0.0338	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
1,1-Dichloroethane	ND		0.0890	0.0285	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
1,1-Dichloroethene	ND		0.0890	0.0321	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
trans-1,2-Dichloroethene	ND		0.0890	0.0321	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
cis-1,2-Dichloroethene	ND		0.0890	0.0338	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
1,2-Dichloropropane	ND		0.0890	0.0294	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
trans-1,3-Dichloropropene	ND		0.0890	0.0142	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
1,1-Dichloropropene	ND		0.0890	0.0267	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
cis-1,3-Dichloropropene	ND		0.0890	0.0169	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Ethylbenzene	ND		0.0890	0.0285	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
2-Hexanone	ND		4.45	0.196	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Methylene Chloride	**0.0463**	**B J**	0.178	0.0134	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
4-Methyl-2-pentanone	ND		0.890	0.142	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Styrene	ND		0.0890	0.0196	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
1,1,1,2-Tetrachloroethane	ND		0.0890	0.0196	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Tetrachloroethene	ND		0.0890	0.0196	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Toluene	ND		0.0890	0.0294	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
1,1,1-Trichloroethane	ND		0.0890	0.0312	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
1,1,2-Trichloroethane	ND		0.0890	0.0338	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Trichloroethene	ND		0.0890	0.0329	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Vinyl chloride	ND		0.0890	0.0321	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
o-Xylene	ND		0.0890	0.0267	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
m,p-Xylene	ND		0.178	0.0507	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0
Xylenes, total	ND		0.178	0.0775	mg/kg dry	☼	06/16/11 09:22	06/22/11 20:19	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/16/11 09:22*	*06/22/11 20:19*	*50.0*
Dibromofluoromethane	*92*		*75 - 125*	*06/16/11 09:22*	*06/22/11 20:19*	*50.0*
Toluene-d8	*99*		*76 - 129*	*06/16/11 09:22*	*06/22/11 20:19*	*50.0*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/16/11 09:22*	*06/22/11 20:19*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**92.8**		0.500	0.500	%		06/24/11 09:02	06/24/11 12:48	1.00

Client Sample ID: HP-04 (7-8)

Lab Sample ID: NUF2999-05

Date Collected: 06/16/11 11:12
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 92.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.35	2.18	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Benzene	ND		0.0871	0.0235	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Bromodichloromethane	ND		0.0871	0.0322	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Bromoform	ND		0.0871	0.0192	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Bromomethane	ND		0.0871	0.0409	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
2-Butanone	ND		0.871	0.148	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Carbon disulfide	ND		0.0871	0.0252	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Carbon Tetrachloride	ND		0.0871	0.0235	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Chlorobenzene	ND		0.0871	0.0331	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Chlorodibromomethane	ND		0.0871	0.0261	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Chloroethane	ND		0.0871	0.0357	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Chloroform	ND		0.0871	0.0409	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Chloromethane	ND		0.0871	0.0157	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Dibromomethane	ND		0.0871	0.0374	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
1,2-Dichloroethane	ND		0.0871	0.0331	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
1,1-Dichloroethane	ND		0.0871	0.0279	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
1,1-Dichloroethene	ND		0.0871	0.0313	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
trans-1,2-Dichloroethene	ND		0.0871	0.0313	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
cis-1,2-Dichloroethene	ND		0.0871	0.0331	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
1,2-Dichloropropane	ND		0.0871	0.0287	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
trans-1,3-Dichloropropene	ND		0.0871	0.0139	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
1,1-Dichloropropene	ND		0.0871	0.0261	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
cis-1,3-Dichloropropene	ND		0.0871	0.0165	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Ethylbenzene	ND		0.0871	0.0279	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
2-Hexanone	ND		4.35	0.192	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Methylene Chloride	**0.0400**	**B J**	0.174	0.0131	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
4-Methyl-2-pentanone	ND		0.871	0.139	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Styrene	ND		0.0871	0.0192	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
1,1,1,2-Tetrachloroethane	ND		0.0871	0.0192	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Tetrachloroethene	ND		0.0871	0.0192	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Toluene	ND		0.0871	0.0287	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
1,1,1-Trichloroethane	ND		0.0871	0.0305	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
1,1,2-Trichloroethane	ND		0.0871	0.0331	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Trichloroethene	ND		0.0871	0.0322	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Vinyl chloride	ND		0.0871	0.0313	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
o-Xylene	ND		0.0871	0.0261	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
m,p-Xylene	ND		0.174	0.0496	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0
Xylenes, total	ND		0.174	0.0757	mg/kg dry	☼	06/16/11 11:12	06/22/11 20:45	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*67 - 138*	*06/16/11 11:12*	*06/22/11 20:45*	*50.0*
Dibromofluoromethane	*91*		*75 - 125*	*06/16/11 11:12*	*06/22/11 20:45*	*50.0*
Toluene-d8	*97*		*76 - 129*	*06/16/11 11:12*	*06/22/11 20:45*	*50.0*
4-Bromofluorobenzene	*106*		*67 - 147*	*06/16/11 11:12*	*06/22/11 20:45*	*50.0*

Method: SW846 9060M - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**945**	**J B**	1000	630	mg/kg dry	☼	06/22/11 17:06	06/24/11 09:21	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-04 (7-8)

Date Collected: 06/16/11 11:12
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-05

Matrix: Soil
Percent Solids: 92.5

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	0.00				%		06/27/11 15:52	06/27/11 15:53	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	92.5		0.500	0.500	%		06/24/11 09:02	06/24/11 12:43	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-03 (6-7)

Date Collected: 06/16/11 11:52
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-06

Matrix: Soil
Percent Solids: 88.8

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.59	2.30	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Benzene	ND		0.0918	0.0248	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Bromodichloromethane	ND		0.0918	0.0340	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Bromoform	ND		0.0918	0.0202	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Bromomethane	ND		0.0918	0.0431	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
2-Butanone	ND		0.918	0.156	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Carbon disulfide	ND		0.0918	0.0266	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Carbon Tetrachloride	ND		0.0918	0.0248	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Chlorobenzene	ND		0.0918	0.0349	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Chlorodibromomethane	ND		0.0918	0.0275	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Chloroethane	ND		0.0918	0.0376	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Chloroform	ND		0.0918	0.0431	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Chloromethane	ND		0.0918	0.0165	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Dibromomethane	ND		0.0918	0.0395	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
1,2-Dichloroethane	ND		0.0918	0.0349	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
1,1-Dichloroethane	ND		0.0918	0.0294	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
1,1-Dichloroethene	ND		0.0918	0.0330	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
trans-1,2-Dichloroethene	ND		0.0918	0.0330	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
cis-1,2-Dichloroethene	ND		0.0918	0.0349	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
1,2-Dichloropropane	ND		0.0918	0.0303	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
trans-1,3-Dichloropropene	ND		0.0918	0.0147	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
1,1-Dichloropropene	ND		0.0918	0.0275	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
cis-1,3-Dichloropropene	ND		0.0918	0.0174	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Ethylbenzene	ND		0.0918	0.0294	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
2-Hexanone	ND		4.59	0.202	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Methylene Chloride	**0.0532**	**B J**	0.184	0.0138	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
4-Methyl-2-pentanone	ND		0.918	0.147	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Styrene	ND		0.0918	0.0202	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
1,1,1,2-Tetrachloroethane	ND		0.0918	0.0202	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Tetrachloroethene	ND		0.0918	0.0202	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Toluene	ND		0.0918	0.0303	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
1,1,1-Trichloroethane	ND		0.0918	0.0321	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
1,1,2-Trichloroethane	ND		0.0918	0.0349	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Trichloroethene	ND		0.0918	0.0340	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Vinyl chloride	ND		0.0918	0.0330	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
o-Xylene	ND		0.0918	0.0275	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
m,p-Xylene	ND		0.184	0.0523	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0
Xylenes, total	ND		0.184	0.0799	mg/kg dry	☼	06/16/11 11:52	06/22/11 21:12	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/16/11 11:52*	*06/22/11 21:12*	*50.0*
Dibromofluoromethane	*91*		*75 - 125*	*06/16/11 11:52*	*06/22/11 21:12*	*50.0*
Toluene-d8	*100*		*76 - 129*	*06/16/11 11:52*	*06/22/11 21:12*	*50.0*
4-Bromofluorobenzene	*105*		*67 - 147*	*06/16/11 11:52*	*06/22/11 21:12*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**88.8**		0.500	0.500	%		06/24/11 09:02	06/24/11 12:48	1.00

Client Sample ID: HP-03 (12-13)

Date Collected: 06/16/11 12:10
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-07

Matrix: Soil
Percent Solids: 91.2

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	RL1	43.8	21.9	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Benzene	ND	RL1	0.877	0.237	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Bromodichloromethane	ND	RL1	0.877	0.324	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Bromoform	ND	RL1	0.877	0.193	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Bromomethane	ND	RL1	0.877	0.412	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
2-Butanone	ND	RL1	8.77	1.49	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Carbon disulfide	ND	RL1	0.877	0.254	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Carbon Tetrachloride	ND	RL1	0.877	0.237	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Chlorobenzene	ND	RL1	0.877	0.333	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Chlorodibromomethane	ND	RL1	0.877	0.263	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Chloroethane	ND	RL1	0.877	0.360	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Chloroform	ND	RL1	0.877	0.412	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Chloromethane	ND	RL1	0.877	0.158	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Dibromomethane	ND	RL1	0.877	0.377	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
1,2-Dichloroethane	ND	RL1	0.877	0.333	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
1,1-Dichloroethane	ND	RL1	0.877	0.281	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
1,1-Dichloroethene	ND	RL1	0.877	0.316	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
trans-1,2-Dichloroethene	ND	RL1	0.877	0.316	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
cis-1,2-Dichloroethene	ND	RL1	0.877	0.333	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
1,2-Dichloropropane	ND	RL1	0.877	0.289	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
trans-1,3-Dichloropropene	ND	RL1	0.877	0.140	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
1,1-Dichloropropene	ND	RL1	0.877	0.263	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
cis-1,3-Dichloropropene	ND	RL1	0.877	0.167	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
2-Hexanone	ND	RL1	43.8	1.93	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Methylene Chloride	**0.316**	**RL1 J**	1.75	0.132	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
4-Methyl-2-pentanone	ND	RL1	8.77	1.40	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Styrene	ND	RL1	0.877	0.193	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
1,1,1,2-Tetrachloroethane	ND	RL1	0.877	0.193	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Tetrachloroethene	ND	RL1	0.877	0.193	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
1,1,1-Trichloroethane	ND	RL1	0.877	0.307	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
1,1,2-Trichloroethane	ND	RL1	0.877	0.333	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Trichloroethene	ND	RL1	0.877	0.324	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500
Vinyl chloride	ND	RL1	0.877	0.316	mg/kg dry	☼	06/16/11 12:10	06/23/11 08:09	500

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*90*		*67 - 138*	*06/16/11 12:10*	*06/23/11 08:09*	*500*
Dibromofluoromethane	*90*		*75 - 125*	*06/16/11 12:10*	*06/23/11 08:09*	*500*
Toluene-d8	*106*		*76 - 129*	*06/16/11 12:10*	*06/23/11 08:09*	*500*
4-Bromofluorobenzene	*112*		*67 - 147*	*06/16/11 12:10*	*06/23/11 08:09*	*500*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**235**		8.77	2.81	mg/kg dry	☼	06/23/11 14:47	06/23/11 20:23	5000
Toluene	**231**		8.77	2.89	mg/kg dry	☼	06/23/11 14:47	06/23/11 20:23	5000
o-Xylene	**361**		8.77	2.63	mg/kg dry	☼	06/23/11 14:47	06/23/11 20:23	5000
m,p-Xylene	**921**		17.5	5.00	mg/kg dry	☼	06/23/11 14:47	06/23/11 20:23	5000
Xylenes, total	**1280**		17.5	7.63	mg/kg dry	☼	06/23/11 14:47	06/23/11 20:23	5000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*87*		*67 - 138*	*06/23/11 14:47*	*06/23/11 20:23*	*5000*
Dibromofluoromethane	*91*		*75 - 125*	*06/23/11 14:47*	*06/23/11 20:23*	*5000*

Client Sample ID: HP-03 (12-13)

Lab Sample ID: NUF2999-07

Date Collected: 06/16/11 12:10
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 91.2

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1 (Continued)

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8	*100*		*76 - 129*	*06/23/11 14:47*	*06/23/11 20:23*	*5000*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/23/11 14:47*	*06/23/11 20:23*	*5000*

Method: SW846 9060M - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1550**	**B**	1000	630	mg/kg dry	☼	06/22/11 17:06	06/24/11 09:21	1.00

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.2**		0.500	0.500	%		06/24/11 09:02	06/24/11 12:43	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-02 (6-7)

Date Collected: 06/16/11 13:06
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-08

Matrix: Soil
Percent Solids: 92.9

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.46	2.23	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Benzene	ND		0.0892	0.0241	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Bromodichloromethane	ND		0.0892	0.0330	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Bromoform	ND		0.0892	0.0196	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Bromomethane	ND		0.0892	0.0419	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
2-Butanone	ND		0.892	0.152	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Carbon disulfide	ND		0.0892	0.0259	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Carbon Tetrachloride	ND		0.0892	0.0241	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Chlorobenzene	ND		0.0892	0.0339	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Chlorodibromomethane	ND		0.0892	0.0268	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Chloroethane	ND		0.0892	0.0366	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Chloroform	ND		0.0892	0.0419	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Chloromethane	ND		0.0892	0.0161	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Dibromomethane	ND		0.0892	0.0384	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
1,2-Dichloroethane	ND		0.0892	0.0339	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
1,1-Dichloroethane	ND		0.0892	0.0285	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
1,1-Dichloroethene	ND		0.0892	0.0321	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
trans-1,2-Dichloroethene	ND		0.0892	0.0321	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
cis-1,2-Dichloroethene	ND		0.0892	0.0339	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
1,2-Dichloropropane	ND		0.0892	0.0294	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
trans-1,3-Dichloropropene	ND		0.0892	0.0143	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
1,1-Dichloropropene	ND		0.0892	0.0268	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
cis-1,3-Dichloropropene	ND		0.0892	0.0170	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Ethylbenzene	ND		0.0892	0.0285	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
2-Hexanone	ND		4.46	0.196	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Methylene Chloride	ND		0.178	0.0134	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
4-Methyl-2-pentanone	ND		0.892	0.143	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Styrene	ND		0.0892	0.0196	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
1,1,1,2-Tetrachloroethane	ND		0.0892	0.0196	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Tetrachloroethene	ND		0.0892	0.0196	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Toluene	ND		0.0892	0.0294	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
1,1,1-Trichloroethane	ND		0.0892	0.0312	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
1,1,2-Trichloroethane	ND		0.0892	0.0339	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Trichloroethene	ND		0.0892	0.0330	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Vinyl chloride	ND		0.0892	0.0321	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
o-Xylene	ND		0.0892	0.0268	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
m,p-Xylene	**0.0633**	**J**	0.178	0.0509	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0
Xylenes, total	**0.0892**	**J**	0.178	0.0776	mg/kg dry	☼	06/16/11 13:06	06/22/11 21:38	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/16/11 13:06*	*06/22/11 21:38*	*50.0*
Dibromofluoromethane	*91*		*75 - 125*	*06/16/11 13:06*	*06/22/11 21:38*	*50.0*
Toluene-d8	*101*		*76 - 129*	*06/16/11 13:06*	*06/22/11 21:38*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/16/11 13:06*	*06/22/11 21:38*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**92.9**		0.500	0.500	%		06/24/11 09:02	06/24/11 12:48	1.00

Client Sample ID: HP-02 (11-12)

Date Collected: 06/16/11 13:20
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-09

Matrix: Soil
Percent Solids: 88.6

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.40	2.70	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Benzene	ND		0.108	0.0291	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Bromodichloromethane	ND		0.108	0.0399	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Bromoform	ND		0.108	0.0237	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Bromomethane	ND		0.108	0.0507	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
2-Butanone	ND		1.08	0.183	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Carbon disulfide	ND		0.108	0.0313	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Carbon Tetrachloride	ND		0.108	0.0291	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Chlorobenzene	ND		0.108	0.0410	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Chlorodibromomethane	ND		0.108	0.0324	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Chloroethane	ND		0.108	0.0442	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Chloroform	ND		0.108	0.0507	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Chloromethane	ND		0.108	0.0194	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Dibromomethane	ND		0.108	0.0464	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
1,2-Dichloroethane	ND		0.108	0.0410	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
1,1-Dichloroethane	ND		0.108	0.0345	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
1,1-Dichloroethene	ND		0.108	0.0389	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
trans-1,2-Dichloroethene	ND		0.108	0.0389	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
cis-1,2-Dichloroethene	ND		0.108	0.0410	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
1,2-Dichloropropane	ND		0.108	0.0356	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
trans-1,3-Dichloropropene	ND		0.108	0.0173	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
1,1-Dichloropropene	ND		0.108	0.0324	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
cis-1,3-Dichloropropene	ND		0.108	0.0205	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Ethylbenzene	ND		0.108	0.0345	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
2-Hexanone	ND		5.40	0.237	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Methylene Chloride	**0.0410**	**J**	0.216	0.0162	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
4-Methyl-2-pentanone	ND		1.08	0.173	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Styrene	ND		0.108	0.0237	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
1,1,1,2-Tetrachloroethane	ND		0.108	0.0237	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Tetrachloroethene	ND		0.108	0.0237	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Toluene	ND		0.108	0.0356	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
1,1,1-Trichloroethane	ND		0.108	0.0378	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
1,1,2-Trichloroethane	ND		0.108	0.0410	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Trichloroethene	ND		0.108	0.0399	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Vinyl chloride	ND		0.108	0.0389	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
o-Xylene	ND		0.108	0.0324	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
m,p-Xylene	ND		0.216	0.0615	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0
Xylenes, total	ND		0.216	0.0939	mg/kg dry	☼	06/16/11 13:20	06/23/11 07:42	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*88*		*67 - 138*	*06/16/11 13:20*	*06/23/11 07:42*	*50.0*
Dibromofluoromethane	*90*		*75 - 125*	*06/16/11 13:20*	*06/23/11 07:42*	*50.0*
Toluene-d8	*99*		*76 - 129*	*06/16/11 13:20*	*06/23/11 07:42*	*50.0*
4-Bromofluorobenzene	*104*		*67 - 147*	*06/16/11 13:20*	*06/23/11 07:42*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-02 (11-12)

Lab Sample ID: NUF2999-09

Date Collected: 06/16/11 13:20
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 88.6

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	88.6		0.500	0.500	%		06/24/11 09:02	06/24/11 12:43	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-01 (6-7)

Date Collected: 06/16/11 13:51
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-10

Matrix: Soil
Percent Solids: 91.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.55	2.27	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Benzene	ND		0.0909	0.0245	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Bromodichloromethane	ND		0.0909	0.0336	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Bromoform	ND		0.0909	0.0200	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Bromomethane	ND		0.0909	0.0427	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
2-Butanone	ND		0.909	0.155	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Carbon disulfide	ND		0.0909	0.0264	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Carbon Tetrachloride	ND		0.0909	0.0245	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Chlorobenzene	ND		0.0909	0.0346	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Chlorodibromomethane	ND		0.0909	0.0273	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Chloroethane	ND		0.0909	0.0373	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Chloroform	ND		0.0909	0.0427	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Chloromethane	ND		0.0909	0.0164	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Dibromomethane	ND		0.0909	0.0391	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
1,2-Dichloroethane	ND		0.0909	0.0346	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
1,1-Dichloroethane	ND		0.0909	0.0291	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
1,1-Dichloroethene	ND		0.0909	0.0327	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
trans-1,2-Dichloroethene	ND		0.0909	0.0327	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
cis-1,2-Dichloroethene	ND		0.0909	0.0346	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
1,2-Dichloropropane	ND		0.0909	0.0300	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
trans-1,3-Dichloropropene	ND		0.0909	0.0145	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
1,1-Dichloropropene	ND		0.0909	0.0273	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
cis-1,3-Dichloropropene	ND		0.0909	0.0173	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Ethylbenzene	ND		0.0909	0.0291	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
2-Hexanone	ND		4.55	0.200	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Methylene Chloride	**0.0409**	**B J**	0.182	0.0136	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
4-Methyl-2-pentanone	ND		0.909	0.145	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Styrene	ND		0.0909	0.0200	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
1,1,1,2-Tetrachloroethane	ND		0.0909	0.0200	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Tetrachloroethene	ND		0.0909	0.0200	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Toluene	ND		0.0909	0.0300	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
1,1,1-Trichloroethane	ND		0.0909	0.0318	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
1,1,2-Trichloroethane	ND		0.0909	0.0346	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Trichloroethene	ND		0.0909	0.0336	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Vinyl chloride	ND		0.0909	0.0327	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
o-Xylene	ND		0.0909	0.0273	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
m,p-Xylene	ND		0.182	0.0518	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0
Xylenes, total	ND		0.182	0.0791	mg/kg dry	☼	06/16/11 13:51	06/22/11 22:04	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*67 - 138*	*06/16/11 13:51*	*06/22/11 22:04*	*50.0*
Dibromofluoromethane	*92*		*75 - 125*	*06/16/11 13:51*	*06/22/11 22:04*	*50.0*
Toluene-d8	*99*		*76 - 129*	*06/16/11 13:51*	*06/22/11 22:04*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/16/11 13:51*	*06/22/11 22:04*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**91.5**		0.500	0.500	%		06/24/11 09:02	06/24/11 12:48	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-01 (10-11)

Date Collected: 06/16/11 13:55
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-11

Matrix: Soil
Percent Solids: 90.9

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.17	2.08	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Benzene	ND		0.0834	0.0225	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Bromodichloromethane	ND		0.0834	0.0308	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Bromoform	ND		0.0834	0.0183	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Bromomethane	ND		0.0834	0.0392	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
2-Butanone	ND		0.834	0.142	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Carbon disulfide	ND		0.0834	0.0242	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Carbon Tetrachloride	ND		0.0834	0.0225	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Chlorobenzene	ND		0.0834	0.0317	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Chlorodibromomethane	ND		0.0834	0.0250	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Chloroethane	ND		0.0834	0.0342	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Chloroform	ND		0.0834	0.0392	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Chloromethane	ND		0.0834	0.0150	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Dibromomethane	ND		0.0834	0.0358	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
1,2-Dichloroethane	ND		0.0834	0.0317	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
1,1-Dichloroethane	ND		0.0834	0.0267	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
1,1-Dichloroethene	ND		0.0834	0.0300	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
trans-1,2-Dichloroethene	ND		0.0834	0.0300	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
cis-1,2-Dichloroethene	ND		0.0834	0.0317	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
1,2-Dichloropropane	ND		0.0834	0.0275	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
trans-1,3-Dichloropropene	ND		0.0834	0.0133	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
1,1-Dichloropropene	ND		0.0834	0.0250	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
cis-1,3-Dichloropropene	ND		0.0834	0.0158	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Ethylbenzene	ND		0.0834	0.0267	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
2-Hexanone	ND		4.17	0.183	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Methylene Chloride	**0.0292**	**B J**	0.167	0.0125	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
4-Methyl-2-pentanone	ND		0.834	0.133	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Styrene	ND		0.0834	0.0183	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
1,1,1,2-Tetrachloroethane	ND		0.0834	0.0183	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Tetrachloroethene	ND		0.0834	0.0183	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Toluene	ND		0.0834	0.0275	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
1,1,1-Trichloroethane	ND		0.0834	0.0292	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
1,1,2-Trichloroethane	ND		0.0834	0.0317	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Trichloroethene	ND		0.0834	0.0308	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Vinyl chloride	ND		0.0834	0.0300	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
o-Xylene	ND		0.0834	0.0250	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
m,p-Xylene	ND		0.167	0.0475	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0
Xylenes, total	ND		0.167	0.0725	mg/kg dry	☼	06/16/11 13:55	06/22/11 22:30	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/16/11 13:55*	*06/22/11 22:30*	*50.0*
Dibromofluoromethane	*91*		*75 - 125*	*06/16/11 13:55*	*06/22/11 22:30*	*50.0*
Toluene-d8	*100*		*76 - 129*	*06/16/11 13:55*	*06/22/11 22:30*	*50.0*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/16/11 13:55*	*06/22/11 22:30*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-01 (10-11)

Date Collected: 06/16/11 13:55
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-11

Matrix: Soil
Percent Solids: 90.9

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	90.9		0.500	0.500	%		06/24/11 09:02	06/24/11 12:43	1.00

Client Sample ID: HP-17A (5-6)

Date Collected: 06/16/11 14:10
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-12

Matrix: Soil
Percent Solids: 86.1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.94	2.97	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Benzene	ND		0.119	0.0321	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Bromodichloromethane	ND		0.119	0.0440	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Bromoform	ND		0.119	0.0261	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Bromomethane	ND		0.119	0.0558	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
2-Butanone	ND		1.19	0.202	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Carbon disulfide	ND		0.119	0.0344	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Carbon Tetrachloride	ND		0.119	0.0321	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Chlorobenzene	ND		0.119	0.0451	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Chlorodibromomethane	ND		0.119	0.0356	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Chloroethane	ND		0.119	0.0487	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Chloroform	ND		0.119	0.0558	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Chloromethane	ND		0.119	0.0214	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Dibromomethane	ND		0.119	0.0511	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
1,2-Dichloroethane	ND		0.119	0.0451	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
1,1-Dichloroethane	ND		0.119	0.0380	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
1,1-Dichloroethene	ND		0.119	0.0428	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
trans-1,2-Dichloroethene	ND		0.119	0.0428	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
cis-1,2-Dichloroethene	ND		0.119	0.0451	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
1,2-Dichloropropane	ND		0.119	0.0392	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
trans-1,3-Dichloropropene	ND		0.119	0.0190	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
1,1-Dichloropropene	ND		0.119	0.0356	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
cis-1,3-Dichloropropene	ND		0.119	0.0226	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Ethylbenzene	ND		0.119	0.0380	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
2-Hexanone	ND		5.94	0.261	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Methylene Chloride	**0.0546**	**B J**	0.238	0.0178	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
4-Methyl-2-pentanone	ND		1.19	0.190	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Styrene	ND		0.119	0.0261	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
1,1,1,2-Tetrachloroethane	ND		0.119	0.0261	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Tetrachloroethene	ND		0.119	0.0261	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Toluene	ND		0.119	0.0392	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
1,1,1-Trichloroethane	ND		0.119	0.0416	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
1,1,2-Trichloroethane	ND		0.119	0.0451	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Trichloroethene	ND		0.119	0.0440	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Vinyl chloride	ND		0.119	0.0428	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
o-Xylene	ND		0.119	0.0356	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
m,p-Xylene	ND		0.238	0.0677	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0
Xylenes, total	ND		0.238	0.103	mg/kg dry	☼	06/16/11 14:10	06/22/11 22:57	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*95*		*67 - 138*	*06/16/11 14:10*	*06/22/11 22:57*	*50.0*
Dibromofluoromethane	*91*		*75 - 125*	*06/16/11 14:10*	*06/22/11 22:57*	*50.0*
Toluene-d8	*100*		*76 - 129*	*06/16/11 14:10*	*06/22/11 22:57*	*50.0*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/16/11 14:10*	*06/22/11 22:57*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**86.1**		0.500	0.500	%		06/24/11 09:02	06/24/11 12:48	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-17A (10-11)

Date Collected: 06/16/11 14:20
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-13

Matrix: Soil
Percent Solids: 87.7

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.49	2.24	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Benzene	ND		0.0898	0.0242	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Bromodichloromethane	ND		0.0898	0.0332	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Bromoform	ND		0.0898	0.0197	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Bromomethane	ND		0.0898	0.0422	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
2-Butanone	ND		0.898	0.153	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Carbon disulfide	ND		0.0898	0.0260	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Carbon Tetrachloride	ND		0.0898	0.0242	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Chlorobenzene	ND		0.0898	0.0341	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Chlorodibromomethane	ND		0.0898	0.0269	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Chloroethane	ND		0.0898	0.0368	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Chloroform	ND		0.0898	0.0422	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Chloromethane	ND		0.0898	0.0162	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Dibromomethane	ND		0.0898	0.0386	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
1,2-Dichloroethane	ND		0.0898	0.0341	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
1,1-Dichloroethane	ND		0.0898	0.0287	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
1,1-Dichloroethene	ND		0.0898	0.0323	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
trans-1,2-Dichloroethene	ND		0.0898	0.0323	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
cis-1,2-Dichloroethene	ND		0.0898	0.0341	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
1,2-Dichloropropane	ND		0.0898	0.0296	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
trans-1,3-Dichloropropene	ND		0.0898	0.0144	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
1,1-Dichloropropene	ND		0.0898	0.0269	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
cis-1,3-Dichloropropene	ND		0.0898	0.0171	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Ethylbenzene	ND		0.0898	0.0287	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
2-Hexanone	ND		4.49	0.197	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Methylene Chloride	ND		0.180	0.0135	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
4-Methyl-2-pentanone	ND		0.898	0.144	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Styrene	ND		0.0898	0.0197	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
1,1,1,2-Tetrachloroethane	ND		0.0898	0.0197	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Tetrachloroethene	ND		0.0898	0.0197	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Toluene	ND		0.0898	0.0296	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
1,1,1-Trichloroethane	ND		0.0898	0.0314	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
1,1,2-Trichloroethane	ND		0.0898	0.0341	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Trichloroethene	ND		0.0898	0.0332	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Vinyl chloride	ND		0.0898	0.0323	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
o-Xylene	ND		0.0898	0.0269	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
m,p-Xylene	ND		0.180	0.0512	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0
Xylenes, total	ND		0.180	0.0781	mg/kg dry	☼	06/16/11 14:20	06/22/11 23:23	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*67 - 138*	*06/16/11 14:20*	*06/22/11 23:23*	*50.0*
Dibromofluoromethane	*92*		*75 - 125*	*06/16/11 14:20*	*06/22/11 23:23*	*50.0*
Toluene-d8	*101*		*76 - 129*	*06/16/11 14:20*	*06/22/11 23:23*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/16/11 14:20*	*06/22/11 23:23*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-17A (10-11)

Lab Sample ID: NUF2999-13

Date Collected: 06/16/11 14:20
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 87.7

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	87.7		0.500	0.500	%		06/24/11 09:02	06/24/11 12:43	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: BD-061611-B

Date Collected: 06/16/11 00:01
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-14

Matrix: Soil
Percent Solids: 89.4

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.74	2.37	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Benzene	ND		0.0948	0.0256	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Bromodichloromethane	ND		0.0948	0.0351	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Bromoform	ND		0.0948	0.0208	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Bromomethane	ND		0.0948	0.0445	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
2-Butanone	ND		0.948	0.161	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Carbon disulfide	ND		0.0948	0.0275	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Carbon Tetrachloride	ND		0.0948	0.0256	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Chlorobenzene	ND		0.0948	0.0360	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Chlorodibromomethane	ND		0.0948	0.0284	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Chloroethane	ND		0.0948	0.0389	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Chloroform	ND		0.0948	0.0445	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Chloromethane	ND		0.0948	0.0171	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Dibromomethane	ND		0.0948	0.0407	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
1,2-Dichloroethane	ND		0.0948	0.0360	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
1,1-Dichloroethane	ND		0.0948	0.0303	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
1,1-Dichloroethene	ND		0.0948	0.0341	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
trans-1,2-Dichloroethene	ND		0.0948	0.0341	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
cis-1,2-Dichloroethene	ND		0.0948	0.0360	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
1,2-Dichloropropane	ND		0.0948	0.0313	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
trans-1,3-Dichloropropene	ND		0.0948	0.0152	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
1,1-Dichloropropene	ND		0.0948	0.0284	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
cis-1,3-Dichloropropene	ND		0.0948	0.0180	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Ethylbenzene	ND		0.0948	0.0303	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
2-Hexanone	ND		4.74	0.208	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Methylene Chloride	ND		0.190	0.0142	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
4-Methyl-2-pentanone	ND		0.948	0.152	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Styrene	ND		0.0948	0.0208	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
1,1,1,2-Tetrachloroethane	ND		0.0948	0.0208	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Tetrachloroethene	ND		0.0948	0.0208	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Toluene	ND		0.0948	0.0313	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
1,1,1-Trichloroethane	ND		0.0948	0.0332	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
1,1,2-Trichloroethane	ND		0.0948	0.0360	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Trichloroethene	ND		0.0948	0.0351	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Vinyl chloride	ND		0.0948	0.0341	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
o-Xylene	ND		0.0948	0.0284	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
m,p-Xylene	ND		0.190	0.0540	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0
Xylenes, total	ND		0.190	0.0824	mg/kg dry	☼	06/16/11 00:01	06/22/11 23:49	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/16/11 00:01*	*06/22/11 23:49*	*50.0*
Dibromofluoromethane	*91*		*75 - 125*	*06/16/11 00:01*	*06/22/11 23:49*	*50.0*
Toluene-d8	*98*		*76 - 129*	*06/16/11 00:01*	*06/22/11 23:49*	*50.0*
4-Bromofluorobenzene	*100*		*67 - 147*	*06/16/11 00:01*	*06/22/11 23:49*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: BD-061611-B

Lab Sample ID: NUF2999-14

Date Collected: 06/16/11 00:01
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 89.4

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	89.4		0.500	0.500	%		06/24/11 09:02	06/24/11 12:43	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-07 (3-5)

Date Collected: 06/16/11 14:55
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-15

Matrix: Soil
Percent Solids: 87.2

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.64	2.32	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Benzene	ND		0.0928	0.0250	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Bromodichloromethane	ND		0.0928	0.0343	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Bromoform	ND		0.0928	0.0204	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Bromomethane	ND		0.0928	0.0436	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
2-Butanone	ND		0.928	0.158	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Carbon disulfide	ND		0.0928	0.0269	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Carbon Tetrachloride	ND		0.0928	0.0250	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Chlorobenzene	ND		0.0928	0.0352	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Chlorodibromomethane	ND		0.0928	0.0278	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Chloroethane	ND		0.0928	0.0380	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Chloroform	ND		0.0928	0.0436	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Chloromethane	ND		0.0928	0.0167	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Dibromomethane	ND		0.0928	0.0399	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
1,2-Dichloroethane	ND		0.0928	0.0352	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
1,1-Dichloroethane	ND		0.0928	0.0297	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
1,1-Dichloroethene	ND		0.0928	0.0334	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
trans-1,2-Dichloroethene	ND		0.0928	0.0334	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
cis-1,2-Dichloroethene	ND		0.0928	0.0352	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
1,2-Dichloropropane	ND		0.0928	0.0306	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
trans-1,3-Dichloropropene	ND		0.0928	0.0148	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
1,1-Dichloropropene	ND		0.0928	0.0278	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
cis-1,3-Dichloropropene	ND		0.0928	0.0176	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Ethylbenzene	ND		0.0928	0.0297	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
2-Hexanone	ND		4.64	0.204	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Methylene Chloride	ND		0.186	0.0139	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
4-Methyl-2-pentanone	ND		0.928	0.148	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Styrene	ND		0.0928	0.0204	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
1,1,1,2-Tetrachloroethane	ND		0.0928	0.0204	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Tetrachloroethene	ND		0.0928	0.0204	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Toluene	ND		0.0928	0.0306	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
1,1,1-Trichloroethane	ND		0.0928	0.0325	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
1,1,2-Trichloroethane	ND		0.0928	0.0352	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Trichloroethene	ND		0.0928	0.0343	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Vinyl chloride	ND		0.0928	0.0334	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
o-Xylene	ND		0.0928	0.0278	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
m,p-Xylene	ND		0.186	0.0529	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0
Xylenes, total	ND		0.186	0.0807	mg/kg dry	☼	06/16/11 14:10	06/23/11 00:16	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/16/11 14:10*	*06/23/11 00:16*	*50.0*
Dibromofluoromethane	*87*		*75 - 125*	*06/16/11 14:10*	*06/23/11 00:16*	*50.0*
Toluene-d8	*98*		*76 - 129*	*06/16/11 14:10*	*06/23/11 00:16*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/16/11 14:10*	*06/23/11 00:16*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**87.2**		0.500	0.500	%		06/24/11 09:02	06/24/11 12:48	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-07 (10-11)

Date Collected: 06/16/11 15:00
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-16

Matrix: Soil
Percent Solids: 89.4

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.30	2.15	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Benzene	ND		0.0860	0.0232	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Bromodichloromethane	ND		0.0860	0.0318	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Bromoform	ND		0.0860	0.0189	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Bromomethane	ND		0.0860	0.0404	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
2-Butanone	ND		0.860	0.146	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Carbon disulfide	ND		0.0860	0.0249	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Carbon Tetrachloride	ND		0.0860	0.0232	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Chlorobenzene	ND		0.0860	0.0327	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Chlorodibromomethane	ND		0.0860	0.0258	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Chloroethane	ND		0.0860	0.0352	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Chloroform	ND		0.0860	0.0404	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Chloromethane	ND		0.0860	0.0155	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Dibromomethane	ND		0.0860	0.0370	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
1,2-Dichloroethane	ND		0.0860	0.0327	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
1,1-Dichloroethane	ND		0.0860	0.0275	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
1,1-Dichloroethene	ND		0.0860	0.0309	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
trans-1,2-Dichloroethene	ND		0.0860	0.0309	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
cis-1,2-Dichloroethene	ND		0.0860	0.0327	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
1,2-Dichloropropane	ND		0.0860	0.0284	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
trans-1,3-Dichloropropene	ND		0.0860	0.0138	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
1,1-Dichloropropene	ND		0.0860	0.0258	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
cis-1,3-Dichloropropene	ND		0.0860	0.0163	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Ethylbenzene	ND		0.0860	0.0275	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
2-Hexanone	ND		4.30	0.189	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Methylene Chloride	ND		0.172	0.0129	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
4-Methyl-2-pentanone	ND		0.860	0.138	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Styrene	ND		0.0860	0.0189	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
1,1,1,2-Tetrachloroethane	ND		0.0860	0.0189	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Tetrachloroethene	ND		0.0860	0.0189	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Toluene	ND		0.0860	0.0284	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
1,1,1-Trichloroethane	ND		0.0860	0.0301	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
1,1,2-Trichloroethane	ND		0.0860	0.0327	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Trichloroethene	ND		0.0860	0.0318	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Vinyl chloride	ND		0.0860	0.0309	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
o-Xylene	ND		0.0860	0.0258	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
m,p-Xylene	ND		0.172	0.0490	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0
Xylenes, total	ND		0.172	0.0748	mg/kg dry	☼	06/16/11 15:00	06/23/11 00:42	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/16/11 15:00*	*06/23/11 00:42*	*50.0*
Dibromofluoromethane	*85*		*75 - 125*	*06/16/11 15:00*	*06/23/11 00:42*	*50.0*
Toluene-d8	*98*		*76 - 129*	*06/16/11 15:00*	*06/23/11 00:42*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/16/11 15:00*	*06/23/11 00:42*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-07 (10-11)

Date Collected: 06/16/11 15:00
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-16

Matrix: Soil
Percent Solids: 89.4

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	89.4		0.500	0.500	%		06/24/11 09:02	06/24/11 12:43	1.00

Client Sample ID: HP-06 (5-6)

Date Collected: 06/16/11 15:15
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-17
Matrix: Soil
Percent Solids: 79.6

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.69	2.84	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Benzene	ND		0.114	0.0307	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Bromodichloromethane	ND		0.114	0.0421	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Bromoform	ND		0.114	0.0250	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Bromomethane	ND		0.114	0.0535	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
2-Butanone	ND		1.14	0.193	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Carbon disulfide	ND		0.114	0.0330	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Carbon Tetrachloride	ND		0.114	0.0307	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Chlorobenzene	ND		0.114	0.0432	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Chlorodibromomethane	ND		0.114	0.0341	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Chloroethane	ND		0.114	0.0466	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Chloroform	ND		0.114	0.0535	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Chloromethane	ND		0.114	0.0205	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Dibromomethane	ND		0.114	0.0489	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
1,2-Dichloroethane	ND		0.114	0.0432	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
1,1-Dichloroethane	ND		0.114	0.0364	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
1,1-Dichloroethene	ND		0.114	0.0410	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
trans-1,2-Dichloroethene	ND		0.114	0.0410	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
cis-1,2-Dichloroethene	ND		0.114	0.0432	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
1,2-Dichloropropane	ND		0.114	0.0375	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
trans-1,3-Dichloropropene	ND		0.114	0.0182	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
1,1-Dichloropropene	ND		0.114	0.0341	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
cis-1,3-Dichloropropene	ND		0.114	0.0216	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Ethylbenzene	ND		0.114	0.0364	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
2-Hexanone	ND		5.69	0.250	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Methylene Chloride	ND		0.228	0.0171	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
4-Methyl-2-pentanone	ND		1.14	0.182	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Styrene	ND		0.114	0.0250	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
1,1,1,2-Tetrachloroethane	ND		0.114	0.0250	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Tetrachloroethene	ND		0.114	0.0250	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Toluene	ND		0.114	0.0375	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
1,1,1-Trichloroethane	ND		0.114	0.0398	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
1,1,2-Trichloroethane	ND		0.114	0.0432	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Trichloroethene	ND		0.114	0.0421	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Vinyl chloride	ND		0.114	0.0410	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
o-Xylene	ND		0.114	0.0341	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
m,p-Xylene	ND		0.228	0.0648	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0
Xylenes, total	ND		0.228	0.0990	mg/kg dry	☼	06/16/11 15:15	06/23/11 01:08	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*67 - 138*	*06/16/11 15:15*	*06/23/11 01:08*	*50.0*
Dibromofluoromethane	*88*		*75 - 125*	*06/16/11 15:15*	*06/23/11 01:08*	*50.0*
Toluene-d8	*99*		*76 - 129*	*06/16/11 15:15*	*06/23/11 01:08*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/16/11 15:15*	*06/23/11 01:08*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**79.6**		0.500	0.500	%		06/24/11 09:02	06/24/11 12:48	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-06 (13-14)

Date Collected: 06/16/11 15:20
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-18

Matrix: Soil
Percent Solids: 89.1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.28	2.14	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Benzene	ND		0.0855	0.0231	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Bromodichloromethane	ND		0.0855	0.0316	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Bromoform	ND		0.0855	0.0188	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Bromomethane	ND		0.0855	0.0402	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
2-Butanone	ND		0.855	0.145	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Carbon disulfide	ND		0.0855	0.0248	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Carbon Tetrachloride	ND		0.0855	0.0231	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Chlorobenzene	ND		0.0855	0.0325	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Chlorodibromomethane	ND		0.0855	0.0257	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Chloroethane	ND		0.0855	0.0351	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Chloroform	ND		0.0855	0.0402	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Chloromethane	ND		0.0855	0.0154	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Dibromomethane	ND		0.0855	0.0368	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
1,2-Dichloroethane	ND		0.0855	0.0325	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
1,1-Dichloroethane	ND		0.0855	0.0274	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
1,1-Dichloroethene	ND		0.0855	0.0308	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
trans-1,2-Dichloroethene	ND		0.0855	0.0308	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
cis-1,2-Dichloroethene	ND		0.0855	0.0325	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
1,2-Dichloropropane	ND		0.0855	0.0282	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
trans-1,3-Dichloropropene	ND		0.0855	0.0137	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
1,1-Dichloropropene	ND		0.0855	0.0257	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
cis-1,3-Dichloropropene	ND		0.0855	0.0163	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Ethylbenzene	ND		0.0855	0.0274	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
2-Hexanone	ND		4.28	0.188	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Methylene Chloride	ND		0.171	0.0128	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
4-Methyl-2-pentanone	ND		0.855	0.137	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Styrene	ND		0.0855	0.0188	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
1,1,1,2-Tetrachloroethane	ND		0.0855	0.0188	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Tetrachloroethene	ND		0.0855	0.0188	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Toluene	ND		0.0855	0.0282	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
1,1,1-Trichloroethane	ND		0.0855	0.0299	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
1,1,2-Trichloroethane	ND		0.0855	0.0325	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Trichloroethene	ND		0.0855	0.0316	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Vinyl chloride	ND		0.0855	0.0308	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
o-Xylene	ND		0.0855	0.0257	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
m,p-Xylene	ND		0.171	0.0488	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0
Xylenes, total	ND		0.171	0.0744	mg/kg dry	☼	06/16/11 15:20	06/23/11 01:34	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*06/16/11 15:20*	*06/23/11 01:34*	*50.0*
Dibromofluoromethane	*89*		*75 - 125*	*06/16/11 15:20*	*06/23/11 01:34*	*50.0*
Toluene-d8	*98*		*76 - 129*	*06/16/11 15:20*	*06/23/11 01:34*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/16/11 15:20*	*06/23/11 01:34*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-06 (13-14)

Lab Sample ID: NUF2999-18

Date Collected: 06/16/11 15:20
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 89.1

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	89.1		0.500	0.500	%		06/24/11 09:02	06/24/11 12:43	1.00

Client Sample ID: HP-05 (3-4)

Date Collected: 06/16/11 15:32
Date Received: 06/17/11 08:45

Lab Sample ID: NUF2999-19

Matrix: Soil
Percent Solids: 84.5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.96	2.48	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Benzene	ND		0.0992	0.0268	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Bromodichloromethane	ND		0.0992	0.0367	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Bromoform	ND		0.0992	0.0218	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Bromomethane	ND		0.0992	0.0466	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
2-Butanone	ND		0.992	0.169	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Carbon disulfide	ND		0.0992	0.0288	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Carbon Tetrachloride	ND		0.0992	0.0268	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Chlorobenzene	ND		0.0992	0.0377	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Chlorodibromomethane	ND		0.0992	0.0297	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Chloroethane	ND		0.0992	0.0407	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Chloroform	ND		0.0992	0.0466	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Chloromethane	ND		0.0992	0.0178	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Dibromomethane	ND		0.0992	0.0426	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
1,2-Dichloroethane	ND		0.0992	0.0377	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
1,1-Dichloroethane	ND		0.0992	0.0317	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
1,1-Dichloroethene	ND		0.0992	0.0357	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
trans-1,2-Dichloroethene	ND		0.0992	0.0357	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
cis-1,2-Dichloroethene	ND		0.0992	0.0377	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
1,2-Dichloropropane	ND		0.0992	0.0327	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
trans-1,3-Dichloropropene	ND		0.0992	0.0159	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
1,1-Dichloropropene	ND		0.0992	0.0297	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
cis-1,3-Dichloropropene	ND		0.0992	0.0188	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Ethylbenzene	ND		0.0992	0.0317	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
2-Hexanone	ND		4.96	0.218	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Methylene Chloride	ND		0.198	0.0149	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
4-Methyl-2-pentanone	ND		0.992	0.159	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Styrene	ND		0.0992	0.0218	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
1,1,1,2-Tetrachloroethane	ND		0.0992	0.0218	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Tetrachloroethene	ND		0.0992	0.0218	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Toluene	ND		0.0992	0.0327	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
1,1,1-Trichloroethane	ND		0.0992	0.0347	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
1,1,2-Trichloroethane	ND		0.0992	0.0377	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Trichloroethene	ND		0.0992	0.0367	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Vinyl chloride	ND		0.0992	0.0357	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
o-Xylene	ND		0.0992	0.0297	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
m,p-Xylene	ND		0.198	0.0565	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0
Xylenes, total	ND		0.198	0.0863	mg/kg dry	☼	06/16/11 15:32	06/23/11 02:01	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*92*		*67 - 138*	*06/16/11 15:32*	*06/23/11 02:01*	*50.0*
Dibromofluoromethane	*89*		*75 - 125*	*06/16/11 15:32*	*06/23/11 02:01*	*50.0*
Toluene-d8	*98*		*76 - 129*	*06/16/11 15:32*	*06/23/11 02:01*	*50.0*
4-Bromofluorobenzene	*100*		*67 - 147*	*06/16/11 15:32*	*06/23/11 02:01*	*50.0*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**84.5**		0.500	0.500	%		06/24/11 09:02	06/24/11 12:48	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-05 (10-11)

Lab Sample ID: NUF2999-20

Date Collected: 06/16/11 15:40
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 84.7

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4.90	2.45	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Benzene	ND		0.0981	0.0265	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Bromodichloromethane	ND		0.0981	0.0363	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Bromoform	ND		0.0981	0.0216	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Bromomethane	ND		0.0981	0.0461	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
2-Butanone	ND		0.981	0.167	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Carbon disulfide	ND		0.0981	0.0284	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Carbon Tetrachloride	ND		0.0981	0.0265	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Chlorobenzene	ND		0.0981	0.0373	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Chlorodibromomethane	ND		0.0981	0.0294	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Chloroethane	ND		0.0981	0.0402	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Chloroform	ND		0.0981	0.0461	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Chloromethane	ND		0.0981	0.0177	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Dibromomethane	ND		0.0981	0.0422	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
1,2-Dichloroethane	ND		0.0981	0.0373	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
1,1-Dichloroethane	ND		0.0981	0.0314	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
1,1-Dichloroethene	ND		0.0981	0.0353	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
trans-1,2-Dichloroethene	ND		0.0981	0.0353	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
cis-1,2-Dichloroethene	ND		0.0981	0.0373	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
1,2-Dichloropropane	ND		0.0981	0.0324	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
trans-1,3-Dichloropropene	ND		0.0981	0.0157	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
1,1-Dichloropropene	ND		0.0981	0.0294	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
cis-1,3-Dichloropropene	ND		0.0981	0.0186	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Ethylbenzene	ND		0.0981	0.0314	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
2-Hexanone	ND		4.90	0.216	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Methylene Chloride	ND		0.196	0.0147	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
4-Methyl-2-pentanone	ND		0.981	0.157	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Styrene	ND		0.0981	0.0216	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
1,1,1,2-Tetrachloroethane	ND		0.0981	0.0216	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Tetrachloroethene	ND		0.0981	0.0216	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Toluene	ND		0.0981	0.0324	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
1,1,1-Trichloroethane	ND		0.0981	0.0343	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
1,1,2-Trichloroethane	ND		0.0981	0.0373	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Trichloroethene	ND		0.0981	0.0363	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Vinyl chloride	ND		0.0981	0.0353	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
o-Xylene	ND		0.0981	0.0294	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
m,p-Xylene	ND		0.196	0.0559	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0
Xylenes, total	ND		0.196	0.0853	mg/kg dry	☼	06/16/11 15:40	06/23/11 02:27	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*93*		*67 - 138*	*06/16/11 15:40*	*06/23/11 02:27*	*50.0*
Dibromofluoromethane	*87*		*75 - 125*	*06/16/11 15:40*	*06/23/11 02:27*	*50.0*
Toluene-d8	*98*		*76 - 129*	*06/16/11 15:40*	*06/23/11 02:27*	*50.0*
4-Bromofluorobenzene	*99*		*67 - 147*	*06/16/11 15:40*	*06/23/11 02:27*	*50.0*

Method: subcontract - Subcontracted Analysis

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
See Attached Report	**0.00**				%		06/27/11 15:52	06/27/11 15:53	1.00

Client Sample Results

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Client Sample ID: HP-05 (10-11)

Lab Sample ID: NUF2999-20

Date Collected: 06/16/11 15:40
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 84.7

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	84.7		0.500	0.500	%		06/24/11 09:02	06/24/11 12:43	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11F4937-BLK1
Matrix: Soil
Analysis Batch: U011188

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F4937_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0500	0.0250	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Benzene	ND		0.00100	0.000270	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Bromodichloromethane	ND		0.00100	0.000370	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Bromoform	ND		0.00100	0.000220	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Bromomethane	ND		0.00100	0.000470	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
2-Butanone	ND		0.0100	0.00170	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Carbon disulfide	ND		0.00100	0.000290	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Carbon Tetrachloride	ND		0.00100	0.000270	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Chlorobenzene	ND		0.00100	0.000380	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Chlorodibromomethane	ND		0.00100	0.000300	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Chloroethane	ND		0.00100	0.000410	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Chloroform	ND		0.00100	0.000470	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Chloromethane	ND		0.00100	0.000180	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Dibromomethane	ND		0.00100	0.000430	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
1,2-Dichloroethane	ND		0.00100	0.000380	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
1,1-Dichloroethane	ND		0.00100	0.000320	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
1,1-Dichloroethene	ND		0.00100	0.000360	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
trans-1,2-Dichloroethene	ND		0.00100	0.000360	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
cis-1,2-Dichloroethene	ND		0.00100	0.000380	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
1,2-Dichloropropane	ND		0.00100	0.000330	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
trans-1,3-Dichloropropene	ND		0.00100	0.000160	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
1,1-Dichloropropene	ND		0.00100	0.000300	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
cis-1,3-Dichloropropene	ND		0.00100	0.000190	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Ethylbenzene	ND		0.00100	0.000320	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
2-Hexanone	ND		0.0500	0.00220	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Methylene Chloride	ND		0.00200	0.000150	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
4-Methyl-2-pentanone	ND		0.0100	0.00160	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Styrene	ND		0.00100	0.000220	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
1,1,1,2-Tetrachloroethane	ND		0.00100	0.000220	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Tetrachloroethene	ND		0.00100	0.000220	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Toluene	ND		0.00100	0.000330	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
1,1,1-Trichloroethane	ND		0.00100	0.000350	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
1,1,2-Trichloroethane	ND		0.00100	0.000380	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Trichloroethene	ND		0.00100	0.000370	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Vinyl chloride	ND		0.00100	0.000360	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
o-Xylene	ND		0.00100	0.000300	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
m,p-Xylene	ND		0.00200	0.000570	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00
Xylenes, total	ND		0.00200	0.000870	mg/kg wet		06/22/11 15:45	06/22/11 18:08	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*67 - 138*	*06/22/11 15:45*	*06/22/11 18:08*	*1.00*
Dibromofluoromethane	*95*		*75 - 125*	*06/22/11 15:45*	*06/22/11 18:08*	*1.00*
Toluene-d8	*102*		*76 - 129*	*06/22/11 15:45*	*06/22/11 18:08*	*1.00*
4-Bromofluorobenzene	*104*		*67 - 147*	*06/22/11 15:45*	*06/22/11 18:08*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F4937-BLK2
Matrix: Soil
Analysis Batch: U011188

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F4937_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	1.25	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Benzene	ND		0.0500	0.0135	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Bromodichloromethane	ND		0.0500	0.0185	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Bromoform	ND		0.0500	0.0110	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Bromomethane	ND		0.0500	0.0235	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
2-Butanone	ND		0.500	0.0850	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Carbon disulfide	ND		0.0500	0.0145	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Carbon Tetrachloride	ND		0.0500	0.0135	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Chlorobenzene	ND		0.0500	0.0190	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Chlorodibromomethane	ND		0.0500	0.0150	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Chloroethane	ND		0.0500	0.0205	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Chloroform	ND		0.0500	0.0235	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Chloromethane	ND		0.0500	0.00900	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Dibromomethane	ND		0.0500	0.0215	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
1,2-Dichloroethane	ND		0.0500	0.0190	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
1,1-Dichloroethane	ND		0.0500	0.0160	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
1,1-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
trans-1,2-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
cis-1,2-Dichloroethene	ND		0.0500	0.0190	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
1,2-Dichloropropane	ND		0.0500	0.0165	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
trans-1,3-Dichloropropene	ND		0.0500	0.00800	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
1,1-Dichloropropene	ND		0.0500	0.0150	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
cis-1,3-Dichloropropene	ND		0.0500	0.00950	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Ethylbenzene	ND		0.0500	0.0160	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
2-Hexanone	ND		2.50	0.110	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Methylene Chloride	0.0255	J	0.100	0.00750	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
4-Methyl-2-pentanone	ND		0.500	0.0800	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Styrene	ND		0.0500	0.0110	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
1,1,1,2-Tetrachloroethane	ND		0.0500	0.0110	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Tetrachloroethene	ND		0.0500	0.0110	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Toluene	ND		0.0500	0.0165	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
1,1,1-Trichloroethane	ND		0.0500	0.0175	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
1,1,2-Trichloroethane	ND		0.0500	0.0190	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Trichloroethene	ND		0.0500	0.0185	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Vinyl chloride	ND		0.0500	0.0180	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
o-Xylene	ND		0.0500	0.0150	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
m,p-Xylene	ND		0.100	0.0285	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0
Xylenes, total	ND		0.100	0.0435	mg/kg wet		06/22/11 15:45	06/22/11 18:34	50.0

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*92*		*67 - 138*	*06/22/11 15:45*	*06/22/11 18:34*	*50.0*
Dibromofluoromethane	*95*		*75 - 125*	*06/22/11 15:45*	*06/22/11 18:34*	*50.0*
Toluene-d8	*100*		*76 - 129*	*06/22/11 15:45*	*06/22/11 18:34*	*50.0*
4-Bromofluorobenzene	*107*		*67 - 147*	*06/22/11 15:45*	*06/22/11 18:34*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F4937-BS1
Matrix: Soil
Analysis Batch: U011188

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F4937_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	250	240		ug/kg		96	60 - 150
Benzene	50.0	50.2		ug/kg		100	78 - 126
Bromodichloromethane	50.0	49.5		ug/kg		99	75 - 129
Bromoform	50.0	51.3		ug/kg		103	74 - 133
Bromomethane	50.0	39.8		ug/kg		80	50 - 150
2-Butanone	250	242		ug/kg		97	68 - 149
Carbon disulfide	50.0	45.0		ug/kg		90	80 - 132
Carbon Tetrachloride	50.0	50.3		ug/kg		101	70 - 138
Chlorobenzene	50.0	51.7		ug/kg		103	80 - 123
Chlorodibromomethane	50.0	51.1		ug/kg		102	80 - 127
Chloroethane	50.0	43.3		ug/kg		87	55 - 150
Chloroform	50.0	49.7		ug/kg		99	70 - 127
Chloromethane	50.0	48.8		ug/kg		98	36 - 137
Dibromomethane	50.0	47.5		ug/kg		95	78 - 128
1,2-Dichloroethane	50.0	48.2		ug/kg		96	70 - 139
1,1-Dichloroethane	50.0	48.6		ug/kg		97	71 - 126
1,1-Dichloroethene	50.0	55.2		ug/kg		110	70 - 125
trans-1,2-Dichloroethene	50.0	47.6		ug/kg		95	73 - 128
cis-1,2-Dichloroethene	50.0	48.4		ug/kg		97	75 - 126
1,2-Dichloropropane	50.0	47.7		ug/kg		95	75 - 120
trans-1,3-Dichloropropene	50.0	52.2		ug/kg		104	73 - 128
1,1-Dichloropropene	50.0	48.8		ug/kg		98	78 - 125
cis-1,3-Dichloropropene	50.0	51.3		ug/kg		103	74 - 136
Ethylbenzene	50.0	51.9		ug/kg		104	79 - 130
2-Hexanone	250	252		ug/kg		101	65 - 150
Methylene Chloride	50.0	47.9	B	ug/kg		96	69 - 140
4-Methyl-2-pentanone	250	252		ug/kg		101	67 - 147
Styrene	50.0	49.0		ug/kg		98	80 - 140
1,1,1,2-Tetrachloroethane	50.0	52.9		ug/kg		106	80 - 132
Tetrachloroethene	50.0	51.2		ug/kg		102	76 - 130
Toluene	50.0	51.3		ug/kg		103	76 - 126
1,1,1-Trichloroethane	50.0	50.4		ug/kg		101	70 - 132
1,1,2-Trichloroethane	50.0	52.8		ug/kg		106	73 - 133
Trichloroethene	50.0	51.3		ug/kg		103	79 - 129
Vinyl chloride	50.0	45.8		ug/kg		92	53 - 142
o-Xylene	50.0	50.0		ug/kg		100	80 - 131
m,p-Xylene	100	101		ug/kg		101	80 - 131
Xylenes, total	150	151		ug/kg		100	80 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*86*		*67 - 138*
Dibromofluoromethane	*92*		*75 - 125*
Toluene-d8	*98*		*76 - 129*
4-Bromofluorobenzene	*114*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F4937-MS1
Matrix: Soil
Analysis Batch: U011188

Client Sample ID: HP-17A (10-11)
Prep Type: Total
Prep Batch: 11F4937_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	ND		22.4	22.1		mg/kg dry	☼	98	29 - 181
Benzene	ND		4.49	4.63		mg/kg dry	☼	103	42 - 141
Bromodichloromethane	ND		4.49	4.75		mg/kg dry	☼	106	32 - 155
Bromoform	ND		4.49	4.82		mg/kg dry	☼	107	10 - 155
Bromomethane	ND		4.49	2.32		mg/kg dry	☼	52	10 - 199
2-Butanone	ND		22.4	21.9		mg/kg dry	☼	97	38 - 161
Carbon disulfide	ND		4.49	4.05		mg/kg dry	☼	90	50 - 136
Carbon Tetrachloride	ND		4.49	4.84		mg/kg dry	☼	108	30 - 159
Chlorobenzene	ND		4.49	5.10		mg/kg dry	☼	114	25 - 151
Chlorodibromomethane	ND		4.49	4.86		mg/kg dry	☼	108	27 - 150
Chloroethane	ND		4.49	2.19		mg/kg dry	☼	49	15 - 197
Chloroform	ND		4.49	4.69		mg/kg dry	☼	104	33 - 148
Chloromethane	ND		4.49	4.39		mg/kg dry	☼	98	10 - 166
Dibromomethane	ND		4.49	4.51		mg/kg dry	☼	101	30 - 149
1,2-Dichloroethane	ND		4.49	4.33		mg/kg dry	☼	96	32 - 155
1,1-Dichloroethane	ND		4.49	4.99		mg/kg dry	☼	111	51 - 135
1,1-Dichloroethene	ND		4.49	5.39		mg/kg dry	☼	120	46 - 141
trans-1,2-Dichloroethene	ND		4.49	4.77		mg/kg dry	☼	106	41 - 146
cis-1,2-Dichloroethene	ND		4.49	4.71		mg/kg dry	☼	105	32 - 150
1,2-Dichloropropane	ND		4.49	4.73		mg/kg dry	☼	105	34 - 139
trans-1,3-Dichloropropene	ND		4.49	4.72		mg/kg dry	☼	105	24 - 151
1,1-Dichloropropene	ND		4.49	4.56		mg/kg dry	☼	102	40 - 151
cis-1,3-Dichloropropene	ND		4.49	5.06		mg/kg dry	☼	113	23 - 152
Ethylbenzene	ND		4.49	5.19		mg/kg dry	☼	116	21 - 165
2-Hexanone	ND		22.4	21.9		mg/kg dry	☼	98	13 - 174
Methylene Chloride	ND		4.49	4.55	B	mg/kg dry	☼	101	36 - 163
4-Methyl-2-pentanone	ND		22.4	22.6		mg/kg dry	☼	101	19 - 176
Styrene	ND		4.49	4.86		mg/kg dry	☼	108	10 - 177
1,1,1,2-Tetrachloroethane	ND		4.49	5.26		mg/kg dry	☼	117	31 - 150
Tetrachloroethene	ND		4.49	5.12		mg/kg dry	☼	114	33 - 155
Toluene	ND		4.49	5.05		mg/kg dry	☼	113	45 - 145
1,1,1-Trichloroethane	ND		4.49	4.79		mg/kg dry	☼	107	39 - 148
1,1,2-Trichloroethane	ND		4.49	4.98		mg/kg dry	☼	111	43 - 145
Trichloroethene	ND		4.49	5.07		mg/kg dry	☼	113	39 - 150
Vinyl chloride	ND		4.49	4.03		mg/kg dry	☼	90	32 - 163
o-Xylene	ND		4.49	4.99		mg/kg dry	☼	111	36 - 148
m,p-Xylene	ND		8.98	9.96		mg/kg dry	☼	111	31 - 159
Xylenes, total	ND		13.5	14.9		mg/kg dry	☼	111	31 - 159

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*80*		*67 - 138*
Dibromofluoromethane	*87*		*75 - 125*
Toluene-d8	*97*		*76 - 129*
4-Bromofluorobenzene	*106*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F4937-MSD1
Matrix: Soil
Analysis Batch: U011188

Client Sample ID: HP-17A (10-11)
Prep Type: Total
Prep Batch: 11F4937_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	ND		22.4	20.0		mg/kg dry	☼	89	29 - 181	10	50
Benzene	ND		4.49	4.60		mg/kg dry	☼	103	42 - 141	0.6	50
Bromodichloromethane	ND		4.49	4.60		mg/kg dry	☼	103	32 - 155	3	50
Bromoform	ND		4.49	4.62		mg/kg dry	☼	103	10 - 155	4	43
Bromomethane	ND		4.49	2.10		mg/kg dry	☼	47	10 - 199	10	46
2-Butanone	ND		22.4	21.7		mg/kg dry	☼	97	38 - 161	0.8	50
Carbon disulfide	ND		4.49	3.78		mg/kg dry	☼	84	50 - 136	7	48
Carbon Tetrachloride	ND		4.49	4.62		mg/kg dry	☼	103	30 - 159	5	44
Chlorobenzene	ND		4.49	4.98		mg/kg dry	☼	111	25 - 151	2	50
Chlorodibromomethane	ND		4.49	4.71		mg/kg dry	☼	105	27 - 150	3	48
Chloroethane	ND		4.49	1.70		mg/kg dry	☼	38	15 - 197	25	50
Chloroform	ND		4.49	4.62		mg/kg dry	☼	103	33 - 148	1	50
Chloromethane	ND		4.49	4.42		mg/kg dry	☼	98	10 - 166	0.7	44
Dibromomethane	ND		4.49	4.39		mg/kg dry	☼	98	30 - 149	3	50
1,2-Dichloroethane	ND		4.49	4.34		mg/kg dry	☼	97	32 - 155	0.4	50
1,1-Dichloroethane	ND		4.49	4.84		mg/kg dry	☼	108	51 - 135	3	50
1,1-Dichloroethene	ND		4.49	5.03		mg/kg dry	☼	112	46 - 141	7	50
trans-1,2-Dichloroethene	ND		4.49	4.59		mg/kg dry	☼	102	41 - 146	4	40
cis-1,2-Dichloroethene	ND		4.49	4.57		mg/kg dry	☼	102	32 - 150	3	50
1,2-Dichloropropane	ND		4.49	4.58		mg/kg dry	☼	102	34 - 139	3	50
trans-1,3-Dichloropropene	ND		4.49	4.59		mg/kg dry	☼	102	24 - 151	3	48
1,1-Dichloropropene	ND		4.49	4.49		mg/kg dry	☼	100	40 - 151	2	50
cis-1,3-Dichloropropene	ND		4.49	4.86		mg/kg dry	☼	108	23 - 152	4	50
Ethylbenzene	ND		4.49	5.09		mg/kg dry	☼	113	21 - 165	2	50
2-Hexanone	ND		22.4	21.7		mg/kg dry	☼	97	13 - 174	1	50
Methylene Chloride	ND		4.49	4.40	B	mg/kg dry	☼	98	36 - 163	3	50
4-Methyl-2-pentanone	ND		22.4	21.7		mg/kg dry	☼	97	19 - 176	4	45
Styrene	ND		4.49	4.78		mg/kg dry	☼	106	10 - 177	2	50
1,1,1,2-Tetrachloroethane	ND		4.49	5.09		mg/kg dry	☼	113	31 - 150	3	50
Tetrachloroethene	ND		4.49	5.00		mg/kg dry	☼	111	33 - 155	2	50
Toluene	ND		4.49	4.90		mg/kg dry	☼	109	45 - 145	3	50
1,1,1-Trichloroethane	ND		4.49	4.68		mg/kg dry	☼	104	39 - 148	2	41
1,1,2-Trichloroethane	ND		4.49	4.89		mg/kg dry	☼	109	43 - 145	2	50
Trichloroethene	ND		4.49	4.96		mg/kg dry	☼	111	39 - 150	2	50
Vinyl chloride	ND		4.49	4.07		mg/kg dry	☼	91	32 - 163	0.9	39
o-Xylene	ND		4.49	4.93		mg/kg dry	☼	110	36 - 148	1	50
m,p-Xylene	ND		8.98	9.84		mg/kg dry	☼	110	31 - 159	1	50
Xylenes, total	ND		13.5	14.8		mg/kg dry	☼	110	31 - 159	1	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*83*		*67 - 138*
Dibromofluoromethane	*89*		*75 - 125*
Toluene-d8	*99*		*76 - 129*
4-Bromofluorobenzene	*105*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5290-BLK1
Matrix: Soil
Analysis Batch: U011258

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F5290_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0500	0.0250	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Benzene	ND		0.00100	0.000270	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Bromodichloromethane	ND		0.00100	0.000370	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Bromoform	ND		0.00100	0.000220	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Bromomethane	ND		0.00100	0.000470	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
2-Butanone	ND		0.0100	0.00170	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Carbon disulfide	ND		0.00100	0.000290	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Carbon Tetrachloride	ND		0.00100	0.000270	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Chlorobenzene	ND		0.00100	0.000380	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Chlorodibromomethane	ND		0.00100	0.000300	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Chloroethane	ND		0.00100	0.000410	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Chloroform	ND		0.00100	0.000470	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Chloromethane	ND		0.00100	0.000180	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Dibromomethane	ND		0.00100	0.000430	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
1,2-Dichloroethane	ND		0.00100	0.000380	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
1,1-Dichloroethane	ND		0.00100	0.000320	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
1,1-Dichloroethene	ND		0.00100	0.000360	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
trans-1,2-Dichloroethene	ND		0.00100	0.000360	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
cis-1,2-Dichloroethene	ND		0.00100	0.000380	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
1,2-Dichloropropane	ND		0.00100	0.000330	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
trans-1,3-Dichloropropene	ND		0.00100	0.000160	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
1,1-Dichloropropene	ND		0.00100	0.000300	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
cis-1,3-Dichloropropene	ND		0.00100	0.000190	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Ethylbenzene	ND		0.00100	0.000320	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
2-Hexanone	ND		0.0500	0.00220	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Methylene Chloride	ND		0.00200	0.000150	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
4-Methyl-2-pentanone	ND		0.0100	0.00160	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Styrene	ND		0.00100	0.000220	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
1,1,1,2-Tetrachloroethane	ND		0.00100	0.000220	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Tetrachloroethene	ND		0.00100	0.000220	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Toluene	ND		0.00100	0.000330	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
1,1,1-Trichloroethane	ND		0.00100	0.000350	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
1,1,2-Trichloroethane	ND		0.00100	0.000380	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Trichloroethene	ND		0.00100	0.000370	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Vinyl chloride	ND		0.00100	0.000360	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
o-Xylene	ND		0.00100	0.000300	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
m,p-Xylene	ND		0.00200	0.000570	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00
Xylenes, total	ND		0.00200	0.000870	mg/kg wet		06/23/11 03:20	06/23/11 05:31	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*67 - 138*	*06/23/11 03:20*	*06/23/11 05:31*	*1.00*
Dibromofluoromethane	*94*		*75 - 125*	*06/23/11 03:20*	*06/23/11 05:31*	*1.00*
Toluene-d8	*99*		*76 - 129*	*06/23/11 03:20*	*06/23/11 05:31*	*1.00*
4-Bromofluorobenzene	*101*		*67 - 147*	*06/23/11 03:20*	*06/23/11 05:31*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5290-BLK2
Matrix: Soil
Analysis Batch: U011258

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F5290_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	1.25	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Benzene	ND		0.0500	0.0135	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Bromodichloromethane	ND		0.0500	0.0185	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Bromoform	ND		0.0500	0.0110	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Bromomethane	ND		0.0500	0.0235	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
2-Butanone	ND		0.500	0.0850	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Carbon disulfide	ND		0.0500	0.0145	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Carbon Tetrachloride	ND		0.0500	0.0135	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Chlorobenzene	ND		0.0500	0.0190	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Chlorodibromomethane	ND		0.0500	0.0150	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Chloroethane	ND		0.0500	0.0205	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Chloroform	ND		0.0500	0.0235	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Chloromethane	ND		0.0500	0.00900	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Dibromomethane	ND		0.0500	0.0215	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
1,2-Dichloroethane	ND		0.0500	0.0190	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
1,1-Dichloroethane	ND		0.0500	0.0160	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
1,1-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
trans-1,2-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
cis-1,2-Dichloroethene	ND		0.0500	0.0190	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
1,2-Dichloropropane	ND		0.0500	0.0165	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
trans-1,3-Dichloropropene	ND		0.0500	0.00800	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
1,1-Dichloropropene	ND		0.0500	0.0150	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
cis-1,3-Dichloropropene	ND		0.0500	0.00950	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Ethylbenzene	ND		0.0500	0.0160	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
2-Hexanone	ND		2.50	0.110	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Methylene Chloride	ND		0.100	0.00750	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
4-Methyl-2-pentanone	ND		0.500	0.0800	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Styrene	ND		0.0500	0.0110	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
1,1,1,2-Tetrachloroethane	ND		0.0500	0.0110	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Tetrachloroethene	ND		0.0500	0.0110	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Toluene	ND		0.0500	0.0165	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
1,1,1-Trichloroethane	ND		0.0500	0.0175	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
1,1,2-Trichloroethane	ND		0.0500	0.0190	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Trichloroethene	ND		0.0500	0.0185	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Vinyl chloride	ND		0.0500	0.0180	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
o-Xylene	ND		0.0500	0.0150	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
m,p-Xylene	ND		0.100	0.0285	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0
Xylenes, total	ND		0.100	0.0435	mg/kg wet		06/23/11 03:20	06/23/11 05:57	50.0

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*95*		*67 - 138*	*06/23/11 03:20*	*06/23/11 05:57*	*50.0*
Dibromofluoromethane	*91*		*75 - 125*	*06/23/11 03:20*	*06/23/11 05:57*	*50.0*
Toluene-d8	*101*		*76 - 129*	*06/23/11 03:20*	*06/23/11 05:57*	*50.0*
4-Bromofluorobenzene	*102*		*67 - 147*	*06/23/11 03:20*	*06/23/11 05:57*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5290-BS1
Matrix: Soil
Analysis Batch: U011258

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F5290_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	250	243		ug/kg		97	60 - 150
Benzene	50.0	50.9		ug/kg		102	78 - 126
Bromodichloromethane	50.0	50.1		ug/kg		100	75 - 129
Bromoform	50.0	50.9		ug/kg		102	74 - 133
Bromomethane	50.0	37.2		ug/kg		74	50 - 150
2-Butanone	250	240		ug/kg		96	68 - 149
Carbon disulfide	50.0	45.9		ug/kg		92	80 - 132
Carbon Tetrachloride	50.0	50.4		ug/kg		101	70 - 138
Chlorobenzene	50.0	52.7		ug/kg		105	80 - 123
Chlorodibromomethane	50.0	50.9		ug/kg		102	80 - 127
Chloroethane	50.0	41.8		ug/kg		84	55 - 150
Chloroform	50.0	47.7		ug/kg		95	70 - 127
Chloromethane	50.0	49.5		ug/kg		99	36 - 137
Dibromomethane	50.0	48.8		ug/kg		98	78 - 128
1,2-Dichloroethane	50.0	47.6		ug/kg		95	70 - 139
1,1-Dichloroethane	50.0	50.7		ug/kg		101	71 - 126
1,1-Dichloroethene	50.0	57.1		ug/kg		114	70 - 125
trans-1,2-Dichloroethene	50.0	49.5		ug/kg		99	73 - 128
cis-1,2-Dichloroethene	50.0	48.6		ug/kg		97	75 - 126
1,2-Dichloropropane	50.0	49.1		ug/kg		98	75 - 120
trans-1,3-Dichloropropene	50.0	51.3		ug/kg		103	73 - 128
1,1-Dichloropropene	50.0	50.2		ug/kg		100	78 - 125
cis-1,3-Dichloropropene	50.0	54.3		ug/kg		109	74 - 136
Ethylbenzene	50.0	53.4		ug/kg		107	79 - 130
2-Hexanone	250	250		ug/kg		100	65 - 150
Methylene Chloride	50.0	48.6		ug/kg		97	69 - 140
4-Methyl-2-pentanone	250	248		ug/kg		99	67 - 147
Styrene	50.0	50.5		ug/kg		101	80 - 140
1,1,1,2-Tetrachloroethane	50.0	53.5		ug/kg		107	80 - 132
Tetrachloroethene	50.0	53.0		ug/kg		106	76 - 130
Toluene	50.0	53.2		ug/kg		106	76 - 126
1,1,1-Trichloroethane	50.0	49.0		ug/kg		98	70 - 132
1,1,2-Trichloroethane	50.0	53.8		ug/kg		108	73 - 133
Trichloroethene	50.0	53.0		ug/kg		106	79 - 129
Vinyl chloride	50.0	44.4		ug/kg		89	53 - 142
o-Xylene	50.0	52.4		ug/kg		105	80 - 131
m,p-Xylene	100	104		ug/kg		104	80 - 131
Xylenes, total	150	156		ug/kg		104	80 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*87*		*67 - 138*
Dibromofluoromethane	*88*		*75 - 125*
Toluene-d8	*99*		*76 - 129*
4-Bromofluorobenzene	*111*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5290-MS1
Matrix: Soil
Analysis Batch: U011258

Client Sample ID: HP-02 (11-12)
Prep Type: Total
Prep Batch: 11F5290_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	ND		27.0	27.7		mg/kg dry	☼	103	29 - 181
Benzene	ND		5.40	5.64		mg/kg dry	☼	105	42 - 141
Bromodichloromethane	ND		5.40	5.35		mg/kg dry	☼	99	32 - 155
Bromoform	ND		5.40	5.59		mg/kg dry	☼	104	10 - 155
Bromomethane	ND		5.40	2.70		mg/kg dry	☼	50	10 - 199
2-Butanone	ND		27.0	25.4		mg/kg dry	☼	94	38 - 161
Carbon disulfide	ND		5.40	4.95		mg/kg dry	☼	92	50 - 136
Carbon Tetrachloride	ND		5.40	5.48		mg/kg dry	☼	102	30 - 159
Chlorobenzene	ND		5.40	5.85		mg/kg dry	☼	108	25 - 151
Chlorodibromomethane	ND		5.40	5.57		mg/kg dry	☼	103	27 - 150
Chloroethane	ND		5.40	2.28		mg/kg dry	☼	42	15 - 197
Chloroform	ND		5.40	5.36		mg/kg dry	☼	99	33 - 148
Chloromethane	ND		5.40	5.05		mg/kg dry	☼	94	10 - 166
Dibromomethane	ND		5.40	5.11		mg/kg dry	☼	95	30 - 149
1,2-Dichloroethane	ND		5.40	5.21		mg/kg dry	☼	97	32 - 155
1,1-Dichloroethane	ND		5.40	5.68		mg/kg dry	☼	105	51 - 135
1,1-Dichloroethene	ND		5.40	6.26		mg/kg dry	☼	116	46 - 141
trans-1,2-Dichloroethene	ND		5.40	5.54		mg/kg dry	☼	103	41 - 146
cis-1,2-Dichloroethene	ND		5.40	5.17		mg/kg dry	☼	96	32 - 150
1,2-Dichloropropane	ND		5.40	5.27		mg/kg dry	☼	98	34 - 139
trans-1,3-Dichloropropene	ND		5.40	5.55		mg/kg dry	☼	103	24 - 151
1,1-Dichloropropene	ND		5.40	5.34		mg/kg dry	☼	99	40 - 151
cis-1,3-Dichloropropene	ND		5.40	5.88		mg/kg dry	☼	109	23 - 152
Ethylbenzene	ND		5.40	5.95		mg/kg dry	☼	110	21 - 165
2-Hexanone	ND		27.0	27.4		mg/kg dry	☼	102	13 - 174
Methylene Chloride	0.0410	J	5.40	5.36		mg/kg dry	☼	99	36 - 163
4-Methyl-2-pentanone	ND		27.0	26.3		mg/kg dry	☼	98	19 - 176
Styrene	ND		5.40	5.63		mg/kg dry	☼	104	10 - 177
1,1,1,2-Tetrachloroethane	ND		5.40	5.91		mg/kg dry	☼	110	31 - 150
Tetrachloroethene	ND		5.40	5.98		mg/kg dry	☼	111	33 - 155
Toluene	ND		5.40	5.75		mg/kg dry	☼	107	45 - 145
1,1,1-Trichloroethane	ND		5.40	5.48		mg/kg dry	☼	102	39 - 148
1,1,2-Trichloroethane	ND		5.40	5.80		mg/kg dry	☼	107	43 - 145
Trichloroethene	ND		5.40	5.84		mg/kg dry	☼	108	39 - 150
Vinyl chloride	ND		5.40	4.77		mg/kg dry	☼	88	32 - 163
o-Xylene	ND		5.40	5.82		mg/kg dry	☼	108	36 - 148
m,p-Xylene	ND		10.8	11.7		mg/kg dry	☼	108	31 - 159
Xylenes, total	ND		16.2	17.5		mg/kg dry	☼	108	31 - 159

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*84*		*67 - 138*
Dibromofluoromethane	*90*		*75 - 125*
Toluene-d8	*98*		*76 - 129*
4-Bromofluorobenzene	*109*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F5290-MSD1
Matrix: Soil
Analysis Batch: U011258

Client Sample ID: HP-02 (11-12)
Prep Type: Total
Prep Batch: 11F5290_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	ND		27.0	28.9		mg/kg dry	☼	107	29 - 181	4	50
Benzene	ND		5.40	5.88		mg/kg dry	☼	109	42 - 141	4	50
Bromodichloromethane	ND		5.40	5.86		mg/kg dry	☼	109	32 - 155	9	50
Bromoform	ND		5.40	5.90		mg/kg dry	☼	109	10 - 155	5	43
Bromomethane	ND		5.40	2.85		mg/kg dry	☼	53	10 - 199	5	46
2-Butanone	ND		27.0	29.5		mg/kg dry	☼	109	38 - 161	15	50
Carbon disulfide	ND		5.40	5.16		mg/kg dry	☼	96	50 - 136	4	48
Carbon Tetrachloride	ND		5.40	5.97		mg/kg dry	☼	111	30 - 159	9	44
Chlorobenzene	ND		5.40	6.27		mg/kg dry	☼	116	25 - 151	7	50
Chlorodibromomethane	ND		5.40	5.94		mg/kg dry	☼	110	27 - 150	6	48
Chloroethane	ND		5.40	2.33		mg/kg dry	☼	43	15 - 197	2	50
Chloroform	ND		5.40	5.78		mg/kg dry	☼	107	33 - 148	7	50
Chloromethane	ND		5.40	5.57		mg/kg dry	☼	103	10 - 166	10	44
Dibromomethane	ND		5.40	5.48		mg/kg dry	☼	102	30 - 149	7	50
1,2-Dichloroethane	ND		5.40	5.46		mg/kg dry	☼	101	32 - 155	5	50
1,1-Dichloroethane	ND		5.40	6.07		mg/kg dry	☼	113	51 - 135	7	50
1,1-Dichloroethene	ND		5.40	6.44		mg/kg dry	☼	119	46 - 141	3	50
trans-1,2-Dichloroethene	ND		5.40	5.88		mg/kg dry	☼	109	41 - 146	6	40
cis-1,2-Dichloroethene	ND		5.40	5.92		mg/kg dry	☼	110	32 - 150	14	50
1,2-Dichloropropane	ND		5.40	5.72		mg/kg dry	☼	106	34 - 139	8	50
trans-1,3-Dichloropropene	ND		5.40	5.94		mg/kg dry	☼	110	24 - 151	7	48
1,1-Dichloropropene	ND		5.40	5.81		mg/kg dry	☼	108	40 - 151	8	50
cis-1,3-Dichloropropene	ND		5.40	6.31		mg/kg dry	☼	117	23 - 152	7	50
Ethylbenzene	ND		5.40	6.44		mg/kg dry	☼	119	21 - 165	8	50
2-Hexanone	ND		27.0	29.5		mg/kg dry	☼	109	13 - 174	7	50
Methylene Chloride	0.0410	J	5.40	5.66		mg/kg dry	☼	104	36 - 163	5	50
4-Methyl-2-pentanone	ND		27.0	28.7		mg/kg dry	☼	106	19 - 176	9	45
Styrene	ND		5.40	6.09		mg/kg dry	☼	113	10 - 177	8	50
1,1,1,2-Tetrachloroethane	ND		5.40	6.41		mg/kg dry	☼	119	31 - 150	8	50
Tetrachloroethene	ND		5.40	6.44		mg/kg dry	☼	119	33 - 155	7	50
Toluene	ND		5.40	6.32		mg/kg dry	☼	117	45 - 145	9	50
1,1,1-Trichloroethane	ND		5.40	5.90		mg/kg dry	☼	109	39 - 148	7	41
1,1,2-Trichloroethane	ND		5.40	6.25		mg/kg dry	☼	116	43 - 145	8	50
Trichloroethene	ND		5.40	6.28		mg/kg dry	☼	116	39 - 150	7	50
Vinyl chloride	ND		5.40	5.24		mg/kg dry	☼	97	32 - 163	9	39
o-Xylene	ND		5.40	6.27		mg/kg dry	☼	116	36 - 148	7	50
m,p-Xylene	ND		10.8	12.7		mg/kg dry	☼	117	31 - 159	8	50
Xylenes, total	ND		16.2	19.0		mg/kg dry	☼	117	31 - 159	8	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*82*		*67 - 138*
Dibromofluoromethane	*88*		*75 - 125*
Toluene-d8	*98*		*76 - 129*
4-Bromofluorobenzene	*106*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F6073-BLK1
Matrix: Soil
Analysis Batch: U011265

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F6073_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0500	0.0250	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Benzene	ND		0.00100	0.000270	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Bromodichloromethane	ND		0.00100	0.000370	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Bromoform	ND		0.00100	0.000220	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Bromomethane	ND		0.00100	0.000470	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
2-Butanone	ND		0.0100	0.00170	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Carbon disulfide	ND		0.00100	0.000290	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Carbon Tetrachloride	ND		0.00100	0.000270	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Chlorobenzene	ND		0.00100	0.000380	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Chlorodibromomethane	ND		0.00100	0.000300	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Chloroethane	ND		0.00100	0.000410	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Chloroform	ND		0.00100	0.000470	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Chloromethane	ND		0.00100	0.000180	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Dibromomethane	ND		0.00100	0.000430	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
1,2-Dichloroethane	ND		0.00100	0.000380	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
1,1-Dichloroethane	ND		0.00100	0.000320	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
1,1-Dichloroethene	ND		0.00100	0.000360	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
trans-1,2-Dichloroethene	ND		0.00100	0.000360	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
cis-1,2-Dichloroethene	ND		0.00100	0.000380	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
1,2-Dichloropropane	ND		0.00100	0.000330	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
trans-1,3-Dichloropropene	ND		0.00100	0.000160	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
1,1-Dichloropropene	ND		0.00100	0.000300	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
cis-1,3-Dichloropropene	ND		0.00100	0.000190	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Ethylbenzene	ND		0.00100	0.000320	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
2-Hexanone	ND		0.0500	0.00220	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Methylene Chloride	0.000830	J	0.00200	0.000150	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
4-Methyl-2-pentanone	ND		0.0100	0.00160	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Styrene	ND		0.00100	0.000220	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
1,1,1,2-Tetrachloroethane	ND		0.00100	0.000220	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Tetrachloroethene	ND		0.00100	0.000220	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Toluene	ND		0.00100	0.000330	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
1,1,1-Trichloroethane	ND		0.00100	0.000350	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
1,1,2-Trichloroethane	ND		0.00100	0.000380	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Trichloroethene	ND		0.00100	0.000370	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Vinyl chloride	ND		0.00100	0.000360	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
o-Xylene	ND		0.00100	0.000300	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
m,p-Xylene	ND		0.00200	0.000570	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00
Xylenes, total	ND		0.00200	0.000870	mg/kg wet		06/23/11 14:47	06/23/11 17:46	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*87*		*67 - 138*	*06/23/11 14:47*	*06/23/11 17:46*	*1.00*
Dibromofluoromethane	*90*		*75 - 125*	*06/23/11 14:47*	*06/23/11 17:46*	*1.00*
Toluene-d8	*102*		*76 - 129*	*06/23/11 14:47*	*06/23/11 17:46*	*1.00*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/23/11 14:47*	*06/23/11 17:46*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F6073-BLK2
Matrix: Soil
Analysis Batch: U011265

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F6073_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	1.25	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Benzene	ND		0.0500	0.0135	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Bromodichloromethane	ND		0.0500	0.0185	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Bromoform	ND		0.0500	0.0110	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Bromomethane	0.0740		0.0500	0.0235	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
2-Butanone	ND		0.500	0.0850	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Carbon disulfide	ND		0.0500	0.0145	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Carbon Tetrachloride	ND		0.0500	0.0135	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Chlorobenzene	ND		0.0500	0.0190	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Chlorodibromomethane	ND		0.0500	0.0150	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Chloroethane	ND		0.0500	0.0205	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Chloroform	ND		0.0500	0.0235	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Chloromethane	ND		0.0500	0.00900	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Dibromomethane	ND		0.0500	0.0215	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
1,2-Dichloroethane	0.0495	J	0.0500	0.0190	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
1,1-Dichloroethane	ND		0.0500	0.0160	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
1,1-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
trans-1,2-Dichloroethene	ND		0.0500	0.0180	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
cis-1,2-Dichloroethene	ND		0.0500	0.0190	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
1,2-Dichloropropane	ND		0.0500	0.0165	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
trans-1,3-Dichloropropene	ND		0.0500	0.00800	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
1,1-Dichloropropene	ND		0.0500	0.0150	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
cis-1,3-Dichloropropene	ND		0.0500	0.00950	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Ethylbenzene	ND		0.0500	0.0160	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
2-Hexanone	ND		2.50	0.110	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Methylene Chloride	0.0415	J	0.100	0.00750	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
4-Methyl-2-pentanone	0.186	J	0.500	0.0800	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Styrene	ND		0.0500	0.0110	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
1,1,1,2-Tetrachloroethane	ND		0.0500	0.0110	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Tetrachloroethene	ND		0.0500	0.0110	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Toluene	ND		0.0500	0.0165	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
1,1,1-Trichloroethane	ND		0.0500	0.0175	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
1,1,2-Trichloroethane	ND		0.0500	0.0190	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Trichloroethene	ND		0.0500	0.0185	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Vinyl chloride	ND		0.0500	0.0180	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
o-Xylene	ND		0.0500	0.0150	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
m,p-Xylene	ND		0.100	0.0285	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0
Xylenes, total	ND		0.100	0.0435	mg/kg wet		06/23/11 14:47	06/23/11 18:12	50.0

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*90*		*67 - 138*	*06/23/11 14:47*	*06/23/11 18:12*	*50.0*
Dibromofluoromethane	*89*		*75 - 125*	*06/23/11 14:47*	*06/23/11 18:12*	*50.0*
Toluene-d8	*101*		*76 - 129*	*06/23/11 14:47*	*06/23/11 18:12*	*50.0*
4-Bromofluorobenzene	*103*		*67 - 147*	*06/23/11 14:47*	*06/23/11 18:12*	*50.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F6073-BS1
Matrix: Soil
Analysis Batch: U011265

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F6073_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	250	228		ug/kg		91	60 - 150
Benzene	50.0	50.3		ug/kg		101	78 - 126
Bromodichloromethane	50.0	49.0		ug/kg		98	75 - 129
Bromoform	50.0	55.6		ug/kg		111	74 - 133
Bromomethane	50.0	42.6	B	ug/kg		85	50 - 150
2-Butanone	250	230		ug/kg		92	68 - 149
Carbon disulfide	50.0	46.1		ug/kg		92	80 - 132
Carbon Tetrachloride	50.0	51.6		ug/kg		103	70 - 138
Chlorobenzene	50.0	51.6		ug/kg		103	80 - 123
Chlorodibromomethane	50.0	52.2		ug/kg		104	80 - 127
Chloroethane	50.0	43.4		ug/kg		87	55 - 150
Chloroform	50.0	49.9		ug/kg		100	70 - 127
Chloromethane	50.0	45.7		ug/kg		91	36 - 137
Dibromomethane	50.0	47.7		ug/kg		95	78 - 128
1,2-Dichloroethane	50.0	47.1	B	ug/kg		94	70 - 139
1,1-Dichloroethane	50.0	49.8		ug/kg		100	71 - 126
1,1-Dichloroethene	50.0	57.0		ug/kg		114	70 - 125
trans-1,2-Dichloroethene	50.0	48.0		ug/kg		96	73 - 128
cis-1,2-Dichloroethene	50.0	46.8		ug/kg		94	75 - 126
1,2-Dichloropropane	50.0	47.3		ug/kg		95	75 - 120
trans-1,3-Dichloropropene	50.0	48.4		ug/kg		97	73 - 128
1,1-Dichloropropene	50.0	49.9		ug/kg		100	78 - 125
cis-1,3-Dichloropropene	50.0	51.1		ug/kg		102	74 - 136
Ethylbenzene	50.0	51.2		ug/kg		102	79 - 130
2-Hexanone	250	232		ug/kg		93	65 - 150
Methylene Chloride	50.0	48.4	B	ug/kg		97	69 - 140
4-Methyl-2-pentanone	250	235	B	ug/kg		94	67 - 147
Styrene	50.0	49.7		ug/kg		99	80 - 140
1,1,1,2-Tetrachloroethane	50.0	54.0		ug/kg		108	80 - 132
Tetrachloroethene	50.0	53.4		ug/kg		107	76 - 130
Toluene	50.0	51.2		ug/kg		102	76 - 126
1,1,1-Trichloroethane	50.0	51.2		ug/kg		102	70 - 132
1,1,2-Trichloroethane	50.0	53.2		ug/kg		106	73 - 133
Trichloroethene	50.0	52.7		ug/kg		105	79 - 129
Vinyl chloride	50.0	43.3		ug/kg		87	53 - 142
o-Xylene	50.0	50.3		ug/kg		101	80 - 131
m,p-Xylene	100	101		ug/kg		101	80 - 131
Xylenes, total	150	151		ug/kg		101	80 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*87*		*67 - 138*
Dibromofluoromethane	*94*		*75 - 125*
Toluene-d8	*96*		*76 - 129*
4-Bromofluorobenzene	*107*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F6073-MS1
Matrix: Soil
Analysis Batch: U011265

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11F6073_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	ND		882	1080		mg/kg wet		122	29 - 181
Benzene	ND		176	188		mg/kg wet		106	42 - 141
Bromodichloromethane	ND		176	190		mg/kg wet		108	32 - 155
Bromoform	ND		176	203		mg/kg wet		115	10 - 155
Bromomethane	ND		176	91.8	B	mg/kg wet		52	10 - 199
2-Butanone	ND		882	968		mg/kg wet		110	38 - 161
Carbon disulfide	ND		176	169		mg/kg wet		96	50 - 136
Carbon Tetrachloride	ND		176	190		mg/kg wet		108	30 - 159
Chlorobenzene	ND		176	201		mg/kg wet		114	25 - 151
Chlorodibromomethane	ND		176	196		mg/kg wet		111	27 - 150
Chloroethane	ND		176	80.8		mg/kg wet		46	15 - 197
Chloroform	ND		176	187		mg/kg wet		106	33 - 148
Chloromethane	ND		176	176		mg/kg wet		100	10 - 166
Dibromomethane	ND		176	184		mg/kg wet		104	30 - 149
1,2-Dichloroethane	ND		176	176	B	mg/kg wet		100	32 - 155
1,1-Dichloroethane	ND		176	197		mg/kg wet		112	51 - 135
1,1-Dichloroethene	ND		176	214		mg/kg wet		121	46 - 141
trans-1,2-Dichloroethene	ND		176	190		mg/kg wet		108	41 - 146
cis-1,2-Dichloroethene	ND		176	180		mg/kg wet		102	32 - 150
1,2-Dichloropropane	ND		176	187		mg/kg wet		106	34 - 139
trans-1,3-Dichloropropene	ND		176	195		mg/kg wet		111	24 - 151
1,1-Dichloropropene	ND		176	186		mg/kg wet		105	40 - 151
cis-1,3-Dichloropropene	ND		176	202		mg/kg wet		115	23 - 152
Ethylbenzene	35.2		176	247		mg/kg wet		120	21 - 165
2-Hexanone	ND		882	1060		mg/kg wet		120	13 - 174
Methylene Chloride	2.86		176	184	B	mg/kg wet		103	36 - 163
4-Methyl-2-pentanone	ND		882	969	B	mg/kg wet		110	19 - 176
Styrene	ND		176	195		mg/kg wet		111	10 - 177
1,1,1,2-Tetrachloroethane	ND		176	206		mg/kg wet		117	31 - 150
Tetrachloroethene	ND		176	206		mg/kg wet		117	33 - 155
Toluene	5.96		176	205		mg/kg wet		113	45 - 145
1,1,1-Trichloroethane	ND		176	189		mg/kg wet		107	39 - 148
1,1,2-Trichloroethane	ND		176	212		mg/kg wet		120	43 - 145
Trichloroethene	ND		176	203		mg/kg wet		115	39 - 150
Vinyl chloride	ND		176	169		mg/kg wet		96	32 - 163
o-Xylene	47.8		176	256		mg/kg wet		118	36 - 148
m,p-Xylene	123		353	537		mg/kg wet		117	31 - 159
Xylenes, total	171		529	794		mg/kg wet		118	31 - 159

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*84*		*67 - 138*
Dibromofluoromethane	*89*		*75 - 125*
Toluene-d8	*97*		*76 - 129*
4-Bromofluorobenzene	*106*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11F6073-MSD1
Matrix: Soil
Analysis Batch: U011265

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11F6073_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	ND		882	1120	R2	mg/kg wet		126	29 - 181	4	50
Benzene	ND		176	194		mg/kg wet		110	42 - 141	3	50
Bromodichloromethane	ND		176	186		mg/kg wet		105	32 - 155	2	50
Bromoform	ND		176	205		mg/kg wet		116	10 - 155	1	43
Bromomethane	ND		176	129	B	mg/kg wet		73	10 - 199	34	46
2-Butanone	ND		882	930		mg/kg wet		105	38 - 161	4	50
Carbon disulfide	ND		176	173		mg/kg wet		98	50 - 136	2	48
Carbon Tetrachloride	ND		176	192		mg/kg wet		109	30 - 159	0.6	44
Chlorobenzene	ND		176	199		mg/kg wet		113	25 - 151	0.8	50
Chlorodibromomethane	ND		176	198		mg/kg wet		112	27 - 150	1	48
Chloroethane	ND		176	136	R2	mg/kg wet		77	15 - 197	51	50
Chloroform	ND		176	182		mg/kg wet		103	33 - 148	3	50
Chloromethane	ND		176	162		mg/kg wet		92	10 - 166	8	44
Dibromomethane	ND		176	180		mg/kg wet		102	30 - 149	2	50
1,2-Dichloroethane	ND		176	182	B	mg/kg wet		103	32 - 155	3	50
1,1-Dichloroethane	ND		176	191		mg/kg wet		108	51 - 135	3	50
1,1-Dichloroethene	ND		176	217		mg/kg wet		123	46 - 141	1	50
trans-1,2-Dichloroethene	ND		176	189		mg/kg wet		107	41 - 146	0.7	40
cis-1,2-Dichloroethene	ND		176	174		mg/kg wet		99	32 - 150	3	50
1,2-Dichloropropane	ND		176	181		mg/kg wet		103	34 - 139	3	50
trans-1,3-Dichloropropene	ND		176	198		mg/kg wet		112	24 - 151	2	48
1,1-Dichloropropene	ND		176	184		mg/kg wet		104	40 - 151	1	50
cis-1,3-Dichloropropene	ND		176	206		mg/kg wet		117	23 - 152	2	50
Ethylbenzene	35.2		176	237		mg/kg wet		114	21 - 165	4	50
2-Hexanone	ND		882	1020		mg/kg wet		116	13 - 174	4	50
Methylene Chloride	2.86		176	184	B	mg/kg wet		102	36 - 163	0.3	50
4-Methyl-2-pentanone	ND		882	965	B	mg/kg wet		109	19 - 176	0.4	45
Styrene	ND		176	194		mg/kg wet		110	10 - 177	0.6	50
1,1,1,2-Tetrachloroethane	ND		176	205		mg/kg wet		116	31 - 150	0.3	50
Tetrachloroethene	ND		176	208		mg/kg wet		118	33 - 155	1	50
Toluene	5.96		176	206		mg/kg wet		113	45 - 145	0.5	50
1,1,1-Trichloroethane	ND		176	188		mg/kg wet		106	39 - 148	0.5	41
1,1,2-Trichloroethane	ND		176	211		mg/kg wet		120	43 - 145	0.5	50
Trichloroethene	ND		176	200		mg/kg wet		114	39 - 150	1	50
Vinyl chloride	ND		176	157		mg/kg wet		89	32 - 163	7	39
o-Xylene	47.8		176	246		mg/kg wet		112	36 - 148	4	50
m,p-Xylene	123		353	516		mg/kg wet		111	31 - 159	4	50
Xylenes, total	171		529	762		mg/kg wet		112	31 - 159	4	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*85*		*67 - 138*
Dibromofluoromethane	*87*		*75 - 125*
Toluene-d8	*98*		*76 - 129*
4-Bromofluorobenzene	*110*		*67 - 147*

Method: SW846 9060M - General Chemistry Parameters

Lab Sample ID: 11F5690-BLK1 — **Client Sample ID: Method Blank**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F5690 — **Prep Batch: 11F5690_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	814	J	1000	630	mg/kg wet		06/22/11 17:06	06/24/11 09:21	1.00

Lab Sample ID: 11F5690-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F5690 — **Prep Batch: 11F5690_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Total Organic Carbon			29900	31300	B	mg/kg wet		105	80 - 120		

Lab Sample ID: 11F5690-DUP1 — **Client Sample ID: Duplicate**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F5690 — **Prep Batch: 11F5690_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	730			677	J B	mg/kg dry				8	35

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11F5775-DUP1 — **Client Sample ID: Duplicate**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F5775 — **Prep Batch: 11F5775_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	91.1			91.7		%				0.7	20

Lab Sample ID: 11F5900-DUP1 — **Client Sample ID: HP-08 (3-4)**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11F5900 — **Prep Batch: 11F5900_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	91.3			91.1		%				0.2	20

GCMS Volatiles

Analysis Batch: U011188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F4937-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11F4937_P
11F4937-BLK1	Method Blank	Total	Soil	SW846 8260B	11F4937_P
11F4937-BLK2	Method Blank	Total	Soil	SW846 8260B	11F4937_P
NUF2999-01	HP-08 (3-4)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-02	HP-08 (12-13)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-03	BD-061611-A	Total	Soil	SW846 8260B	11F4937_P
NUF2999-04	HP-04 (5-6)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-05	HP-04 (7-8)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-06	HP-03 (6-7)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-08	HP-02 (6-7)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-10	HP-01 (6-7)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-11	HP-01 (10-11)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-12	HP-17A (5-6)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-13	HP-17A (10-11)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-14	BD-061611-B	Total	Soil	SW846 8260B	11F4937_P
NUF2999-15	HP-07 (3-5)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-16	HP-07 (10-11)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-17	HP-06 (5-6)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-18	HP-06 (13-14)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-19	HP-05 (3-4)	Total	Soil	SW846 8260B	11F4937_P
NUF2999-20	HP-05 (10-11)	Total	Soil	SW846 8260B	11F4937_P
11F4937-MS1	HP-17A (10-11)	Total	Soil	SW846 8260B	11F4937_P
11F4937-MSD1	HP-17A (10-11)	Total	Soil	SW846 8260B	11F4937_P

Analysis Batch: U011258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5290-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11F5290_P
11F5290-BLK1	Method Blank	Total	Soil	SW846 8260B	11F5290_P
11F5290-BLK2	Method Blank	Total	Soil	SW846 8260B	11F5290_P
NUF2999-09	HP-02 (11-12)	Total	Soil	SW846 8260B	11F5290_P
NUF2999-07	HP-03 (12-13)	Total	Soil	SW846 8260B	11F5290_P
11F5290-MS1	HP-02 (11-12)	Total	Soil	SW846 8260B	11F5290_P
11F5290-MSD1	HP-02 (11-12)	Total	Soil	SW846 8260B	11F5290_P

Analysis Batch: U011265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F6073-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11F6073_P
11F6073-BLK1	Method Blank	Total	Soil	SW846 8260B	11F6073_P
11F6073-BLK2	Method Blank	Total	Soil	SW846 8260B	11F6073_P
NUF2999-07 - RE1	HP-03 (12-13)	Total	Soil	SW846 8260B	11F6073_P
11F6073-MS1	Matrix Spike	Total	Soil	SW846 8260B	11F6073_P
11F6073-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11F6073_P

Prep Batch: 11F4937_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F4937-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11F4937-BLK1	Method Blank	Total	Soil	EPA 5035	
11F4937-BLK2	Method Blank	Total	Soil	EPA 5035	
NUF2999-01	HP-08 (3-4)	Total	Soil	EPA 5035	
NUF2999-02	HP-08 (12-13)	Total	Soil	EPA 5035	
NUF2999-03	BD-061611-A	Total	Soil	EPA 5035	
NUF2999-04	HP-04 (5-6)	Total	Soil	EPA 5035	

GCMS Volatiles (Continued)

Prep Batch: 11F4937_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUF2999-05	HP-04 (7-8)	Total	Soil	EPA 5035	
NUF2999-06	HP-03 (6-7)	Total	Soil	EPA 5035	
NUF2999-08	HP-02 (6-7)	Total	Soil	EPA 5035	
NUF2999-10	HP-01 (6-7)	Total	Soil	EPA 5035	
NUF2999-11	HP-01 (10-11)	Total	Soil	EPA 5035	
NUF2999-12	HP-17A (5-6)	Total	Soil	EPA 5035	
NUF2999-13	HP-17A (10-11)	Total	Soil	EPA 5035	
NUF2999-14	BD-061611-B	Total	Soil	EPA 5035	
NUF2999-15	HP-07 (3-5)	Total	Soil	EPA 5035	
NUF2999-16	HP-07 (10-11)	Total	Soil	EPA 5035	
NUF2999-17	HP-06 (5-6)	Total	Soil	EPA 5035	
NUF2999-18	HP-06 (13-14)	Total	Soil	EPA 5035	
NUF2999-19	HP-05 (3-4)	Total	Soil	EPA 5035	
NUF2999-20	HP-05 (10-11)	Total	Soil	EPA 5035	
11F4937-MS1	HP-17A (10-11)	Total	Soil	EPA 5035	
11F4937-MSD1	HP-17A (10-11)	Total	Soil	EPA 5035	

Prep Batch: 11F5290_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5290-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11F5290-BLK1	Method Blank	Total	Soil	EPA 5035	
11F5290-BLK2	Method Blank	Total	Soil	EPA 5035	
NUF2999-09	HP-02 (11-12)	Total	Soil	EPA 5035	
NUF2999-07	HP-03 (12-13)	Total	Soil	EPA 5035	
11F5290-MS1	HP-02 (11-12)	Total	Soil	EPA 5035	
11F5290-MSD1	HP-02 (11-12)	Total	Soil	EPA 5035	

Prep Batch: 11F6073_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F6073-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11F6073-BLK1	Method Blank	Total	Soil	EPA 5035	
11F6073-BLK2	Method Blank	Total	Soil	EPA 5035	
NUF2999-07 - RE1	HP-03 (12-13)	Total	Soil	EPA 5035	
11F6073-MS1	Matrix Spike	Total	Soil	EPA 5035	
11F6073-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	

WetChem

Analysis Batch: 11F5690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5690-BLK1	Method Blank	Total	Soil	SW846 9060M	11F5690_P
11F5690-BS1	Lab Control Sample	Total	Soil	SW846 9060M	11F5690_P
11F5690-DUP1	Duplicate	Total	Soil	SW846 9060M	11F5690_P
NUF2999-05	HP-04 (7-8)	Total	Soil	SW846 9060M	11F5690_P
NUF2999-07	HP-03 (12-13)	Total	Soil	SW846 9060M	11F5690_P

Prep Batch: 11F5690_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5690-BLK1	Method Blank	Total	Soil	NO PREP	
11F5690-BS1	Lab Control Sample	Total	Soil	NO PREP	
11F5690-DUP1	Duplicate	Total	Soil	NO PREP	
NUF2999-05	HP-04 (7-8)	Total	Soil	NO PREP	

WetChem (Continued)

Prep Batch: 11F5690_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUF2999-07	HP-03 (12-13)	Total	Soil	NO PREP	

Project Management

Analysis Batch: 11F6833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUF2999-02	HP-08 (12-13)	Total	Soil	subcontract	11F6833_P
NUF2999-03	BD-061611-A	Total	Soil	subcontract	11F6833_P
NUF2999-05	HP-04 (7-8)	Total	Soil	subcontract	11F6833_P
NUF2999-07	HP-03 (12-13)	Total	Soil	subcontract	11F6833_P
NUF2999-09	HP-02 (11-12)	Total	Soil	subcontract	11F6833_P
NUF2999-11	HP-01 (10-11)	Total	Soil	subcontract	11F6833_P
NUF2999-13	HP-17A (10-11)	Total	Soil	subcontract	11F6833_P
NUF2999-14	BD-061611-B	Total	Soil	subcontract	11F6833_P
NUF2999-16	HP-07 (10-11)	Total	Soil	subcontract	11F6833_P
NUF2999-18	HP-06 (13-14)	Total	Soil	subcontract	11F6833_P
NUF2999-20	HP-05 (10-11)	Total	Soil	subcontract	11F6833_P

Prep Batch: 11F6833_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUF2999-02	HP-08 (12-13)	Total	Soil	*** DEFAULT PREP ***	
NUF2999-03	BD-061611-A	Total	Soil	*** DEFAULT PREP ***	
NUF2999-05	HP-04 (7-8)	Total	Soil	*** DEFAULT PREP ***	
NUF2999-07	HP-03 (12-13)	Total	Soil	*** DEFAULT PREP ***	
NUF2999-09	HP-02 (11-12)	Total	Soil	*** DEFAULT PREP ***	
NUF2999-11	HP-01 (10-11)	Total	Soil	*** DEFAULT PREP ***	
NUF2999-13	HP-17A (10-11)	Total	Soil	*** DEFAULT PREP ***	
NUF2999-14	BD-061611-B	Total	Soil	*** DEFAULT PREP ***	
NUF2999-16	HP-07 (10-11)	Total	Soil	*** DEFAULT PREP ***	
NUF2999-18	HP-06 (13-14)	Total	Soil	*** DEFAULT PREP ***	
NUF2999-20	HP-05 (10-11)	Total	Soil	*** DEFAULT PREP ***	

Extractions

Analysis Batch: 11F5775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5775-DUP1	Duplicate	Total	Soil	SW-846	11F5775_P
NUF2999-02	HP-08 (12-13)	Total	Soil	SW-846	11F5775_P
NUF2999-03	BD-061611-A	Total	Soil	SW-846	11F5775_P
NUF2999-05	HP-04 (7-8)	Total	Soil	SW-846	11F5775_P
NUF2999-07	HP-03 (12-13)	Total	Soil	SW-846	11F5775_P
NUF2999-09	HP-02 (11-12)	Total	Soil	SW-846	11F5775_P
NUF2999-11	HP-01 (10-11)	Total	Soil	SW-846	11F5775_P

Extractions (Continued)

Analysis Batch: 11F5775 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUF2999-13	HP-17A (10-11)	Total	Soil	SW-846	11F5775_P
NUF2999-14	BD-061611-B	Total	Soil	SW-846	11F5775_P
NUF2999-16	HP-07 (10-11)	Total	Soil	SW-846	11F5775_P
NUF2999-18	HP-06 (13-14)	Total	Soil	SW-846	11F5775_P
NUF2999-20	HP-05 (10-11)	Total	Soil	SW-846	11F5775_P

Analysis Batch: 11F5900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5900-DUP1	HP-08 (3-4)	Total	Soil	SW-846	11F5900_P
NUF2999-01	HP-08 (3-4)	Total	Soil	SW-846	11F5900_P
NUF2999-04	HP-04 (5-6)	Total	Soil	SW-846	11F5900_P
NUF2999-06	HP-03 (6-7)	Total	Soil	SW-846	11F5900_P
NUF2999-08	HP-02 (6-7)	Total	Soil	SW-846	11F5900_P
NUF2999-10	HP-01 (6-7)	Total	Soil	SW-846	11F5900_P
NUF2999-12	HP-17A (5-6)	Total	Soil	SW-846	11F5900_P
NUF2999-15	HP-07 (3-5)	Total	Soil	SW-846	11F5900_P
NUF2999-17	HP-06 (5-6)	Total	Soil	SW-846	11F5900_P
NUF2999-19	HP-05 (3-4)	Total	Soil	SW-846	11F5900_P

Prep Batch: 11F5775_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5775-DUP1	Duplicate	Total	Soil	% Solids	
NUF2999-02	HP-08 (12-13)	Total	Soil	% Solids	
NUF2999-03	BD-061611-A	Total	Soil	% Solids	
NUF2999-05	HP-04 (7-8)	Total	Soil	% Solids	
NUF2999-07	HP-03 (12-13)	Total	Soil	% Solids	
NUF2999-09	HP-02 (11-12)	Total	Soil	% Solids	
NUF2999-11	HP-01 (10-11)	Total	Soil	% Solids	
NUF2999-13	HP-17A (10-11)	Total	Soil	% Solids	
NUF2999-14	BD-061611-B	Total	Soil	% Solids	
NUF2999-16	HP-07 (10-11)	Total	Soil	% Solids	
NUF2999-18	HP-06 (13-14)	Total	Soil	% Solids	
NUF2999-20	HP-05 (10-11)	Total	Soil	% Solids	

Prep Batch: 11F5900_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F5900-DUP1	HP-08 (3-4)	Total	Soil	% Solids	
NUF2999-01	HP-08 (3-4)	Total	Soil	% Solids	
NUF2999-04	HP-04 (5-6)	Total	Soil	% Solids	
NUF2999-06	HP-03 (6-7)	Total	Soil	% Solids	
NUF2999-08	HP-02 (6-7)	Total	Soil	% Solids	
NUF2999-10	HP-01 (6-7)	Total	Soil	% Solids	
NUF2999-12	HP-17A (5-6)	Total	Soil	% Solids	
NUF2999-15	HP-07 (3-5)	Total	Soil	% Solids	
NUF2999-17	HP-06 (5-6)	Total	Soil	% Solids	
NUF2999-19	HP-05 (3-4)	Total	Soil	% Solids	

Client Sample ID: HP-08 (3-4)

Lab Sample ID: NUF2999-01
Date Collected: 06/16/11 08:24
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.91	11F4937_P	06/16/11 08:24	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 19:00	MLG	TAL NSH
Total	Prep	% Solids		1.00	11F5900_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5900	06/24/11 12:48	RRS	TAL NSH

Client Sample ID: HP-08 (12-13)

Lab Sample ID: NUF2999-02
Date Collected: 06/16/11 08:42
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.54	11F4937_P	06/16/11 08:42	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 19:27	MLG	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5775_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5775	06/24/11 12:43	RRS	TAL NSH

Client Sample ID: BD-061611-A

Lab Sample ID: NUF2999-03
Date Collected: 06/16/11 00:01
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.41	11F4937_P	06/16/11 00:01	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 19:53	MLG	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5775_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5775	06/24/11 12:43	RRS	TAL NSH

Client Sample ID: HP-04 (5-6)

Lab Sample ID: NUF2999-04
Date Collected: 06/16/11 09:22
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.65	11F4937_P	06/16/11 09:22	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 20:19	MLG	TAL NSH
Total	Prep	% Solids		1.00	11F5900_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5900	06/24/11 12:48	RRS	TAL NSH

Client Sample ID: HP-04 (7-8)

Lab Sample ID: NUF2999-05
Date Collected: 06/16/11 11:12
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.61	11F4937_P	06/16/11 11:12	AAN	TAL NSH

Client Sample ID: HP-04 (7-8) — Lab Sample ID: NUF2999-05

Date Collected: 06/16/11 11:12 — **Matrix: Soil**
Date Received: 06/17/11 08:45 — **Percent Solids: 92.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 20:45	MLG	TAL NSH
Total	Prep	NO PREP		1.00	11F5690_P	06/22/11 17:06	SHJ	TAL NSH
Total	Analysis	SW846 9060M		1.00	11F5690	06/24/11 09:21	SHJ	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5775_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5775	06/24/11 12:43	RRS	TAL NSH

Client Sample ID: HP-03 (6-7) — Lab Sample ID: NUF2999-06

Date Collected: 06/16/11 11:52 — **Matrix: Soil**
Date Received: 06/17/11 08:45 — **Percent Solids: 88.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.63	11F4937_P	06/16/11 11:52	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 21:12	MLG	TAL NSH
Total	Prep	% Solids		1.00	11F5900_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5900	06/24/11 12:48	RRS	TAL NSH

Client Sample ID: HP-03 (12-13) — Lab Sample ID: NUF2999-07

Date Collected: 06/16/11 12:10 — **Matrix: Soil**
Date Received: 06/17/11 08:45 — **Percent Solids: 91.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.60	11F5290_P	06/16/11 12:10	AAN	TAL NSH
Total	Analysis	SW846 8260B		500	U011258	06/23/11 08:09	MLG	TAL NSH
Total	Prep	EPA 5035	RE1	1.60	11F6073_P	06/23/11 14:47	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	5000	U011265	06/23/11 20:23	MLG	TAL NSH
Total	Prep	NO PREP		1.00	11F5690_P	06/22/11 17:06	SHJ	TAL NSH
Total	Analysis	SW846 9060M		1.00	11F5690	06/24/11 09:21	SHJ	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5775_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5775	06/24/11 12:43	RRS	TAL NSH

Client Sample ID: HP-02 (6-7) — Lab Sample ID: NUF2999-08

Date Collected: 06/16/11 13:06 — **Matrix: Soil**
Date Received: 06/17/11 08:45 — **Percent Solids: 92.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.66	11F4937_P	06/16/11 13:06	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 21:38	MLG	TAL NSH
Total	Prep	% Solids		1.00	11F5900_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5900	06/24/11 12:48	RRS	TAL NSH

Client Sample ID: HP-02 (11-12) — Lab Sample ID: NUF2999-09

Date Collected: 06/16/11 13:20 — **Matrix: Soil**
Date Received: 06/17/11 08:45 — **Percent Solids: 88.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.91	11F5290_P	06/16/11 13:20	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011258	06/23/11 07:42	MLG	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5775_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5775	06/24/11 12:43	RRS	TAL NSH

Client Sample ID: HP-01 (6-7) — Lab Sample ID: NUF2999-10

Date Collected: 06/16/11 13:51 — **Matrix: Soil**
Date Received: 06/17/11 08:45 — **Percent Solids: 91.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.66	11F4937_P	06/16/11 13:51	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 22:04	MLG	TAL NSH
Total	Prep	% Solids		1.00	11F5900_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5900	06/24/11 12:48	RRS	TAL NSH

Client Sample ID: HP-01 (10-11) — Lab Sample ID: NUF2999-11

Date Collected: 06/16/11 13:55 — **Matrix: Soil**
Date Received: 06/17/11 08:45 — **Percent Solids: 90.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.52	11F4937_P	06/16/11 13:55	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 22:30	MLG	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5775_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5775	06/24/11 12:43	RRS	TAL NSH

Client Sample ID: HP-17A (5-6) — Lab Sample ID: NUF2999-12

Date Collected: 06/16/11 14:10 — **Matrix: Soil**
Date Received: 06/17/11 08:45 — **Percent Solids: 86.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		2.04	11F4937_P	06/16/11 14:10	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 22:57	MLG	TAL NSH
Total	Prep	% Solids		1.00	11F5900_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5900	06/24/11 12:48	RRS	TAL NSH

Client Sample ID: HP-17A (10-11) — Lab Sample ID: NUF2999-13

Date Collected: 06/16/11 14:20 — **Matrix: Soil**
Date Received: 06/17/11 08:45 — **Percent Solids: 87.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.57	11F4937_P	06/16/11 14:20	AAN	TAL NSH

Client Sample ID: HP-17A (10-11)

Lab Sample ID: NUF2999-13
Date Collected: 06/16/11 14:20
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 23:23	MLG	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5775_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5775	06/24/11 12:43	RRS	TAL NSH

Client Sample ID: BD-061611-B

Lab Sample ID: NUF2999-14
Date Collected: 06/16/11 00:01
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.69	11F4937_P	06/16/11 00:01	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/22/11 23:49	MLG	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5775_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5775	06/24/11 12:43	RRS	TAL NSH

Client Sample ID: HP-07 (3-5)

Lab Sample ID: NUF2999-15
Date Collected: 06/16/11 14:55
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.62	11F4937_P	06/16/11 14:10	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/23/11 00:16	MLG	TAL NSH
Total	Prep	% Solids		1.00	11F5900_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5900	06/24/11 12:48	RRS	TAL NSH

Client Sample ID: HP-07 (10-11)

Lab Sample ID: NUF2999-16
Date Collected: 06/16/11 15:00
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.54	11F4937_P	06/16/11 15:00	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/23/11 00:42	MLG	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5775_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5775	06/24/11 12:43	RRS	TAL NSH

Client Sample ID: HP-06 (5-6)

Lab Sample ID: NUF2999-17

Date Collected: 06/16/11 15:15
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 79.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.81	11F4937_P	06/16/11 15:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/23/11 01:08	MLG	TAL NSH
Total	Prep	% Solids		1.00	11F5900_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5900	06/24/11 12:48	RRS	TAL NSH

Client Sample ID: HP-06 (13-14)

Lab Sample ID: NUF2999-18

Date Collected: 06/16/11 15:20
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.52	11F4937_P	06/16/11 15:20	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/23/11 01:34	MLG	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5775_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5775	06/24/11 12:43	RRS	TAL NSH

Client Sample ID: HP-05 (3-4)

Lab Sample ID: NUF2999-19

Date Collected: 06/16/11 15:32
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.68	11F4937_P	06/16/11 15:32	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/23/11 02:01	MLG	TAL NSH
Total	Prep	% Solids		1.00	11F5900_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5900	06/24/11 12:48	RRS	TAL NSH

Client Sample ID: HP-05 (10-11)

Lab Sample ID: NUF2999-20

Date Collected: 06/16/11 15:40
Matrix: Soil
Date Received: 06/17/11 08:45
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.66	11F4937_P	06/16/11 15:40	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U011188	06/23/11 02:27	MLG	TAL NSH
Total	Prep	*** DEFAULT PREP ***			11F6833_P	06/27/11 15:52	SDB	TAL NSH
Total	Analysis	subcontract		1.00	11F6833	06/27/11 15:53	SDB	TAL NSH
Total	Prep	% Solids		1.00	11F5775_P	06/24/11 09:02	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11F5775	06/24/11 12:43	RRS	TAL NSH

Laboratory References:
TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 9060M	General Chemistry Parameters		TAL NSH
subcontract	Subcontracted Analysis		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Arcadis (Chelmsford) / FORD
Project/Site: E101274

TestAmerica Job ID: NUF2999

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	Nevada	State Program	9	TN00032
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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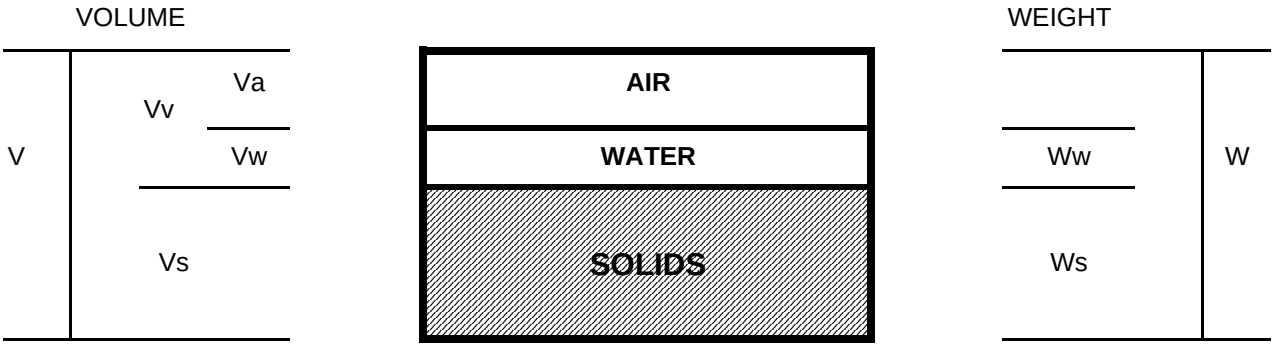
DETERMINATION OF PHYSICAL PROPERTIES OF SOILS



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Ww = Weight of Water
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POROSITY = Ratio of volume of voids to the total volume (V) of a given mass, Vv / V

SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6265**		
PROJECT	**TEST AMERICA NUF 2999**		
LOCATION OF SAMPLE	**NUF 2999-02**	**LAB ID**	**J 3768**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**117.3**	pcf.
		1.86	g soil/cm3 soil
SOIL BULK DRY DENSITY		**106.0**	pcf.
		1.68	g soil/cm3 soil

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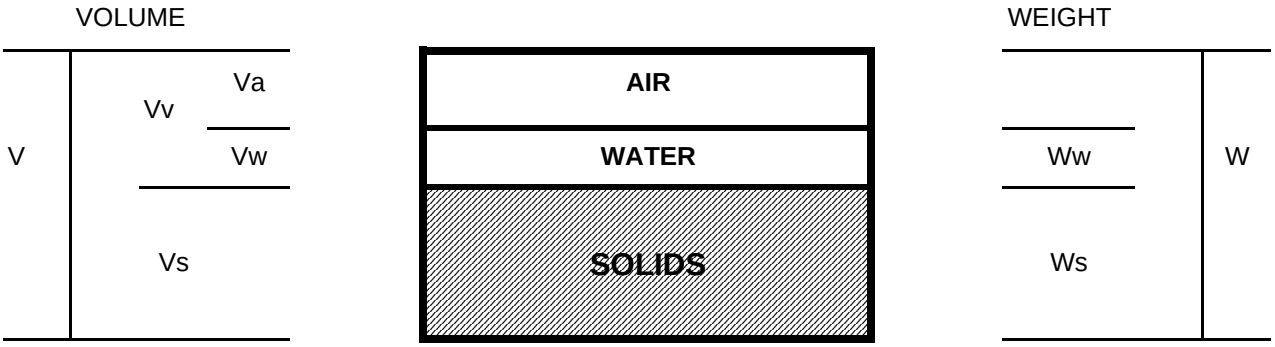

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6265**		
PROJECT	**TEST AMERICA NUF 2999**		
LOCATION OF SAMPLE	**NUF 2999-18**	**LAB ID**	**J 3777**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**135.2**	pcf.
		2.15	g soil/cm3 soil
SOIL BULK DRY DENSITY		**122.8**	pcf.
		1.95	g soil/cm3 soil

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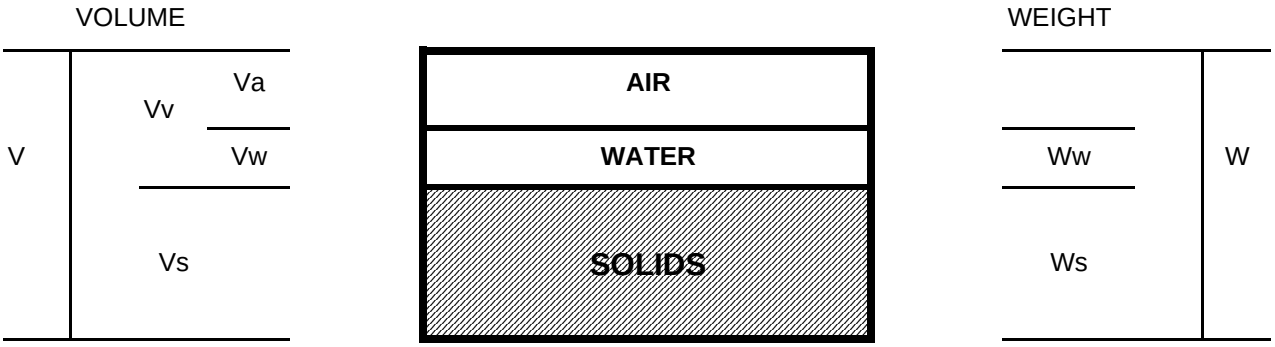

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6265**		
PROJECT	**TEST AMERICA NUF 2999**		
LOCATION OF SAMPLE	**NUF 2999-20**	**LAB ID**	**J 3778**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**127.7**	pcf.
		2.03	g soil/cm3 soil
SOIL BULK DRY DENSITY		**112.7**	pcf.
		1.79	g soil/cm3 soil

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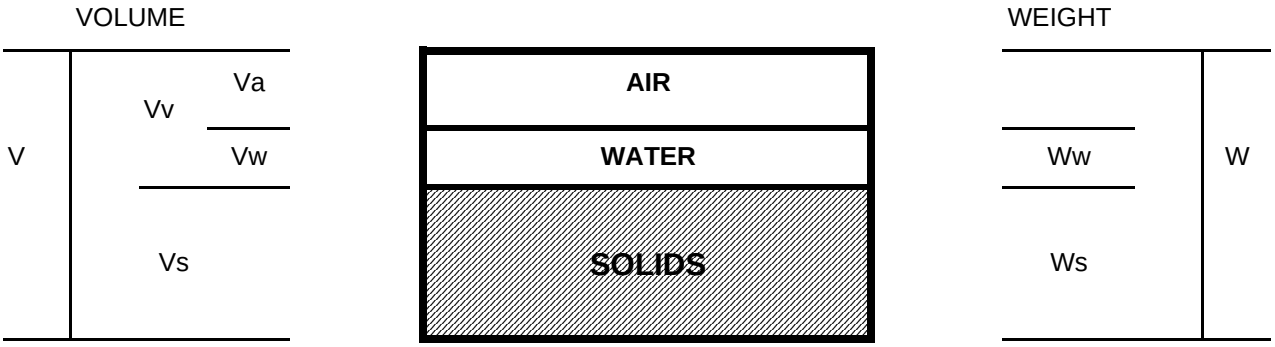

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6265**		
PROJECT	**TEST AMERICA NUF 2999**		
LOCATION OF SAMPLE	**NUF 2999-03**	**LAB ID**	**J 3769**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**114.3**	pcf.
		1.81	g soil/cm3 soil
SOIL BULK DRY DENSITY		**102.4**	pcf.
		1.63	g soil/cm3 soil

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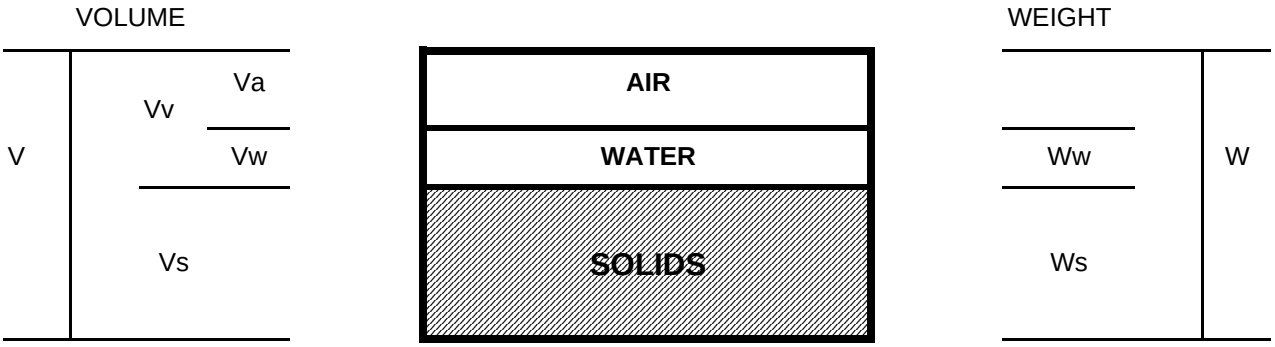

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6265**		
PROJECT	**TEST AMERICA NUF 2999**		
LOCATION OF SAMPLE	**NUF 2999-05**	**LAB ID**	**J 3770**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**125.7**	pcf.
		2.00	g soil/cm3 soil
SOIL BULK DRY DENSITY		**112.1**	pcf.
		1.78	g soil/cm3 soil

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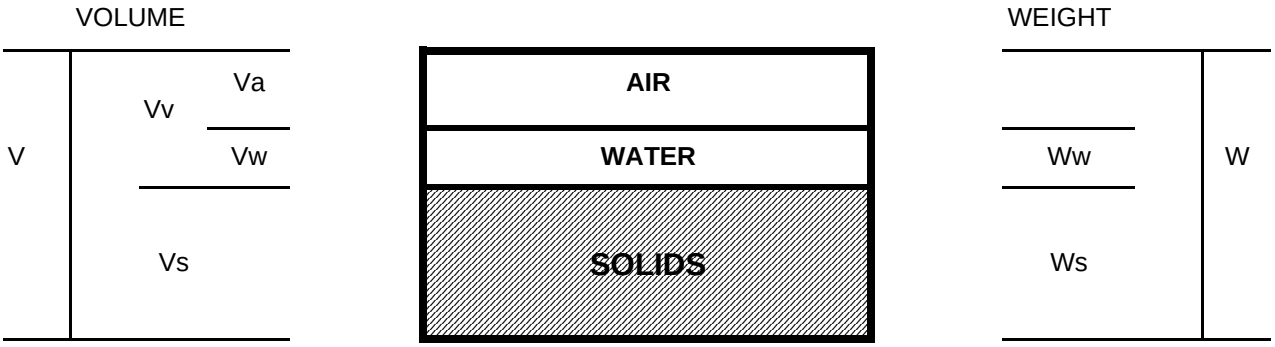

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6265**		
PROJECT	**TEST AMERICA NUF 2999**		
LOCATION OF SAMPLE	**NUF 2999-07**	**LAB ID**	**J 3771**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**OLIVE BROWN**		
SOIL WET DENSITY		**120.9**	pcf.
		1.92	g soil/cm3 soil
SOIL BULK DRY DENSITY		**110.2**	pcf.
		1.75	g soil/cm3 soil

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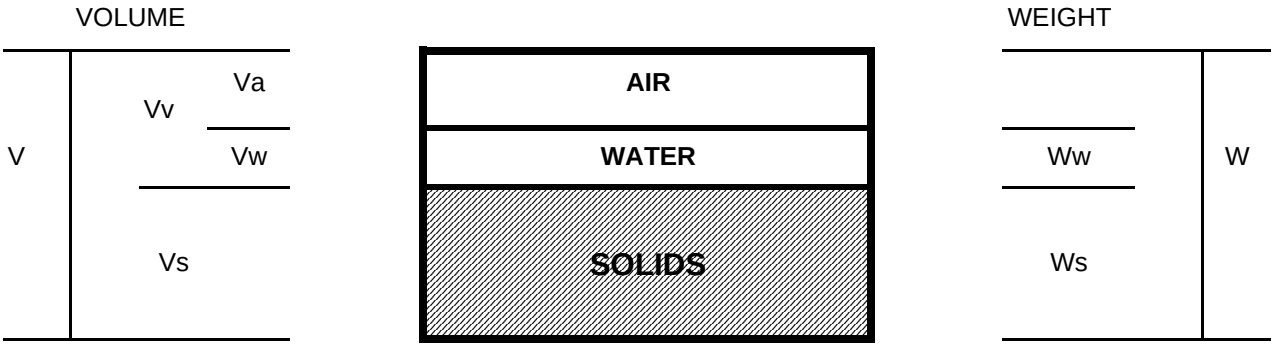

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6265**		
PROJECT	**TEST AMERICA NUF 2999**		
LOCATION OF SAMPLE	**NUF 2999-09**	**LAB ID**	**J 3772**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**YELLOWISH BROWN**		
SOIL WET DENSITY		**126.6**	pcf.
		2.01	g soil/cm3 soil
SOIL BULK DRY DENSITY		**111.1**	pcf.
		1.76	g soil/cm3 soil

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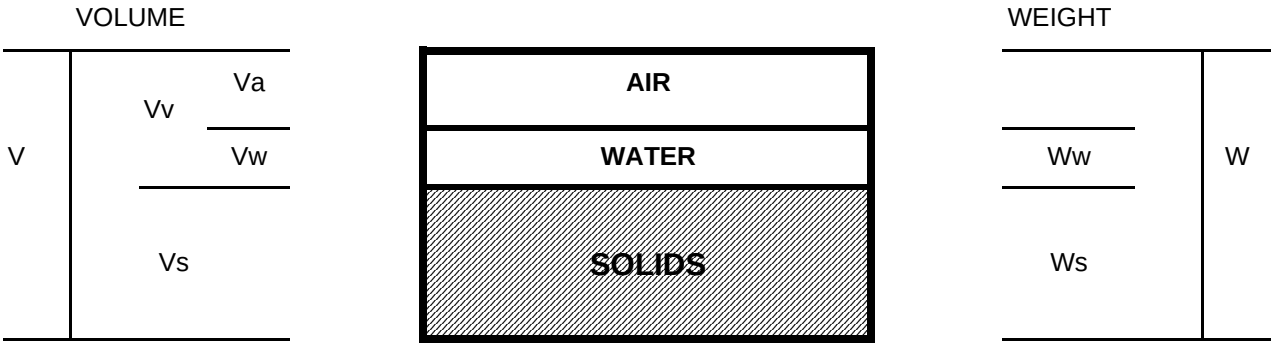

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6265**		
PROJECT	**TEST AMERICA NUF 2999**		
LOCATION OF SAMPLE	**NUF 2999-11**	**LAB ID**	**J 3773**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**YELLOWISH BROWN**		
SOIL WET DENSITY		**125.7**	pcf.
		2.00	g soil/cm3 soil
SOIL BULK DRY DENSITY		**109.2**	pcf.
		1.73	g soil/cm3 soil

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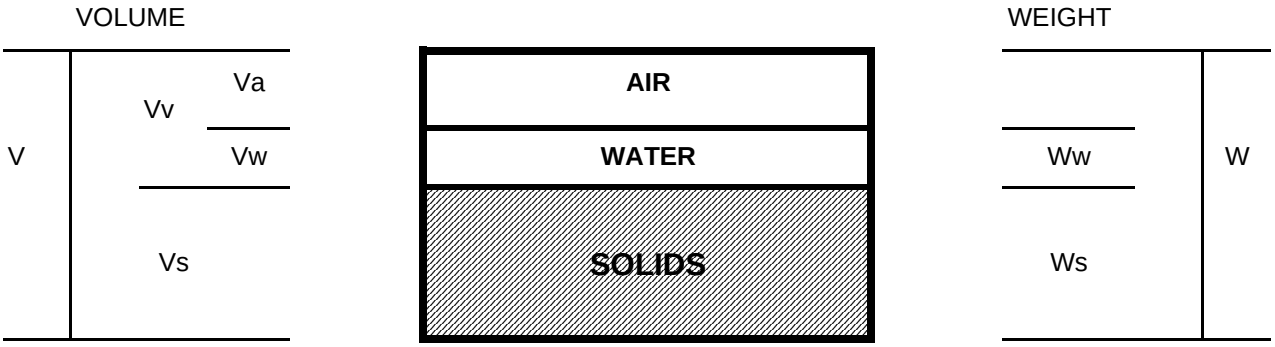

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6265**		
PROJECT	**TEST AMERICA NUF 2999**		
LOCATION OF SAMPLE	**NUF 2999-13**	**LAB ID**	**J 3774**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**YELLOWISH BROWN**		
SOIL WET DENSITY		**137.4**	pcf.
		2.18	g soil/cm3 soil
SOIL BULK DRY DENSITY		**120.8**	pcf.
		1.92	g soil/cm3 soil

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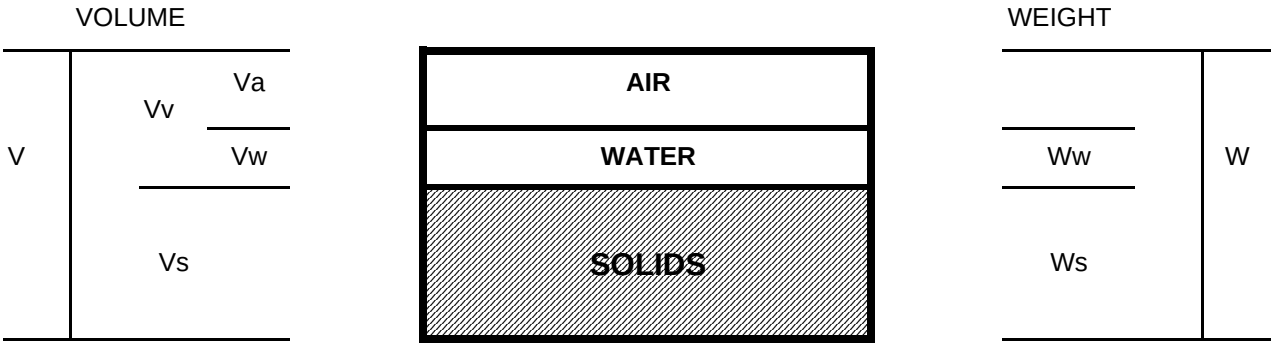

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6265**		
PROJECT	**TEST AMERICA NUF 2999**		
LOCATION OF SAMPLE	**NUF 2999-14**	**LAB ID**	**J 3775**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**YELLOWISH BROWN**		
SOIL WET DENSITY		**124.3**	pcf.
		1.97	g soil/cm3 soil
SOIL BULK DRY DENSITY		**110.3**	pcf.
		1.75	g soil/cm3 soil

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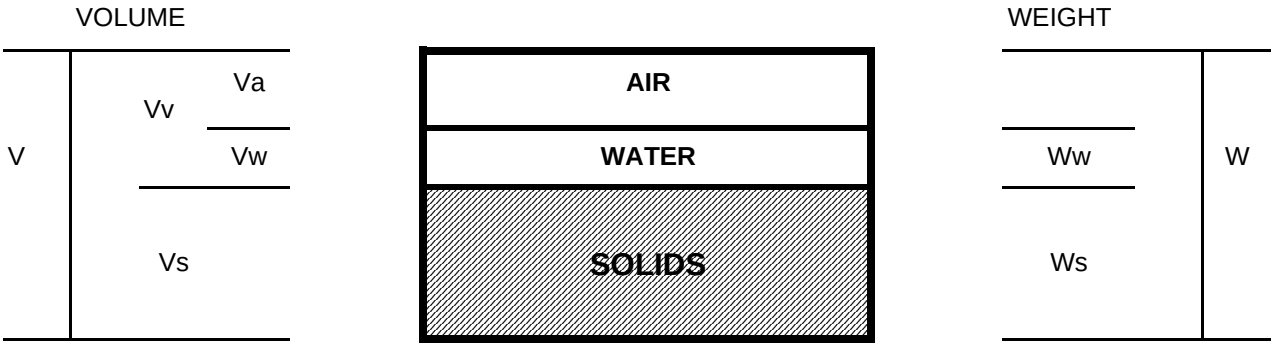

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SAMPLE IDENTIFICATION AND TEST RESULTS

DATE	**JUNE 27, 2011**		
PROJECT NUMBER	**11-6265**		
PROJECT	**TEST AMERICA NUF 2999**		
LOCATION OF SAMPLE	**NUF 2999-16**	**LAB ID**	**J 3776**
TYPE SAMPLE	**SPLIT SPOON**		
SOIL TYPE AND COLOR	**SILTY SAND**		
DESCRIPTION	**YELLOWISH BROWN**		
SOIL WET DENSITY		**114.3**	pcf.
		1.81	g soil/cm3 soil
SOIL BULK DRY DENSITY		**101.1**	pcf.
		1.60	g soil/cm3 soil

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RE

NUF2999

Cooler Received/Opened On 6/17/2011 @ 08:45

1. Tracking # 0374 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 2.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA Soil

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) RL

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

BIS = Broken in shipment

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RE(

Cooler Received/Opened On 6/17/2011@ 8:45 NUF2999

1. Tracking # 9400 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 4.3 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JH

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA Soil

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # N/A

I certify that I unloaded the cooler and answered questions 7-14 (intial) F

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) F

I certify that I attached a label with the unique LIMS number to each container (intial) F

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# _____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

06/28/2011

NUF2999
06/28/11 23:59

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404
","Reg District (CA)")

Client: Arcadis (Chelmsford) / FORD
Address: 2 Executive Drive, Suite 303
City, State, Zip: Chelmsford MA 01824
Client Invoice Contact: Accounts Payable
Client Project Mgr: Debra Stake
Client Telephone#: (978) 937-9999 Fax: (978) 937-7555
Sampler Name (Print) Ken Sully, Ian Martz
SamplerSignature:

TA Account #: 1425266 PO #: MA000725.0005.00107
Invoice to: Arcadis (Chelmsford) / FORD
Report to: Julie Santaniello
Project Name: Tibbetts Road Site
Facility ID: E101274
Reg District (CA):
Site Address: 23 Tibbetts Rd
City,State,Zip: Barrington, NH New Hampshire

	Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B NH Full list	Solids Percent Dry Weight	Subcontract - Bulk Density	TOC Solid	RUSH TAT (Pre Schedule)*
1	HP-08 (3-4)	6/16/11	0824	3	X			X							X					X		X				
2	HP-08 (12-13)		0842	4	X			X							X					X		X	X	X		
3	BD-061611-A		—	1	X			X							X					X		X	X	X		
4	HP-04 (5-6)		0922	3	X			X							X					X		X				
5	HP-04 (7-8)		1112	5	X			X							X					X		X	X	X	X	
6	HP-03 (6-7)		1152	3	X			X							X					X		X				
7	HP-03 (12-13)		1210	5	X			X							X					X		X	X	X	X	
8	HP-02 (6-7)		1306	3	X			X							X					X		X				
9	HP-02 (11-12)		1320	4	X			X							X					X		X	X	X		
10	HP-01 (6-7)	✓	1351																							

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments;additional charges may be assessed.
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: *BO # 23977*

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
	6/16/11	1630						

Shipped Via: FedEx
Received for TestAmerica By: Date: 6-17-11 Time: 8:45
Shipped Via:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific
(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)
Date Due of Report:

06/28/2011

1 NUF2999
06/28/11 23:59

THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

',"Reg District (CA)")

TA Account #: 1425266 PO #: MA000725.0005.00107

Client: Arcadis (Chelmsford) / FORD
Address: 2 Executive Drive, Suite 303
City, State, Zip: Chelmsford MA 01824
Client Invoice Contact: Accounts Payable
Client Project Mgr: Debra Stake
Client Telephone#: (978) 937-9999 Fax: (978) 937-7555
Sampler Name (Print) Ian Martz, Ken Scully
SamplerSignature:

Invoice to: Arcadis (Chelmsford) / FORD
Report to: Julie Santaniello
Project Name: Tibbetts Road Site
Facility ID: E101274
Reg District (CA):
Site Address: 23 Tibbetts Rd
City,State,Zip: Barrington, NH New Hampshire

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B NH Full list	Solids Percent Dry Weight	Subcontract - Bulk Density	TOC Solid	RUSH TAT (Pre Schedule)*
HP01 (10-11)	6/16/11	1355	4	X			X							X					X		X				
HP-17A (5-6)	6/16/11	1410	2	X			X							X					X		X				
HP-17A (10-11)	6/16/11	1420	4	X			X							X					X		X	X	X		
BD061611-B	6/16/11	--	4	X			X							X					X		X	X	X		
HP-07 (3-5)	6/16/11	1455	3	X			X							X					X		X				
HP-07 (10-11)	6/16/11	1500	4	X			X							X					X		X	X	X		
HP-06 (5-6)	6/16/11	1515	3	X			X							X					X		X				
HP-06 (13-14)	6/16/11	1520	4	X			X							X					X		X	X	X		
HP-05 (3-4)	6/16/11	1532	3	X			X							X					X		X				
HP-05 (10-11)	6/16/11	1540	4	X			X							X					X		X	X	X		

NOTES/SPECIAL INSTRUCTIONS: BO # 23977

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments;additional charges may be assessed.
There may be a charge assessed for TestAmerica disposing of sample remainders.

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
	6/16/11	1630						

Shipped Via: FedEx
Shipped Via:
Received for TestAmerica by: Date: 6-17-11 Time: 8:45
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific
(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)
Date Due of Report:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-25431-1
TestAmerica Sample Delivery Group: MA000725.0008.0107
Client Project/Site: FORD Tibbetts Road Site E101274
Revision: 2

For:
ARCADIS U.S., Inc.
1 Executive Drive
Suite 303
Chelmsford, Massachusetts 01824

Attn: Chuck Castelluccio

Authorized for release by:
7/1/2013 4:25:02 PM

Shali Brown, Project Manager I
shali.brown@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-25431-1	HP-22 (9-10)	Soil	04/29/13 08:57	04/30/13 08:30
490-25431-2	HP-23 (12-13)	Soil	04/29/13 09:39	04/30/13 08:30
490-25431-3	HP-26 (5-6)	Soil	04/29/13 10:20	04/30/13 08:30
490-25431-4	HP-25 (4-5)	Soil	04/29/13 11:02	04/30/13 08:30
490-25431-5	HP-24 (6-7)	Soil	04/29/13 12:01	04/30/13 08:30
490-25431-6	HP-03-2 (9-10)	Soil	04/29/13 12:18	04/30/13 08:30
490-25431-7	HP-27 (6-7)	Soil	04/29/13 12:48	04/30/13 08:30
490-25431-8	HP-30 (6-7)	Soil	04/29/13 13:32	04/30/13 08:30
490-25431-9	HP-31 (7-8)	Soil	04/29/13 13:53	04/30/13 08:30
490-25431-10	HP-29 (7-8)	Soil	04/29/13 14:17	04/30/13 08:30
490-25431-11	HP-28 (6-7)	Soil	04/29/13 15:06	04/30/13 08:30

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Job ID: 490-25431-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-25431-1

Comments
062813 Revised report to add 34 compounds to the 8260 volatiles list at client request. This report replaces the report previously generated on 050613.
070113 Revised report to correct the surrogate values on samples -02 and --06 and correct the results on -06 from 1x to 10x and 100x. This report replaces the previous report issued on 062813.

Receipt
The samples were received on 4/30/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.2º C and 1.6º C.

GC/MS VOA
Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: HP-03-2 (9-10) (490-25431-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Vial 490-25431-C-4 did not contain enough methanol. The following sample was prepped in the lab from a jar: HP-25 (4-5) (490-25431-4).

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-22 (9-10)

Date Collected: 04/29/13 08:57
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-1
Matrix: Soil
Percent Solids: 93.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.55	2.04	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Benzene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Bromobenzene	ND		0.102	0.0368	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Bromochloromethane	ND		0.102	0.0286	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Bromoform	ND		0.102	0.0286	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Bromomethane	ND		0.102	0.0613	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
2-Butanone (MEK)	ND		2.55	0.266	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Carbon disulfide	ND		0.255	0.184	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Carbon tetrachloride	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Chlorobenzene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Chlorodibromomethane	ND		0.102	0.0174	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Chloroethane	ND		0.255	0.0971	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Chloroform	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Chloromethane	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
2-Chlorotoluene	ND		0.102	0.0470	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
4-Chlorotoluene	ND		0.102	0.0429	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
cis-1,2-Dichloroethene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
cis-1,3-Dichloropropene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,2-Dibromo-3-Chloropropane	ND		0.255	0.0358	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,2-Dibromoethane (EDB)	ND		0.102	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Dibromomethane	ND		0.102	0.0286	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,3-Dichlorobenzene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,2-Dichlorobenzene	ND		0.102	0.0174	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,4-Dichlorobenzene	ND		0.102	0.0480	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Dichlorobromomethane	ND		0.102	0.0286	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Dichlorodifluoromethane	ND		0.102	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,1-Dichloroethane	ND		0.102	0.0342	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,2-Dichloroethane	**0.0682**	**J**	0.102	0.0342	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,1-Dichloroethene	ND		0.102	0.0296	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,2-Dichloropropane	ND		0.102	0.0480	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
2,2-Dichloropropane	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,3-Dichloropropane	ND		0.102	0.0480	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,1-Dichloropropene	ND		0.102	0.0266	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Diethyl ether	ND		0.511	0.174	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Diisopropyl ether	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Ethylbenzene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Ethyl tert-butyl ether	ND		0.255	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Hexachlorobutadiene	ND		0.255	0.0562	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
2-Hexanone	ND		2.55	0.858	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Isopropylbenzene	ND		0.102	0.0215	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Methylene Chloride	ND		0.511	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
4-Methyl-2-pentanone (MIBK)	ND		2.55	0.868	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Methyl tert-butyl ether	ND		0.102	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
m-Xylene & p-Xylene	ND		0.153	0.0286	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Naphthalene	ND		0.255	0.0868	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
n-Butylbenzene	ND		0.102	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
N-Propylbenzene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
o-Xylene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
p-Isopropyltoluene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-22 (9-10)

Date Collected: 04/29/13 08:57
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-1

Matrix: Soil
Percent Solids: 93.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Styrene	ND		0.102	0.0562	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Tert-amyl methyl ether	ND		0.102	0.0163	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
tert-Butyl alcohol (TBA)	ND		2.55	0.572	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
tert-Butylbenzene	ND		0.102	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,1,1,2-Tetrachloroethane	ND		0.102	0.0342	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,1,2,2-Tetrachloroethane	ND		0.102	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Tetrachloroethene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Tetrahydrofuran	ND		1.02	0.480	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Toluene	ND		0.102	0.0378	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
trans-1,2-Dichloroethene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
trans-1,3-Dichloropropene	ND		0.102	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,3,5-Trichlorobenzene	ND		0.102	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,2,4-Trichlorobenzene	ND		0.102	0.0342	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,2,3-Trichlorobenzene	ND		0.102	0.0194	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,1,1-Trichloroethane	ND		0.102	0.0470	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,1,2-Trichloroethane	ND		0.255	0.0715	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Trichloroethene	ND		0.102	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Trichlorofluoromethane	ND		0.102	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,2,3-Trichloropropane	**0.209**		0.102	0.0286	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,2,4-Trimethylbenzene	ND		0.102	0.0511	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
1,3,5-Trimethylbenzene	ND		0.102	0.0388	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Vinyl chloride	ND		0.102	0.0562	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1
Xylenes, Total	ND		0.255	0.0347	mg/Kg	☼	04/30/13 13:29	05/01/13 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*04/30/13 13:29*	*05/01/13 16:44*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*04/30/13 13:29*	*05/01/13 16:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*04/30/13 13:29*	*05/01/13 16:44*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*04/30/13 13:29*	*05/01/13 16:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**94**		0.10	0.10	%			04/30/13 15:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-23 (12-13)

Date Collected: 04/29/13 09:39
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-2

Matrix: Soil
Percent Solids: 89.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		3.22	2.57	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Benzene	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Bromobenzene	ND		0.129	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Bromochloromethane	ND		0.129	0.0360	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Bromoform	ND		0.129	0.0360	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Bromomethane	ND		0.129	0.0772	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
2-Butanone (MEK)	ND		3.22	0.335	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Carbon disulfide	ND		0.322	0.232	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Carbon tetrachloride	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Chlorobenzene	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Chlorodibromomethane	ND		0.129	0.0219	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Chloroethane	ND		0.322	0.122	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Chloroform	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Chloromethane	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
2-Chlorotoluene	ND		0.129	0.0592	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
4-Chlorotoluene	**0.220**		0.129	0.0540	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
cis-1,2-Dichloroethene	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
cis-1,3-Dichloropropene	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,2-Dibromo-3-Chloropropane	ND		0.322	0.0450	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,2-Dibromoethane (EDB)	ND		0.129	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Dibromomethane	ND		0.129	0.0360	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,3-Dichlorobenzene	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,2-Dichlorobenzene	ND		0.129	0.0219	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,4-Dichlorobenzene	ND		0.129	0.0605	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Dichlorobromomethane	ND		0.129	0.0360	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Dichlorodifluoromethane	ND		0.129	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,1-Dichloroethane	ND		0.129	0.0431	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,2-Dichloroethane	ND		0.129	0.0431	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,1-Dichloroethene	ND		0.129	0.0373	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,2-Dichloropropane	ND		0.129	0.0605	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
2,2-Dichloropropane	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,3-Dichloropropane	ND		0.129	0.0605	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,1-Dichloropropene	ND		0.129	0.0335	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Diethyl ether	ND		0.643	0.219	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Diisopropyl ether	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Ethylbenzene	**0.411**		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Ethyl tert-butyl ether	ND		0.322	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Hexachlorobutadiene	ND		0.322	0.0708	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
2-Hexanone	ND		3.22	1.08	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Isopropylbenzene	**0.547**		0.129	0.0270	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Methylene Chloride	ND		0.643	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		3.22	1.09	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Methyl tert-butyl ether	ND		0.129	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
m-Xylene & p-Xylene	**0.559**		0.193	0.0360	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Naphthalene	**0.133**	**J**	0.322	0.109	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
n-Butylbenzene	**2.45**		0.129	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
N-Propylbenzene	**0.677**		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
o-Xylene	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
p-Isopropyltoluene	**1.59**		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-23 (12-13)

Date Collected: 04/29/13 09:39
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-2

Matrix: Soil
Percent Solids: 89.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**1.04**		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Styrene	ND		0.129	0.0708	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Tert-amyl methyl ether	ND		0.129	0.0206	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
tert-Butyl alcohol (TBA)	ND		3.22	0.721	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
tert-Butylbenzene	ND		0.129	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,1,1,2-Tetrachloroethane	ND		0.129	0.0431	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,1,2,2-Tetrachloroethane	ND		0.129	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Tetrachloroethene	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Tetrahydrofuran	ND		1.29	0.605	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Toluene	ND		0.129	0.0476	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
trans-1,2-Dichloroethene	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
trans-1,3-Dichloropropene	ND		0.129	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,3,5-Trichlorobenzene	ND		0.129	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,2,4-Trichlorobenzene	ND		0.129	0.0431	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,2,3-Trichlorobenzene	ND		0.129	0.0244	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,1,1-Trichloroethane	ND		0.129	0.0592	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,1,2-Trichloroethane	ND		0.322	0.0901	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Trichloroethene	ND		0.129	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Trichlorofluoromethane	ND		0.129	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,2,3-Trichloropropane	ND		0.129	0.0360	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,2,4-Trimethylbenzene	**0.526**		0.129	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
1,3,5-Trimethylbenzene	**1.52**		0.129	0.0489	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Vinyl chloride	ND		0.129	0.0708	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1
Xylenes, Total	**0.559**		0.322	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*04/30/13 13:29*	*05/01/13 17:10*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*04/30/13 13:29*	*05/01/13 17:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*04/30/13 13:29*	*05/01/13 17:10*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*	*04/30/13 13:29*	*05/01/13 17:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90**		0.10	0.10	%			04/30/13 15:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-26 (5-6)

Date Collected: 04/29/13 10:20
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-3

Matrix: Soil
Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	2.00	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Benzene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Bromobenzene	ND		0.100	0.0360	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Bromochloromethane	ND		0.100	0.0280	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Bromoform	ND		0.100	0.0280	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Bromomethane	ND		0.100	0.0600	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
2-Butanone (MEK)	ND		2.50	0.260	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Carbon disulfide	ND		0.250	0.180	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Carbon tetrachloride	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Chlorobenzene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Chlorodibromomethane	ND		0.100	0.0170	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Chloroethane	ND		0.250	0.0950	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Chloroform	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Chloromethane	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
2-Chlorotoluene	ND		0.100	0.0460	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
4-Chlorotoluene	ND		0.100	0.0420	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
cis-1,2-Dichloroethene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
cis-1,3-Dichloropropene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,2-Dibromo-3-Chloropropane	ND		0.250	0.0350	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,2-Dibromoethane (EDB)	ND		0.100	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Dibromomethane	ND		0.100	0.0280	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,3-Dichlorobenzene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,2-Dichlorobenzene	ND		0.100	0.0170	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,4-Dichlorobenzene	ND		0.100	0.0470	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Dichlorobromomethane	ND		0.100	0.0280	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Dichlorodifluoromethane	ND		0.100	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,1-Dichloroethane	ND		0.100	0.0335	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,2-Dichloroethane	**0.0641**	**J**	0.100	0.0335	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,1-Dichloroethene	ND		0.100	0.0290	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,2-Dichloropropane	ND		0.100	0.0470	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
2,2-Dichloropropane	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,3-Dichloropropane	ND		0.100	0.0470	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,1-Dichloropropene	ND		0.100	0.0260	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Diethyl ether	ND		0.500	0.170	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Diisopropyl ether	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Ethylbenzene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Ethyl tert-butyl ether	ND		0.250	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Hexachlorobutadiene	ND		0.250	0.0550	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
2-Hexanone	ND		2.50	0.840	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Isopropylbenzene	ND		0.100	0.0210	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Methylene Chloride	ND		0.500	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
4-Methyl-2-pentanone (MIBK)	ND		2.50	0.850	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Methyl tert-butyl ether	ND		0.100	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
m-Xylene & p-Xylene	ND		0.150	0.0280	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Naphthalene	ND		0.250	0.0850	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
n-Butylbenzene	ND		0.100	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
N-Propylbenzene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
o-Xylene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
p-Isopropyltoluene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-26 (5-6)

Date Collected: 04/29/13 10:20
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-3

Matrix: Soil
Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Styrene	ND		0.100	0.0550	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Tert-amyl methyl ether	ND		0.100	0.0160	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
tert-Butyl alcohol (TBA)	ND		2.50	0.560	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
tert-Butylbenzene	ND		0.100	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,1,1,2-Tetrachloroethane	ND		0.100	0.0335	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,1,2,2-Tetrachloroethane	ND		0.100	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Tetrachloroethene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Tetrahydrofuran	ND		1.00	0.470	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Toluene	ND		0.100	0.0370	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
trans-1,2-Dichloroethene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
trans-1,3-Dichloropropene	ND		0.100	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,3,5-Trichlorobenzene	ND		0.100	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,2,4-Trichlorobenzene	ND		0.100	0.0335	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,2,3-Trichlorobenzene	ND		0.100	0.0190	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,1,1-Trichloroethane	ND		0.100	0.0460	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,1,2-Trichloroethane	ND		0.250	0.0700	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Trichloroethene	ND		0.100	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Trichlorofluoromethane	ND		0.100	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,2,3-Trichloropropane	ND		0.100	0.0280	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,2,4-Trimethylbenzene	ND		0.100	0.0500	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
1,3,5-Trimethylbenzene	ND		0.100	0.0380	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Vinyl chloride	ND		0.100	0.0550	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1
Xylenes, Total	ND		0.250	0.0340	mg/Kg	☼	04/30/13 13:29	05/01/13 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/30/13 13:29*	*05/01/13 17:36*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*	*04/30/13 13:29*	*05/01/13 17:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*04/30/13 13:29*	*05/01/13 17:36*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*04/30/13 13:29*	*05/01/13 17:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89**		0.10	0.10	%			04/30/13 15:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-25 (4-5)

Date Collected: 04/29/13 11:02
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-4

Matrix: Soil
Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.46	1.97	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Benzene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Bromobenzene	ND		0.0985	0.0355	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Bromochloromethane	ND		0.0985	0.0276	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Bromoform	ND		0.0985	0.0276	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Bromomethane	ND		0.0985	0.0591	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
2-Butanone (MEK)	ND		2.46	0.256	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Carbon disulfide	ND		0.246	0.177	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Carbon tetrachloride	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Chlorobenzene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Chlorodibromomethane	ND		0.0985	0.0167	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Chloroethane	ND		0.246	0.0936	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Chloroform	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Chloromethane	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
2-Chlorotoluene	ND		0.0985	0.0453	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
4-Chlorotoluene	ND		0.0985	0.0414	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
cis-1,2-Dichloroethene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
cis-1,3-Dichloropropene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,2-Dibromo-3-Chloropropane	ND		0.246	0.0345	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,2-Dibromoethane (EDB)	ND		0.0985	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Dibromomethane	ND		0.0985	0.0276	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,3-Dichlorobenzene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,2-Dichlorobenzene	ND		0.0985	0.0167	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,4-Dichlorobenzene	ND		0.0985	0.0463	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Dichlorobromomethane	ND		0.0985	0.0276	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Dichlorodifluoromethane	ND		0.0985	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,1-Dichloroethane	ND		0.0985	0.0330	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,2-Dichloroethane	**0.0604**	**J**	0.0985	0.0330	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,1-Dichloroethene	ND		0.0985	0.0286	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,2-Dichloropropane	ND		0.0985	0.0463	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
2,2-Dichloropropane	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,3-Dichloropropane	ND		0.0985	0.0463	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,1-Dichloropropene	ND		0.0985	0.0256	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Diethyl ether	ND		0.492	0.167	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Diisopropyl ether	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Ethylbenzene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Ethyl tert-butyl ether	ND		0.246	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Hexachlorobutadiene	ND		0.246	0.0542	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
2-Hexanone	ND		2.46	0.827	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Isopropylbenzene	ND		0.0985	0.0207	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Methylene Chloride	ND		0.492	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
4-Methyl-2-pentanone (MIBK)	ND		2.46	0.837	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Methyl tert-butyl ether	ND		0.0985	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
m-Xylene & p-Xylene	**0.0746**	**J**	0.148	0.0276	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Naphthalene	ND		0.246	0.0837	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
n-Butylbenzene	ND		0.0985	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
N-Propylbenzene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
o-Xylene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
p-Isopropyltoluene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-25 (4-5)

Date Collected: 04/29/13 11:02
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-4

Matrix: Soil
Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Styrene	ND		0.0985	0.0542	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Tert-amyl methyl ether	ND		0.0985	0.0158	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
tert-Butyl alcohol (TBA)	ND		2.46	0.552	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
tert-Butylbenzene	ND		0.0985	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,1,1,2-Tetrachloroethane	ND		0.0985	0.0330	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,1,2,2-Tetrachloroethane	ND		0.0985	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Tetrachloroethene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Tetrahydrofuran	ND		0.985	0.463	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Toluene	ND		0.0985	0.0364	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
trans-1,2-Dichloroethene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
trans-1,3-Dichloropropene	ND		0.0985	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,3,5-Trichlorobenzene	ND		0.0985	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,2,4-Trichlorobenzene	ND		0.0985	0.0330	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,2,3-Trichlorobenzene	ND		0.0985	0.0187	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,1,1-Trichloroethane	ND		0.0985	0.0453	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,1,2-Trichloroethane	ND		0.246	0.0689	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Trichloroethene	ND		0.0985	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Trichlorofluoromethane	ND		0.0985	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,2,3-Trichloropropane	ND		0.0985	0.0276	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,2,4-Trimethylbenzene	ND		0.0985	0.0492	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
1,3,5-Trimethylbenzene	ND		0.0985	0.0374	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Vinyl chloride	ND		0.0985	0.0542	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1
Xylenes, Total	**0.0746**	**J**	0.246	0.0335	mg/Kg	☼	05/01/13 16:21	05/01/13 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/01/13 16:21*	*05/01/13 21:56*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*05/01/13 16:21*	*05/01/13 21:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*	*05/01/13 16:21*	*05/01/13 21:56*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*05/01/13 16:21*	*05/01/13 21:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91**		0.10	0.10	%			04/30/13 15:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-24 (6-7)

Date Collected: 04/29/13 12:01
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-5
Matrix: Soil
Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.42	1.93	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Benzene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Bromobenzene	ND		0.0967	0.0348	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Bromochloromethane	ND		0.0967	0.0271	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Bromoform	ND		0.0967	0.0271	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Bromomethane	ND		0.0967	0.0580	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
2-Butanone (MEK)	ND		2.42	0.251	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Carbon disulfide	ND		0.242	0.174	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Carbon tetrachloride	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Chlorobenzene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Chlorodibromomethane	ND		0.0967	0.0164	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Chloroethane	ND		0.242	0.0919	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Chloroform	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Chloromethane	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
2-Chlorotoluene	ND		0.0967	0.0445	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
4-Chlorotoluene	ND		0.0967	0.0406	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
cis-1,2-Dichloroethene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
cis-1,3-Dichloropropene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,2-Dibromo-3-Chloropropane	ND		0.242	0.0339	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,2-Dibromoethane (EDB)	ND		0.0967	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Dibromomethane	ND		0.0967	0.0271	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,3-Dichlorobenzene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,2-Dichlorobenzene	ND		0.0967	0.0164	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,4-Dichlorobenzene	ND		0.0967	0.0455	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Dichlorobromomethane	ND		0.0967	0.0271	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Dichlorodifluoromethane	ND		0.0967	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,1-Dichloroethane	ND		0.0967	0.0324	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,2-Dichloroethane	**0.0656**	**J**	0.0967	0.0324	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,1-Dichloroethene	ND		0.0967	0.0280	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,2-Dichloropropane	ND		0.0967	0.0455	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
2,2-Dichloropropane	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,3-Dichloropropane	ND		0.0967	0.0455	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,1-Dichloropropene	ND		0.0967	0.0251	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Diethyl ether	ND		0.484	0.164	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Diisopropyl ether	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Ethylbenzene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Ethyl tert-butyl ether	ND		0.242	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Hexachlorobutadiene	ND		0.242	0.0532	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
2-Hexanone	ND		2.42	0.812	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Isopropylbenzene	ND		0.0967	0.0203	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Methylene Chloride	ND		0.484	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
4-Methyl-2-pentanone (MIBK)	ND		2.42	0.822	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Methyl tert-butyl ether	ND		0.0967	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
m-Xylene & p-Xylene	ND		0.145	0.0271	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Naphthalene	ND		0.242	0.0822	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
n-Butylbenzene	ND		0.0967	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
N-Propylbenzene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
o-Xylene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
p-Isopropyltoluene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-24 (6-7)

Date Collected: 04/29/13 12:01
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-5

Matrix: Soil
Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Styrene	ND		0.0967	0.0532	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Tert-amyl methyl ether	ND		0.0967	0.0155	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
tert-Butyl alcohol (TBA)	ND		2.42	0.542	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
tert-Butylbenzene	ND		0.0967	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,1,1,2-Tetrachloroethane	ND		0.0967	0.0324	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,1,2,2-Tetrachloroethane	ND		0.0967	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Tetrachloroethene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Tetrahydrofuran	ND		0.967	0.455	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Toluene	ND		0.0967	0.0358	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
trans-1,2-Dichloroethene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
trans-1,3-Dichloropropene	ND		0.0967	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,3,5-Trichlorobenzene	ND		0.0967	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,2,4-Trichlorobenzene	ND		0.0967	0.0324	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,2,3-Trichlorobenzene	ND		0.0967	0.0184	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,1,1-Trichloroethane	ND		0.0967	0.0445	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,1,2-Trichloroethane	ND		0.242	0.0677	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Trichloroethene	ND		0.0967	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Trichlorofluoromethane	ND		0.0967	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,2,3-Trichloropropane	ND		0.0967	0.0271	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,2,4-Trimethylbenzene	ND		0.0967	0.0484	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
1,3,5-Trimethylbenzene	ND		0.0967	0.0368	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Vinyl chloride	ND		0.0967	0.0532	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1
Xylenes, Total	ND		0.242	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:02*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:02*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89**		0.10	0.10	%			04/30/13 15:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-03-2 (9-10)

Lab Sample ID: 490-25431-6

Date Collected: 04/29/13 12:18
Date Received: 04/30/13 08:30

Matrix: Soil
Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23.0	18.4	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Benzene	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Bromobenzene	ND		0.921	0.332	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Bromochloromethane	ND		0.921	0.258	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Bromoform	ND		0.921	0.258	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Bromomethane	ND		0.921	0.553	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
2-Butanone (MEK)	ND		23.0	2.40	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Carbon disulfide	ND		2.30	1.66	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Carbon tetrachloride	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Chlorobenzene	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Chlorodibromomethane	ND		0.921	0.157	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Chloroethane	ND		2.30	0.875	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Chloroform	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Chloromethane	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
2-Chlorotoluene	ND		0.921	0.424	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
4-Chlorotoluene	ND		0.921	0.387	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
cis-1,2-Dichloroethene	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
cis-1,3-Dichloropropene	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,2-Dibromo-3-Chloropropane	ND		2.30	0.322	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,2-Dibromoethane (EDB)	ND		0.921	0.461	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Dibromomethane	ND		0.921	0.258	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,3-Dichlorobenzene	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,2-Dichlorobenzene	ND		0.921	0.157	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,4-Dichlorobenzene	ND		0.921	0.433	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Dichlorobromomethane	ND		0.921	0.258	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Dichlorodifluoromethane	ND		0.921	0.461	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,1-Dichloroethane	ND		0.921	0.309	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,2-Dichloroethane	ND		0.921	0.309	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,1-Dichloroethene	ND		0.921	0.267	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,2-Dichloropropane	ND		0.921	0.433	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
2,2-Dichloropropane	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,3-Dichloropropane	ND		0.921	0.433	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,1-Dichloropropene	ND		0.921	0.240	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Diethyl ether	ND		4.61	1.57	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Diisopropyl ether	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Ethylbenzene	**185**		9.21	3.13	mg/Kg	☼	04/30/13 13:29	05/03/13 02:34	100
Ethyl tert-butyl ether	ND		2.30	0.461	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Hexachlorobutadiene	ND		2.30	0.507	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
2-Hexanone	ND		23.0	7.74	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Isopropylbenzene	**26.2**		0.921	0.193	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Methylene Chloride	ND		4.61	0.461	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
4-Methyl-2-pentanone (MIBK)	ND		23.0	7.83	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Methyl tert-butyl ether	ND		0.921	0.461	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
m-Xylene & p-Xylene	**799**		13.8	2.58	mg/Kg	☼	04/30/13 13:29	05/03/13 02:34	100
Naphthalene	**68.3**		2.30	0.783	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
n-Butylbenzene	**60.5**		0.921	0.461	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
N-Propylbenzene	**25.8**		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
o-Xylene	**294**		9.21	3.13	mg/Kg	☼	04/30/13 13:29	05/03/13 02:34	100
p-Isopropyltoluene	**16.7**		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-03-2 (9-10)

Date Collected: 04/29/13 12:18
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-6

Matrix: Soil
Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**10.9**		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Styrene	ND		0.921	0.507	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Tert-amyl methyl ether	ND		0.921	0.147	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
tert-Butyl alcohol (TBA)	ND		23.0	5.16	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
tert-Butylbenzene	**2.09**		0.921	0.461	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,1,1,2-Tetrachloroethane	ND		0.921	0.309	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,1,2,2-Tetrachloroethane	ND		0.921	0.461	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Tetrachloroethene	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Tetrahydrofuran	ND		9.21	4.33	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Toluene	**321**		9.21	3.41	mg/Kg	☼	04/30/13 13:29	05/03/13 02:34	100
trans-1,2-Dichloroethene	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
trans-1,3-Dichloropropene	ND		0.921	0.313	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,3,5-Trichlorobenzene	ND		0.921	0.461	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,2,4-Trichlorobenzene	ND		0.921	0.309	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,2,3-Trichlorobenzene	ND		0.921	0.175	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,1,1-Trichloroethane	ND		0.921	0.424	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,1,2-Trichloroethane	ND		2.30	0.645	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Trichloroethene	ND		0.921	0.461	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Trichlorofluoromethane	ND		0.921	0.461	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,2,3-Trichloropropane	ND		0.921	0.258	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
1,2,4-Trimethylbenzene	**191**		9.21	4.61	mg/Kg	☼	04/30/13 13:29	05/03/13 02:34	100
1,3,5-Trimethylbenzene	**67.6**		0.921	0.350	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Vinyl chloride	ND		0.921	0.507	mg/Kg	☼	04/30/13 13:29	05/01/13 21:04	10
Xylenes, Total	**1090**		23.0	3.13	mg/Kg	☼	04/30/13 13:29	05/03/13 02:34	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*04/30/13 13:29*	*05/01/13 21:04*	*10*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*04/30/13 13:29*	*05/03/13 02:34*	*100*
Dibromofluoromethane (Surr)	*89*		*70 - 130*	*04/30/13 13:29*	*05/01/13 21:04*	*10*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*04/30/13 13:29*	*05/03/13 02:34*	*100*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*	*04/30/13 13:29*	*05/01/13 21:04*	*10*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*04/30/13 13:29*	*05/03/13 02:34*	*100*
Toluene-d8 (Surr)	*103*		*70 - 130*	*04/30/13 13:29*	*05/01/13 21:04*	*10*
Toluene-d8 (Surr)	*101*		*70 - 130*	*04/30/13 13:29*	*05/03/13 02:34*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90**		0.10	0.10	%			04/30/13 15:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-27 (6-7)

Date Collected: 04/29/13 12:48
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-7

Matrix: Soil
Percent Solids: 84.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.94	2.35	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Benzene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Bromobenzene	ND		0.118	0.0423	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Bromochloromethane	ND		0.118	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Bromoform	ND		0.118	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Bromomethane	ND		0.118	0.0706	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
2-Butanone (MEK)	ND		2.94	0.306	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Carbon disulfide	ND		0.294	0.212	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Carbon tetrachloride	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Chlorobenzene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Chlorodibromomethane	ND		0.118	0.0200	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Chloroethane	ND		0.294	0.112	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Chloroform	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Chloromethane	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
2-Chlorotoluene	ND		0.118	0.0541	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
4-Chlorotoluene	ND		0.118	0.0494	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
cis-1,2-Dichloroethene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
cis-1,3-Dichloropropene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,2-Dibromo-3-Chloropropane	ND		0.294	0.0412	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,2-Dibromoethane (EDB)	ND		0.118	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Dibromomethane	ND		0.118	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,3-Dichlorobenzene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,2-Dichlorobenzene	ND		0.118	0.0200	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,4-Dichlorobenzene	ND		0.118	0.0553	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Dichlorobromomethane	ND		0.118	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Dichlorodifluoromethane	ND		0.118	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,1-Dichloroethane	ND		0.118	0.0394	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,2-Dichloroethane	**0.0782**	**J**	0.118	0.0394	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,1-Dichloroethene	ND		0.118	0.0341	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,2-Dichloropropane	ND		0.118	0.0553	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
2,2-Dichloropropane	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,3-Dichloropropane	ND		0.118	0.0553	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,1-Dichloropropene	ND		0.118	0.0306	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Diethyl ether	ND		0.588	0.200	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Diisopropyl ether	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Ethylbenzene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Ethyl tert-butyl ether	ND		0.294	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Hexachlorobutadiene	ND		0.294	0.0647	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
2-Hexanone	ND		2.94	0.988	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Isopropylbenzene	ND		0.118	0.0247	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Methylene Chloride	ND		0.588	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
4-Methyl-2-pentanone (MIBK)	ND		2.94	1.00	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Methyl tert-butyl ether	ND		0.118	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
m-Xylene & p-Xylene	ND		0.176	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Naphthalene	ND		0.294	0.100	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
n-Butylbenzene	ND		0.118	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
N-Propylbenzene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
o-Xylene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
p-Isopropyltoluene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-27 (6-7)

Date Collected: 04/29/13 12:48
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-7

Matrix: Soil
Percent Solids: 84.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Styrene	ND		0.118	0.0647	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Tert-amyl methyl ether	ND		0.118	0.0188	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
tert-Butyl alcohol (TBA)	ND		2.94	0.659	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
tert-Butylbenzene	ND		0.118	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,1,1,2-Tetrachloroethane	ND		0.118	0.0394	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,1,2,2-Tetrachloroethane	ND		0.118	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Tetrachloroethene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Tetrahydrofuran	ND		1.18	0.553	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Toluene	ND		0.118	0.0435	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
trans-1,2-Dichloroethene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
trans-1,3-Dichloropropene	ND		0.118	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,3,5-Trichlorobenzene	ND		0.118	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,2,4-Trichlorobenzene	ND		0.118	0.0394	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,2,3-Trichlorobenzene	ND		0.118	0.0223	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,1,1-Trichloroethane	ND		0.118	0.0541	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,1,2-Trichloroethane	ND		0.294	0.0823	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Trichloroethene	ND		0.118	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Trichlorofluoromethane	ND		0.118	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,2,3-Trichloropropane	ND		0.118	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,2,4-Trimethylbenzene	ND		0.118	0.0588	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
1,3,5-Trimethylbenzene	ND		0.118	0.0447	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Vinyl chloride	ND		0.118	0.0647	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1
Xylenes, Total	ND		0.294	0.0400	mg/Kg	☼	04/30/13 13:29	05/01/13 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:28*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:28*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**85**		0.10	0.10	%			04/30/13 15:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-30 (6-7)

Date Collected: 04/29/13 13:32
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-8

Matrix: Soil
Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		3.12	2.50	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Benzene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Bromobenzene	ND		0.125	0.0449	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Bromochloromethane	ND		0.125	0.0349	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Bromoform	ND		0.125	0.0349	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Bromomethane	ND		0.125	0.0749	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
2-Butanone (MEK)	ND		3.12	0.325	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Carbon disulfide	ND		0.312	0.225	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Carbon tetrachloride	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Chlorobenzene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Chlorodibromomethane	ND		0.125	0.0212	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Chloroethane	ND		0.312	0.119	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Chloroform	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Chloromethane	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
2-Chlorotoluene	ND		0.125	0.0574	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
4-Chlorotoluene	ND		0.125	0.0524	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
cis-1,2-Dichloroethene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
cis-1,3-Dichloropropene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,2-Dibromo-3-Chloropropane	ND		0.312	0.0437	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,2-Dibromoethane (EDB)	ND		0.125	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Dibromomethane	ND		0.125	0.0349	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,3-Dichlorobenzene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,2-Dichlorobenzene	ND		0.125	0.0212	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,4-Dichlorobenzene	ND		0.125	0.0587	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Dichlorobromomethane	ND		0.125	0.0349	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Dichlorodifluoromethane	ND		0.125	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,1-Dichloroethane	ND		0.125	0.0418	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,2-Dichloroethane	**0.0819**	**J**	0.125	0.0418	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,1-Dichloroethene	ND		0.125	0.0362	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,2-Dichloropropane	ND		0.125	0.0587	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
2,2-Dichloropropane	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,3-Dichloropropane	ND		0.125	0.0587	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,1-Dichloropropene	ND		0.125	0.0325	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Diethyl ether	ND		0.624	0.212	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Diisopropyl ether	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Ethylbenzene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Ethyl tert-butyl ether	ND		0.312	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Hexachlorobutadiene	ND		0.312	0.0686	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
2-Hexanone	ND		3.12	1.05	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Isopropylbenzene	ND		0.125	0.0262	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Methylene Chloride	ND		0.624	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
4-Methyl-2-pentanone (MIBK)	ND		3.12	1.06	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Methyl tert-butyl ether	ND		0.125	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
m-Xylene & p-Xylene	ND		0.187	0.0349	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Naphthalene	ND		0.312	0.106	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
n-Butylbenzene	ND		0.125	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
N-Propylbenzene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
o-Xylene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
p-Isopropyltoluene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-30 (6-7)

Date Collected: 04/29/13 13:32
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-8

Matrix: Soil
Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Styrene	ND		0.125	0.0686	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Tert-amyl methyl ether	ND		0.125	0.0200	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
tert-Butyl alcohol (TBA)	ND		3.12	0.699	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
tert-Butylbenzene	ND		0.125	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,1,1,2-Tetrachloroethane	ND		0.125	0.0418	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,1,2,2-Tetrachloroethane	ND		0.125	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Tetrachloroethene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Tetrahydrofuran	ND		1.25	0.587	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Toluene	ND		0.125	0.0462	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
trans-1,2-Dichloroethene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
trans-1,3-Dichloropropene	ND		0.125	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,3,5-Trichlorobenzene	ND		0.125	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,2,4-Trichlorobenzene	ND		0.125	0.0418	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,2,3-Trichlorobenzene	ND		0.125	0.0237	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,1,1-Trichloroethane	ND		0.125	0.0574	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,1,2-Trichloroethane	ND		0.312	0.0874	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Trichloroethene	ND		0.125	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Trichlorofluoromethane	ND		0.125	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,2,3-Trichloropropane	**0.501**		0.125	0.0349	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,2,4-Trimethylbenzene	ND		0.125	0.0624	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
1,3,5-Trimethylbenzene	ND		0.125	0.0474	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Vinyl chloride	ND		0.125	0.0686	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1
Xylenes, Total	ND		0.312	0.0424	mg/Kg	☼	04/30/13 13:29	05/01/13 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:54*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:54*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*04/30/13 13:29*	*05/01/13 18:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88**		0.10	0.10	%			04/30/13 15:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-31 (7-8)

Date Collected: 04/29/13 13:53
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-9

Matrix: Soil
Percent Solids: 90.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.32	1.85	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Benzene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Bromobenzene	ND		0.0926	0.0333	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Bromochloromethane	ND		0.0926	0.0259	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Bromoform	ND		0.0926	0.0259	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Bromomethane	ND		0.0926	0.0556	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
2-Butanone (MEK)	ND		2.32	0.241	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Carbon disulfide	ND		0.232	0.167	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Carbon tetrachloride	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Chlorobenzene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Chlorodibromomethane	ND		0.0926	0.0157	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Chloroethane	ND		0.232	0.0880	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Chloroform	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Chloromethane	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
2-Chlorotoluene	ND		0.0926	0.0426	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
4-Chlorotoluene	ND		0.0926	0.0389	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
cis-1,2-Dichloroethene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
cis-1,3-Dichloropropene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,2-Dibromo-3-Chloropropane	ND		0.232	0.0324	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,2-Dibromoethane (EDB)	ND		0.0926	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Dibromomethane	ND		0.0926	0.0259	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,3-Dichlorobenzene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,2-Dichlorobenzene	ND		0.0926	0.0157	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,4-Dichlorobenzene	ND		0.0926	0.0435	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Dichlorobromomethane	ND		0.0926	0.0259	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Dichlorodifluoromethane	ND		0.0926	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,1-Dichloroethane	ND		0.0926	0.0310	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,2-Dichloroethane	**0.0629**	**J**	0.0926	0.0310	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,1-Dichloroethene	ND		0.0926	0.0269	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,2-Dichloropropane	ND		0.0926	0.0435	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
2,2-Dichloropropane	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,3-Dichloropropane	ND		0.0926	0.0435	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,1-Dichloropropene	ND		0.0926	0.0241	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Diethyl ether	ND		0.463	0.157	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Diisopropyl ether	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Ethylbenzene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Ethyl tert-butyl ether	ND		0.232	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Hexachlorobutadiene	ND		0.232	0.0509	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
2-Hexanone	ND		2.32	0.778	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Isopropylbenzene	ND		0.0926	0.0195	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Methylene Chloride	ND		0.463	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
4-Methyl-2-pentanone (MIBK)	ND		2.32	0.787	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Methyl tert-butyl ether	ND		0.0926	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
m-Xylene & p-Xylene	ND		0.139	0.0259	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Naphthalene	ND		0.232	0.0787	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
n-Butylbenzene	ND		0.0926	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
N-Propylbenzene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
o-Xylene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
p-Isopropyltoluene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1

Client Sample ID: HP-31 (7-8)

Date Collected: 04/29/13 13:53
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-9

Matrix: Soil
Percent Solids: 90.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Styrene	ND		0.0926	0.0509	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Tert-amyl methyl ether	ND		0.0926	0.0148	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
tert-Butyl alcohol (TBA)	ND		2.32	0.519	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
tert-Butylbenzene	ND		0.0926	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,1,1,2-Tetrachloroethane	ND		0.0926	0.0310	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,1,2,2-Tetrachloroethane	ND		0.0926	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Tetrachloroethene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Tetrahydrofuran	ND		0.926	0.435	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Toluene	ND		0.0926	0.0343	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
trans-1,2-Dichloroethene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
trans-1,3-Dichloropropene	ND		0.0926	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,3,5-Trichlorobenzene	ND		0.0926	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,2,4-Trichlorobenzene	ND		0.0926	0.0310	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,2,3-Trichlorobenzene	ND		0.0926	0.0176	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,1,1-Trichloroethane	ND		0.0926	0.0426	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,1,2-Trichloroethane	ND		0.232	0.0648	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Trichloroethene	ND		0.0926	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Trichlorofluoromethane	ND		0.0926	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,2,3-Trichloropropane	ND		0.0926	0.0259	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,2,4-Trimethylbenzene	ND		0.0926	0.0463	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
1,3,5-Trimethylbenzene	ND		0.0926	0.0352	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Vinyl chloride	ND		0.0926	0.0509	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1
Xylenes, Total	ND		0.232	0.0315	mg/Kg	☼	04/30/13 13:29	05/01/13 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/30/13 13:29*	*05/01/13 19:20*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*04/30/13 13:29*	*05/01/13 19:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*04/30/13 13:29*	*05/01/13 19:20*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*04/30/13 13:29*	*05/01/13 19:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91**		0.10	0.10	%			04/30/13 15:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-29 (7-8)

Date Collected: 04/29/13 14:17
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-10

Matrix: Soil
Percent Solids: 89.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.68	2.14	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Benzene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Bromobenzene	ND		0.107	0.0386	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Bromochloromethane	ND		0.107	0.0300	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Bromoform	ND		0.107	0.0300	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Bromomethane	ND		0.107	0.0643	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
2-Butanone (MEK)	ND		2.68	0.279	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Carbon disulfide	ND		0.268	0.193	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Carbon tetrachloride	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Chlorobenzene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Chlorodibromomethane	ND		0.107	0.0182	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Chloroethane	ND		0.268	0.102	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Chloroform	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Chloromethane	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
2-Chlorotoluene	ND		0.107	0.0493	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
4-Chlorotoluene	ND		0.107	0.0450	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
cis-1,2-Dichloroethene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
cis-1,3-Dichloropropene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,2-Dibromo-3-Chloropropane	ND		0.268	0.0375	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,2-Dibromoethane (EDB)	ND		0.107	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Dibromomethane	ND		0.107	0.0300	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,3-Dichlorobenzene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,2-Dichlorobenzene	ND		0.107	0.0182	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,4-Dichlorobenzene	ND		0.107	0.0504	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Dichlorobromomethane	ND		0.107	0.0300	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Dichlorodifluoromethane	ND		0.107	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,1-Dichloroethane	ND		0.107	0.0359	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,2-Dichloroethane	**0.0694**	**J**	0.107	0.0359	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,1-Dichloroethene	ND		0.107	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,2-Dichloropropane	ND		0.107	0.0504	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
2,2-Dichloropropane	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,3-Dichloropropane	ND		0.107	0.0504	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,1-Dichloropropene	ND		0.107	0.0279	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Diethyl ether	ND		0.536	0.182	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Diisopropyl ether	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Ethylbenzene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Ethyl tert-butyl ether	ND		0.268	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Hexachlorobutadiene	ND		0.268	0.0589	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
2-Hexanone	ND		2.68	0.900	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Isopropylbenzene	ND		0.107	0.0225	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Methylene Chloride	ND		0.536	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
4-Methyl-2-pentanone (MIBK)	ND		2.68	0.911	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Methyl tert-butyl ether	ND		0.107	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
m-Xylene & p-Xylene	ND		0.161	0.0300	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Naphthalene	ND		0.268	0.0911	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
n-Butylbenzene	ND		0.107	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
N-Propylbenzene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
o-Xylene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
p-Isopropyltoluene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-29 (7-8)
Date Collected: 04/29/13 14:17
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-10
Matrix: Soil
Percent Solids: 89.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Styrene	ND		0.107	0.0589	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Tert-amyl methyl ether	ND		0.107	0.0171	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
tert-Butyl alcohol (TBA)	ND		2.68	0.600	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
tert-Butylbenzene	ND		0.107	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,1,1,2-Tetrachloroethane	ND		0.107	0.0359	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,1,2,2-Tetrachloroethane	ND		0.107	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Tetrachloroethene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Tetrahydrofuran	ND		1.07	0.504	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Toluene	ND		0.107	0.0396	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
trans-1,2-Dichloroethene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
trans-1,3-Dichloropropene	ND		0.107	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,3,5-Trichlorobenzene	ND		0.107	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,2,4-Trichlorobenzene	ND		0.107	0.0359	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,2,3-Trichlorobenzene	ND		0.107	0.0204	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,1,1-Trichloroethane	ND		0.107	0.0493	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,1,2-Trichloroethane	ND		0.268	0.0750	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Trichloroethene	ND		0.107	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Trichlorofluoromethane	ND		0.107	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,2,3-Trichloropropane	ND		0.107	0.0300	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,2,4-Trimethylbenzene	ND		0.107	0.0536	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
1,3,5-Trimethylbenzene	ND		0.107	0.0407	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Vinyl chloride	ND		0.107	0.0589	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1
Xylenes, Total	ND		0.268	0.0364	mg/Kg	☼	04/30/13 13:29	05/01/13 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/30/13 13:29*	*05/01/13 19:46*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*04/30/13 13:29*	*05/01/13 19:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*04/30/13 13:29*	*05/01/13 19:46*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*04/30/13 13:29*	*05/01/13 19:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89**		0.10	0.10	%			04/30/13 15:24	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-28 (6-7)

Date Collected: 04/29/13 15:06
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-11

Matrix: Soil
Percent Solids: 90.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.29	1.83	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Benzene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Bromobenzene	ND		0.0915	0.0329	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Bromochloromethane	ND		0.0915	0.0256	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Bromoform	ND		0.0915	0.0256	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Bromomethane	ND		0.0915	0.0549	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
2-Butanone (MEK)	ND		2.29	0.238	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Carbon disulfide	ND		0.229	0.165	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Carbon tetrachloride	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Chlorobenzene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Chlorodibromomethane	ND		0.0915	0.0155	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Chloroethane	ND		0.229	0.0869	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Chloroform	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Chloromethane	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
2-Chlorotoluene	ND		0.0915	0.0421	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
4-Chlorotoluene	ND		0.0915	0.0384	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
cis-1,2-Dichloroethene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
cis-1,3-Dichloropropene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,2-Dibromo-3-Chloropropane	ND		0.229	0.0320	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,2-Dibromoethane (EDB)	ND		0.0915	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Dibromomethane	ND		0.0915	0.0256	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,3-Dichlorobenzene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,2-Dichlorobenzene	ND		0.0915	0.0155	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,4-Dichlorobenzene	ND		0.0915	0.0430	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Dichlorobromomethane	ND		0.0915	0.0256	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Dichlorodifluoromethane	ND		0.0915	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,1-Dichloroethane	ND		0.0915	0.0306	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,2-Dichloroethane	**0.0608**	**J**	0.0915	0.0306	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,1-Dichloroethene	ND		0.0915	0.0265	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,2-Dichloropropane	ND		0.0915	0.0430	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
2,2-Dichloropropane	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,3-Dichloropropane	ND		0.0915	0.0430	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,1-Dichloropropene	ND		0.0915	0.0238	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Diethyl ether	ND		0.457	0.155	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Diisopropyl ether	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Ethylbenzene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Ethyl tert-butyl ether	ND		0.229	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Hexachlorobutadiene	ND		0.229	0.0503	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
2-Hexanone	ND		2.29	0.768	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Isopropylbenzene	ND		0.0915	0.0192	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Methylene Chloride	ND		0.457	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
4-Methyl-2-pentanone (MIBK)	ND		2.29	0.777	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Methyl tert-butyl ether	ND		0.0915	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
m-Xylene & p-Xylene	ND		0.137	0.0256	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Naphthalene	ND		0.229	0.0777	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
n-Butylbenzene	ND		0.0915	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
N-Propylbenzene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
o-Xylene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
p-Isopropyltoluene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-28 (6-7)

Date Collected: 04/29/13 15:06
Date Received: 04/30/13 08:30

Lab Sample ID: 490-25431-11

Matrix: Soil
Percent Solids: 90.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Styrene	ND		0.0915	0.0503	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Tert-amyl methyl ether	ND		0.0915	0.0146	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
tert-Butyl alcohol (TBA)	ND		2.29	0.512	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
tert-Butylbenzene	ND		0.0915	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,1,1,2-Tetrachloroethane	ND		0.0915	0.0306	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,1,2,2-Tetrachloroethane	ND		0.0915	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Tetrachloroethene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Tetrahydrofuran	ND		0.915	0.430	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Toluene	ND		0.0915	0.0338	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
trans-1,2-Dichloroethene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
trans-1,3-Dichloropropene	ND		0.0915	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,3,5-Trichlorobenzene	ND		0.0915	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,2,4-Trichlorobenzene	ND		0.0915	0.0306	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,2,3-Trichlorobenzene	ND		0.0915	0.0174	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,1,1-Trichloroethane	ND		0.0915	0.0421	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,1,2-Trichloroethane	ND		0.229	0.0640	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Trichloroethene	ND		0.0915	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Trichlorofluoromethane	ND		0.0915	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,2,3-Trichloropropane	ND		0.0915	0.0256	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,2,4-Trimethylbenzene	ND		0.0915	0.0457	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
1,3,5-Trimethylbenzene	ND		0.0915	0.0348	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Vinyl chloride	ND		0.0915	0.0503	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1
Xylenes, Total	ND		0.229	0.0311	mg/Kg	☼	04/30/13 13:29	05/01/13 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/30/13 13:29*	*05/01/13 20:12*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*04/30/13 13:29*	*05/01/13 20:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*04/30/13 13:29*	*05/01/13 20:12*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*04/30/13 13:29*	*05/01/13 20:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91**		0.10	0.10	%			04/30/13 15:24	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 490-25213-B-13-A MS
Matrix: Solid
Analysis Batch: 76322

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 75425

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		15.1	22.26		mg/Kg	☼	148	19 - 175
Benzene	ND		3.01	3.269		mg/Kg	☼	108	31 - 143
Bromobenzene	ND		3.01	3.322		mg/Kg	☼	110	12 - 157
Bromochloromethane	ND		3.01	3.138		mg/Kg	☼	104	31 - 141
Bromoform	ND		3.01	2.585		mg/Kg	☼	86	10 - 165
Bromomethane	ND		3.01	0.8863		mg/Kg	☼	29	10 - 164
2-Butanone (MEK)	ND		15.1	17.49		mg/Kg	☼	116	18 - 153
Carbon disulfide	ND		3.01	2.985		mg/Kg	☼	99	32 - 144
Carbon tetrachloride	ND		3.01	3.121		mg/Kg	☼	104	31 - 149
Chlorobenzene	ND		3.01	3.299		mg/Kg	☼	110	25 - 152
Chlorodibromomethane	ND		3.01	2.816		mg/Kg	☼	93	14 - 146
Chloroethane	ND		3.01	1.150		mg/Kg	☼	38	10 - 151
Chloroform	ND		3.01	3.304		mg/Kg	☼	110	34 - 160
Chloromethane	ND		3.01	2.701		mg/Kg	☼	90	10 - 156
2-Chlorotoluene	ND		3.01	3.438		mg/Kg	☼	114	20 - 156
4-Chlorotoluene	ND		3.01	3.584		mg/Kg	☼	119	17 - 159
cis-1,2-Dichloroethene	ND		3.01	3.066		mg/Kg	☼	102	36 - 139
cis-1,3-Dichloropropene	ND		3.01	3.035		mg/Kg	☼	101	15 - 166
1,2-Dibromo-3-Chloropropane	ND		3.01	2.491		mg/Kg	☼	83	10 - 147
1,2-Dibromoethane (EDB)	ND		3.01	3.097		mg/Kg	☼	103	18 - 156
Dibromomethane	ND		3.01	2.845		mg/Kg	☼	94	20 - 146
1,3-Dichlorobenzene	ND		3.01	3.455		mg/Kg	☼	115	10 - 162
1,2-Dichlorobenzene	ND		3.01	3.401		mg/Kg	☼	113	10 - 160
1,4-Dichlorobenzene	ND		3.01	3.440		mg/Kg	☼	114	11 - 159
Dichlorobromomethane	ND		3.01	3.012		mg/Kg	☼	100	19 - 148
Dichlorodifluoromethane	ND		3.01	2.743		mg/Kg	☼	91	10 - 143
1,1-Dichloroethane	ND		3.01	3.259		mg/Kg	☼	108	42 - 136
1,2-Dichloroethane	ND		3.01	2.947		mg/Kg	☼	98	28 - 138
1,1-Dichloroethene	ND		3.01	3.805		mg/Kg	☼	126	41 - 143
1,2-Dichloropropane	ND		3.01	2.866		mg/Kg	☼	95	20 - 146
2,2-Dichloropropane	ND		3.01	3.094		mg/Kg	☼	103	33 - 148
1,3-Dichloropropane	ND		3.01	3.045		mg/Kg	☼	101	22 - 148
1,1-Dichloropropene	ND		3.01	3.267		mg/Kg	☼	108	38 - 145
Diethyl ether	ND		3.01	3.135		mg/Kg	☼	104	31 - 144
Diisopropyl ether	ND		3.01	2.892		mg/Kg	☼	96	35 - 135
Ethylbenzene	ND		3.01	3.425		mg/Kg	☼	114	23 - 161
Ethyl tert-butyl ether	ND		3.01	2.887		mg/Kg	☼	96	44 - 143
Hexachlorobutadiene	ND		3.01	3.251		mg/Kg	☼	108	10 - 171
2-Hexanone	ND		15.1	16.07		mg/Kg	☼	107	10 - 169
Isopropylbenzene	ND		3.01	3.621		mg/Kg	☼	120	23 - 181
Methylene Chloride	ND		3.01	3.661		mg/Kg	☼	122	24 - 182
4-Methyl-2-pentanone (MIBK)	ND		15.1	14.58		mg/Kg	☼	97	10 - 168
Methyl tert-butyl ether	ND		3.01	3.014		mg/Kg	☼	100	28 - 141
m-Xylene & p-Xylene	ND		6.03	7.083		mg/Kg	☼	118	27 - 162
Naphthalene	ND		3.01	3.217		mg/Kg	☼	107	10 - 176
n-Butylbenzene	ND		3.01	3.923		mg/Kg	☼	130	10 - 175
N-Propylbenzene	ND		3.01	3.590		mg/Kg	☼	119	19 - 162
o-Xylene	ND		3.01	3.523		mg/Kg	☼	117	18 - 166

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-25213-B-13-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 76322 — **Prep Batch: 75425**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	ND		3.01	3.611		mg/Kg	☼	120	12 - 168
sec-Butylbenzene	ND		3.01	3.722		mg/Kg	☼	124	12 - 170
Styrene	ND		3.01	3.546		mg/Kg	☼	118	10 - 165
Tert-amyl methyl ether	ND		3.01	3.046		mg/Kg	☼	101	38 - 151
tert-Butyl alcohol (TBA)	ND		30.1	40.04		mg/Kg	☼	133	10 - 183
tert-Butylbenzene	ND		3.01	3.523		mg/Kg	☼	117	20 - 164
1,1,1,2-Tetrachloroethane	ND		3.01	2.955		mg/Kg	☼	98	19 - 158
1,1,2,2-Tetrachloroethane	ND		3.01	2.521		mg/Kg	☼	84	10 - 162
Tetrachloroethene	ND		3.01	3.350		mg/Kg	☼	111	33 - 161
Tetrahydrofuran	ND		30.1	28.45		mg/Kg	☼	94	23 - 149
Toluene	ND		3.01	3.330		mg/Kg	☼	111	30 - 155
trans-1,2-Dichloroethene	ND		3.01	3.520		mg/Kg	☼	117	39 - 140
trans-1,3-Dichloropropene	ND		3.01	2.865		mg/Kg	☼	95	10 - 157
1,3,5-Trichlorobenzene	ND		3.01	2.576		mg/Kg	☼	85	70 - 130
1,2,4-Trichlorobenzene	ND		3.01	3.344		mg/Kg	☼	111	10 - 167
1,2,3-Trichlorobenzene	ND		3.01	3.127		mg/Kg	☼	104	10 - 157
1,1,1-Trichloroethane	ND		3.01	3.246		mg/Kg	☼	108	35 - 149
1,1,2-Trichloroethane	ND		3.01	2.974		mg/Kg	☼	99	19 - 157
Trichloroethene	ND		3.01	3.769		mg/Kg	☼	125	27 - 153
Trichlorofluoromethane	ND		3.01	3.054		mg/Kg	☼	101	25 - 140
1,2,3-Trichloropropane	ND		3.01	3.217		mg/Kg	☼	107	10 - 157
1,2,4-Trimethylbenzene	ND		3.01	3.574		mg/Kg	☼	119	14 - 165
1,3,5-Trimethylbenzene	ND		3.01	3.694		mg/Kg	☼	123	18 - 164
Vinyl chloride	ND		3.01	3.146		mg/Kg	☼	104	20 - 141
Xylenes, Total	ND		9.04	10.61		mg/Kg	☼	117	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*94*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 490-25213-B-13-A MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 76322 — **Prep Batch: 75425**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		15.1	23.01		mg/Kg	☼	153	19 - 175	3	50
Benzene	ND		3.01	3.317		mg/Kg	☼	110	31 - 143	1	50
Bromobenzene	ND		3.01	3.313		mg/Kg	☼	110	12 - 157	0	50
Bromochloromethane	ND		3.01	3.218		mg/Kg	☼	107	31 - 141	3	50
Bromoform	ND		3.01	2.756		mg/Kg	☼	91	10 - 165	6	50
Bromomethane	ND		3.01	1.061		mg/Kg	☼	35	10 - 164	18	50
2-Butanone (MEK)	ND		15.1	17.79		mg/Kg	☼	118	18 - 153	2	50
Carbon disulfide	ND		3.01	3.037		mg/Kg	☼	101	32 - 144	2	50
Carbon tetrachloride	ND		3.01	3.209		mg/Kg	☼	107	31 - 149	3	50
Chlorobenzene	ND		3.01	3.349		mg/Kg	☼	111	25 - 152	2	50
Chlorodibromomethane	ND		3.01	2.900		mg/Kg	☼	96	14 - 146	3	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-25213-B-13-A MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 76322 — **Prep Batch: 75425**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	ND		3.01	1.201		mg/Kg	☼	40	10 - 151	4	50
Chloroform	ND		3.01	3.434		mg/Kg	☼	114	34 - 160	4	49
Chloromethane	ND		3.01	2.728		mg/Kg	☼	91	10 - 156	1	50
2-Chlorotoluene	ND		3.01	3.489		mg/Kg	☼	116	20 - 156	1	50
4-Chlorotoluene	ND		3.01	3.633		mg/Kg	☼	121	17 - 159	1	50
cis-1,2-Dichloroethene	ND		3.01	3.167		mg/Kg	☼	105	36 - 139	3	50
cis-1,3-Dichloropropene	ND		3.01	3.093		mg/Kg	☼	103	15 - 166	2	50
1,2-Dibromo-3-Chloropropane	ND		3.01	2.604		mg/Kg	☼	86	10 - 147	4	50
1,2-Dibromoethane (EDB)	ND		3.01	3.166		mg/Kg	☼	105	18 - 156	2	50
Dibromomethane	ND		3.01	2.895		mg/Kg	☼	96	20 - 146	2	50
1,3-Dichlorobenzene	ND		3.01	3.506		mg/Kg	☼	116	10 - 162	1	50
1,2-Dichlorobenzene	ND		3.01	3.483		mg/Kg	☼	116	10 - 160	2	50
1,4-Dichlorobenzene	ND		3.01	3.489		mg/Kg	☼	116	11 - 159	1	50
Dichlorobromomethane	ND		3.01	3.110		mg/Kg	☼	103	19 - 148	3	50
Dichlorodifluoromethane	ND		3.01	2.731		mg/Kg	☼	91	10 - 143	0	50
1,1-Dichloroethane	ND		3.01	3.309		mg/Kg	☼	110	42 - 136	2	50
1,2-Dichloroethane	ND		3.01	3.006		mg/Kg	☼	100	28 - 138	2	50
1,1-Dichloroethene	ND		3.01	3.920		mg/Kg	☼	130	41 - 143	3	50
1,2-Dichloropropane	ND		3.01	2.920		mg/Kg	☼	97	20 - 146	2	50
2,2-Dichloropropane	ND		3.01	3.168		mg/Kg	☼	105	33 - 148	2	50
1,3-Dichloropropane	ND		3.01	3.139		mg/Kg	☼	104	22 - 148	3	42
1,1-Dichloropropene	ND		3.01	3.267		mg/Kg	☼	108	38 - 145	0	50
Diethyl ether	ND		3.01	3.175		mg/Kg	☼	105	31 - 144	1	50
Diisopropyl ether	ND		3.01	2.939		mg/Kg	☼	98	35 - 135	2	45
Ethylbenzene	ND		3.01	3.522		mg/Kg	☼	117	23 - 161	3	50
Ethyl tert-butyl ether	ND		3.01	2.906		mg/Kg	☼	96	44 - 143	1	49
Hexachlorobutadiene	ND		3.01	3.354		mg/Kg	☼	111	10 - 171	3	50
2-Hexanone	ND		15.1	16.23		mg/Kg	☼	108	10 - 169	1	50
Isopropylbenzene	ND		3.01	3.664		mg/Kg	☼	122	23 - 181	1	50
Methylene Chloride	ND		3.01	3.725		mg/Kg	☼	124	24 - 182	2	50
4-Methyl-2-pentanone (MIBK)	ND		15.1	14.85		mg/Kg	☼	99	10 - 168	2	50
Methyl tert-butyl ether	ND		3.01	3.083		mg/Kg	☼	102	28 - 141	2	50
m-Xylene & p-Xylene	ND		6.03	7.282		mg/Kg	☼	121	27 - 162	3	50
Naphthalene	ND		3.01	3.202		mg/Kg	☼	106	10 - 176	0	50
n-Butylbenzene	ND		3.01	3.969		mg/Kg	☼	132	10 - 175	1	50
N-Propylbenzene	ND		3.01	3.653		mg/Kg	☼	121	19 - 162	2	50
o-Xylene	ND		3.01	3.561		mg/Kg	☼	118	18 - 166	1	50
p-Isopropyltoluene	ND		3.01	3.645		mg/Kg	☼	121	12 - 168	1	50
sec-Butylbenzene	ND		3.01	3.773		mg/Kg	☼	125	12 - 170	1	50
Styrene	ND		3.01	3.627		mg/Kg	☼	120	10 - 165	2	50
Tert-amyl methyl ether	ND		3.01	3.101		mg/Kg	☼	103	38 - 151	2	50
tert-Butyl alcohol (TBA)	ND		30.1	43.03		mg/Kg	☼	143	10 - 183	7	50
tert-Butylbenzene	ND		3.01	3.573		mg/Kg	☼	119	20 - 164	1	50
1,1,1,2-Tetrachloroethane	ND		3.01	3.108		mg/Kg	☼	103	19 - 158	5	50
1,1,2,2-Tetrachloroethane	ND		3.01	1.790		mg/Kg	☼	59	10 - 162	34	50
Tetrachloroethene	ND		3.01	3.444		mg/Kg	☼	114	33 - 161	3	50
Tetrahydrofuran	ND		30.1	28.58		mg/Kg	☼	95	23 - 149	0	50
Toluene	ND		3.01	3.372		mg/Kg	☼	112	30 - 155	1	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-25213-B-13-A MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 76322 — **Prep Batch: 75425**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,2-Dichloroethene	ND		3.01	3.592		mg/Kg	☼	119	39 - 140	2	50
trans-1,3-Dichloropropene	ND		3.01	2.903		mg/Kg	☼	96	10 - 157	1	50
1,3,5-Trichlorobenzene	ND		3.01	2.638		mg/Kg	☼	88	70 - 130	2	50
1,2,4-Trichlorobenzene	ND		3.01	3.355		mg/Kg	☼	111	10 - 167	0	50
1,2,3-Trichlorobenzene	ND		3.01	3.102		mg/Kg	☼	103	10 - 157	1	50
1,1,1-Trichloroethane	ND		3.01	3.321		mg/Kg	☼	110	35 - 149	2	50
1,1,2-Trichloroethane	ND		3.01	3.077		mg/Kg	☼	102	19 - 157	3	50
Trichloroethene	ND		3.01	4.451		mg/Kg	☼	148	27 - 153	17	50
Trichlorofluoromethane	ND		3.01	3.121		mg/Kg	☼	104	25 - 140	2	50
1,2,3-Trichloropropane	ND		3.01	3.270		mg/Kg	☼	109	10 - 157	2	50
1,2,4-Trimethylbenzene	ND		3.01	3.610		mg/Kg	☼	120	14 - 165	1	50
1,3,5-Trimethylbenzene	ND		3.01	3.758		mg/Kg	☼	125	18 - 164	2	50
Vinyl chloride	ND		3.01	3.164		mg/Kg	☼	105	20 - 141	1	50
Xylenes, Total	ND		9.04	10.84		mg/Kg	☼	120	25 - 162	2	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 490-76322/8 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 76322

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	2.00	mg/Kg			05/01/13 15:14	1
Benzene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
Bromobenzene	ND		0.100	0.0360	mg/Kg			05/01/13 15:14	1
Bromochloromethane	ND		0.100	0.0280	mg/Kg			05/01/13 15:14	1
Bromoform	ND		0.100	0.0280	mg/Kg			05/01/13 15:14	1
Bromomethane	ND		0.100	0.0600	mg/Kg			05/01/13 15:14	1
2-Butanone (MEK)	ND		2.50	0.260	mg/Kg			05/01/13 15:14	1
Carbon disulfide	ND		0.250	0.180	mg/Kg			05/01/13 15:14	1
Carbon tetrachloride	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
Chlorobenzene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
Chlorodibromomethane	ND		0.100	0.0170	mg/Kg			05/01/13 15:14	1
Chloroethane	ND		0.250	0.0950	mg/Kg			05/01/13 15:14	1
Chloroform	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
Chloromethane	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
2-Chlorotoluene	ND		0.100	0.0460	mg/Kg			05/01/13 15:14	1
4-Chlorotoluene	ND		0.100	0.0420	mg/Kg			05/01/13 15:14	1
cis-1,2-Dichloroethene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
cis-1,3-Dichloropropene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
1,2-Dibromo-3-Chloropropane	ND		0.250	0.0350	mg/Kg			05/01/13 15:14	1
1,2-Dibromoethane (EDB)	ND		0.100	0.0500	mg/Kg			05/01/13 15:14	1
Dibromomethane	ND		0.100	0.0280	mg/Kg			05/01/13 15:14	1
1,3-Dichlorobenzene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-76322/8
Matrix: Solid
Analysis Batch: 76322

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.100	0.0170	mg/Kg			05/01/13 15:14	1
1,4-Dichlorobenzene	ND		0.100	0.0470	mg/Kg			05/01/13 15:14	1
Dichlorobromomethane	ND		0.100	0.0280	mg/Kg			05/01/13 15:14	1
Dichlorodifluoromethane	ND		0.100	0.0500	mg/Kg			05/01/13 15:14	1
1,1-Dichloroethane	ND		0.100	0.0335	mg/Kg			05/01/13 15:14	1
1,2-Dichloroethane	ND		0.100	0.0335	mg/Kg			05/01/13 15:14	1
1,1-Dichloroethene	ND		0.100	0.0290	mg/Kg			05/01/13 15:14	1
1,2-Dichloropropane	ND		0.100	0.0470	mg/Kg			05/01/13 15:14	1
2,2-Dichloropropane	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
1,3-Dichloropropane	ND		0.100	0.0470	mg/Kg			05/01/13 15:14	1
1,1-Dichloropropene	ND		0.100	0.0260	mg/Kg			05/01/13 15:14	1
Diethyl ether	ND		0.500	0.170	mg/Kg			05/01/13 15:14	1
Diisopropyl ether	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
Ethylbenzene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
Ethyl tert-butyl ether	ND		0.250	0.0500	mg/Kg			05/01/13 15:14	1
Hexachlorobutadiene	ND		0.250	0.0550	mg/Kg			05/01/13 15:14	1
2-Hexanone	ND		2.50	0.840	mg/Kg			05/01/13 15:14	1
Isopropylbenzene	ND		0.100	0.0210	mg/Kg			05/01/13 15:14	1
Methylene Chloride	ND		0.500	0.0500	mg/Kg			05/01/13 15:14	1
4-Methyl-2-pentanone (MIBK)	ND		2.50	0.850	mg/Kg			05/01/13 15:14	1
Methyl tert-butyl ether	ND		0.100	0.0500	mg/Kg			05/01/13 15:14	1
m-Xylene & p-Xylene	ND		0.150	0.0280	mg/Kg			05/01/13 15:14	1
Naphthalene	ND		0.250	0.0850	mg/Kg			05/01/13 15:14	1
n-Butylbenzene	ND		0.100	0.0500	mg/Kg			05/01/13 15:14	1
N-Propylbenzene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
o-Xylene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
p-Isopropyltoluene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
sec-Butylbenzene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
Styrene	ND		0.100	0.0550	mg/Kg			05/01/13 15:14	1
Tert-amyl methyl ether	ND		0.100	0.0160	mg/Kg			05/01/13 15:14	1
tert-Butyl alcohol (TBA)	ND		2.50	0.560	mg/Kg			05/01/13 15:14	1
tert-Butylbenzene	ND		0.100	0.0500	mg/Kg			05/01/13 15:14	1
1,1,1,2-Tetrachloroethane	ND		0.100	0.0335	mg/Kg			05/01/13 15:14	1
1,1,2,2-Tetrachloroethane	ND		0.100	0.0500	mg/Kg			05/01/13 15:14	1
Tetrachloroethene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
Tetrahydrofuran	ND		1.00	0.470	mg/Kg			05/01/13 15:14	1
Toluene	ND		0.100	0.0370	mg/Kg			05/01/13 15:14	1
trans-1,2-Dichloroethene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
trans-1,3-Dichloropropene	ND		0.100	0.0340	mg/Kg			05/01/13 15:14	1
1,3,5-Trichlorobenzene	ND		0.100	0.0500	mg/Kg			05/01/13 15:14	1
1,2,4-Trichlorobenzene	ND		0.100	0.0335	mg/Kg			05/01/13 15:14	1
1,2,3-Trichlorobenzene	ND		0.100	0.0190	mg/Kg			05/01/13 15:14	1
1,1,1-Trichloroethane	ND		0.100	0.0460	mg/Kg			05/01/13 15:14	1
1,1,2-Trichloroethane	ND		0.250	0.0700	mg/Kg			05/01/13 15:14	1
Trichloroethene	ND		0.100	0.0500	mg/Kg			05/01/13 15:14	1
Trichlorofluoromethane	ND		0.100	0.0500	mg/Kg			05/01/13 15:14	1
1,2,3-Trichloropropane	ND		0.100	0.0280	mg/Kg			05/01/13 15:14	1
1,2,4-Trimethylbenzene	ND		0.100	0.0500	mg/Kg			05/01/13 15:14	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-76322/8
Matrix: Solid
Analysis Batch: 76322

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.100	0.0380	mg/Kg			05/01/13 15:14	1
Vinyl chloride	ND		0.100	0.0550	mg/Kg			05/01/13 15:14	1
Xylenes, Total	ND		0.250	0.0340	mg/Kg			05/01/13 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*05/01/13 15:14*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*05/01/13 15:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*05/01/13 15:14*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/01/13 15:14*	*1*

Lab Sample ID: LCS 490-76322/3
Matrix: Solid
Analysis Batch: 76322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2888		mg/Kg		116	51 - 149
Benzene	0.0500	0.05303		mg/Kg		106	75 - 127
Bromobenzene	0.0500	0.05324		mg/Kg		106	75 - 130
Bromochloromethane	0.0500	0.05409		mg/Kg		108	70 - 132
Bromoform	0.0500	0.05138		mg/Kg		103	36 - 150
Bromomethane	0.0500	0.05054		mg/Kg		101	43 - 142
2-Butanone (MEK)	0.250	0.2987		mg/Kg		119	61 - 132
Carbon disulfide	0.0500	0.04825		mg/Kg		96	74 - 135
Carbon tetrachloride	0.0500	0.05109		mg/Kg		102	70 - 141
Chlorobenzene	0.0500	0.05467		mg/Kg		109	84 - 125
Chlorodibromomethane	0.0500	0.05552		mg/Kg		111	66 - 134
Chloroethane	0.0500	0.04934		mg/Kg		99	53 - 144
Chloroform	0.0500	0.05456		mg/Kg		109	76 - 130
Chloromethane	0.0500	0.04063		mg/Kg		81	23 - 150
2-Chlorotoluene	0.0500	0.05404		mg/Kg		108	78 - 132
4-Chlorotoluene	0.0500	0.05674		mg/Kg		113	77 - 138
cis-1,2-Dichloroethene	0.0500	0.05026		mg/Kg		101	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05600		mg/Kg		112	73 - 148
1,2-Dibromo-3-Chloropropane	0.0500	0.04811		mg/Kg		96	49 - 142
1,2-Dibromoethane (EDB)	0.0500	0.05781		mg/Kg		116	80 - 135
Dibromomethane	0.0500	0.05145		mg/Kg		103	71 - 130
1,3-Dichlorobenzene	0.0500	0.05594		mg/Kg		112	79 - 137
1,2-Dichlorobenzene	0.0500	0.05720		mg/Kg		114	80 - 134
1,4-Dichlorobenzene	0.0500	0.05667		mg/Kg		113	77 - 139
Dichlorobromomethane	0.0500	0.05314		mg/Kg		106	68 - 135
Dichlorodifluoromethane	0.0500	0.04137		mg/Kg		83	12 - 144
1,1-Dichloroethane	0.0500	0.05209		mg/Kg		104	75 - 124
1,2-Dichloroethane	0.0500	0.05183		mg/Kg		104	65 - 134
1,1-Dichloroethene	0.0500	0.05804		mg/Kg		116	75 - 131
1,2-Dichloropropane	0.0500	0.04862		mg/Kg		97	69 - 120
2,2-Dichloropropane	0.0500	0.05239		mg/Kg		105	68 - 145
1,3-Dichloropropane	0.0500	0.05766		mg/Kg		115	78 - 126
1,1-Dichloropropene	0.0500	0.05039		mg/Kg		101	79 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-76322/3
Matrix: Solid
Analysis Batch: 76322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diethyl ether	0.0500	0.05335		mg/Kg		107	64 - 134
Diisopropyl ether	0.0500	0.05023		mg/Kg		100	68 - 124
Ethylbenzene	0.0500	0.05442		mg/Kg		109	80 - 134
Ethyl tert-butyl ether	0.0500	0.05023		mg/Kg		100	66 - 135
Hexachlorobutadiene	0.0500	0.04715		mg/Kg		94	65 - 148
2-Hexanone	0.250	0.2893		mg/Kg		116	57 - 148
Isopropylbenzene	0.0500	0.05573		mg/Kg		111	80 - 150
Methylene Chloride	0.0500	0.05877		mg/Kg		118	68 - 144
4-Methyl-2-pentanone (MIBK)	0.250	0.2827		mg/Kg		113	59 - 138
Methyl tert-butyl ether	0.0500	0.05307		mg/Kg		106	70 - 136
m-Xylene & p-Xylene	0.100	0.1136		mg/Kg		114	80 - 137
Naphthalene	0.0500	0.05619		mg/Kg		112	69 - 150
n-Butylbenzene	0.0500	0.05991		mg/Kg		120	72 - 152
N-Propylbenzene	0.0500	0.05561		mg/Kg		111	75 - 137
o-Xylene	0.0500	0.05488		mg/Kg		110	80 - 141
p-Isopropyltoluene	0.0500	0.05600		mg/Kg		112	77 - 141
sec-Butylbenzene	0.0500	0.05710		mg/Kg		114	79 - 141
Styrene	0.0500	0.05847		mg/Kg		117	82 - 137
Tert-amyl methyl ether	0.0500	0.04999		mg/Kg		100	59 - 144
tert-Butyl alcohol (TBA)	0.500	0.6110		mg/Kg		122	43 - 150
tert-Butylbenzene	0.0500	0.05426		mg/Kg		109	80 - 132
1,1,1,2-Tetrachloroethane	0.0500	0.05317		mg/Kg		106	80 - 136
1,1,2,2-Tetrachloroethane	0.0500	0.05798		mg/Kg		116	66 - 134
Tetrachloroethene	0.0500	0.05713		mg/Kg		114	78 - 140
Tetrahydrofuran	0.500	0.5199		mg/Kg		104	53 - 134
Toluene	0.0500	0.05642		mg/Kg		113	80 - 132
trans-1,2-Dichloroethene	0.0500	0.05547		mg/Kg		111	76 - 128
trans-1,3-Dichloropropene	0.0500	0.05353		mg/Kg		107	62 - 139
1,3,5-Trichlorobenzene	0.0500	0.04022		mg/Kg		80	70 - 130
1,2,4-Trichlorobenzene	0.0500	0.05400		mg/Kg		108	62 - 150
1,2,3-Trichlorobenzene	0.0500	0.05285		mg/Kg		106	70 - 150
1,1,1-Trichloroethane	0.0500	0.05205		mg/Kg		104	72 - 140
1,1,2-Trichloroethane	0.0500	0.05767		mg/Kg		115	78 - 128
Trichloroethene	0.0500	0.05178		mg/Kg		104	77 - 127
Trichlorofluoromethane	0.0500	0.04634		mg/Kg		93	50 - 140
1,2,3-Trichloropropane	0.0500	0.05689		mg/Kg		114	65 - 139
1,2,4-Trimethylbenzene	0.0500	0.05614		mg/Kg		112	77 - 139
1,3,5-Trimethylbenzene	0.0500	0.05769		mg/Kg		115	78 - 138
Vinyl chloride	0.0500	0.04696		mg/Kg		94	47 - 136
Xylenes, Total	0.150	0.1685		mg/Kg		112	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-76322/4
Matrix: Solid
Analysis Batch: 76322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.250	0.2778		mg/Kg		111	51 - 149	4	50
Benzene	0.0500	0.05390		mg/Kg		108	75 - 127	2	50
Bromobenzene	0.0500	0.05565		mg/Kg		111	75 - 130	4	50
Bromochloromethane	0.0500	0.05453		mg/Kg		109	70 - 132	1	50
Bromoform	0.0500	0.05114		mg/Kg		102	36 - 150	0	50
Bromomethane	0.0500	0.05239		mg/Kg		105	43 - 142	4	50
2-Butanone (MEK)	0.250	0.2846		mg/Kg		114	61 - 132	5	50
Carbon disulfide	0.0500	0.04918		mg/Kg		98	74 - 135	2	50
Carbon tetrachloride	0.0500	0.05174		mg/Kg		103	70 - 141	1	50
Chlorobenzene	0.0500	0.05512		mg/Kg		110	84 - 125	1	50
Chlorodibromomethane	0.0500	0.05388		mg/Kg		108	66 - 134	3	50
Chloroethane	0.0500	0.05114		mg/Kg		102	53 - 144	4	50
Chloroform	0.0500	0.05524		mg/Kg		110	76 - 130	1	49
Chloromethane	0.0500	0.04120		mg/Kg		82	23 - 150	1	50
2-Chlorotoluene	0.0500	0.05581		mg/Kg		112	78 - 132	3	50
4-Chlorotoluene	0.0500	0.05903		mg/Kg		118	77 - 138	4	50
cis-1,2-Dichloroethene	0.0500	0.05101		mg/Kg		102	75 - 125	1	50
cis-1,3-Dichloropropene	0.0500	0.05439		mg/Kg		109	73 - 148	3	50
1,2-Dibromo-3-Chloropropane	0.0500	0.04906		mg/Kg		98	49 - 142	2	50
1,2-Dibromoethane (EDB)	0.0500	0.05656		mg/Kg		113	80 - 135	2	50
Dibromomethane	0.0500	0.05166		mg/Kg		103	71 - 130	0	50
1,3-Dichlorobenzene	0.0500	0.05729		mg/Kg		115	79 - 137	2	50
1,2-Dichlorobenzene	0.0500	0.05842		mg/Kg		117	80 - 134	2	50
1,4-Dichlorobenzene	0.0500	0.05838		mg/Kg		117	77 - 139	3	50
Dichlorobromomethane	0.0500	0.05356		mg/Kg		107	68 - 135	1	50
Dichlorodifluoromethane	0.0500	0.04125		mg/Kg		83	12 - 144	0	50
1,1-Dichloroethane	0.0500	0.05273		mg/Kg		105	75 - 124	1	50
1,2-Dichloroethane	0.0500	0.05188		mg/Kg		104	65 - 134	0	50
1,1-Dichloroethene	0.0500	0.05953		mg/Kg		119	75 - 131	3	50
1,2-Dichloropropane	0.0500	0.04875		mg/Kg		97	69 - 120	0	50
2,2-Dichloropropane	0.0500	0.05343		mg/Kg		107	68 - 145	2	50
1,3-Dichloropropane	0.0500	0.05648		mg/Kg		113	78 - 126	2	42
1,1-Dichloropropene	0.0500	0.05124		mg/Kg		102	79 - 127	2	50
Diethyl ether	0.0500	0.05339		mg/Kg		107	64 - 134	0	50
Diisopropyl ether	0.0500	0.05034		mg/Kg		101	68 - 124	0	45
Ethylbenzene	0.0500	0.05544		mg/Kg		111	80 - 134	2	50
Ethyl tert-butyl ether	0.0500	0.05002		mg/Kg		100	66 - 135	0	49
Hexachlorobutadiene	0.0500	0.04982		mg/Kg		100	65 - 148	6	50
2-Hexanone	0.250	0.2761		mg/Kg		110	57 - 148	5	50
Isopropylbenzene	0.0500	0.05577		mg/Kg		112	80 - 150	0	50
Methylene Chloride	0.0500	0.05903		mg/Kg		118	68 - 144	0	50
4-Methyl-2-pentanone (MIBK)	0.250	0.2749		mg/Kg		110	59 - 138	3	50
Methyl tert-butyl ether	0.0500	0.05372		mg/Kg		107	70 - 136	1	50
m-Xylene & p-Xylene	0.100	0.1152		mg/Kg		115	80 - 137	1	50
Naphthalene	0.0500	0.05755		mg/Kg		115	69 - 150	2	50
n-Butylbenzene	0.0500	0.06219		mg/Kg		124	72 - 152	4	50
N-Propylbenzene	0.0500	0.05767		mg/Kg		115	75 - 137	4	50
o-Xylene	0.0500	0.05727		mg/Kg		115	80 - 141	4	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-76322/4
Matrix: Solid
Analysis Batch: 76322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	0.0500	0.05727		mg/Kg		115	77 - 141	2	50
sec-Butylbenzene	0.0500	0.05862		mg/Kg		117	79 - 141	3	50
Styrene	0.0500	0.06027		mg/Kg		121	82 - 137	3	50
Tert-amyl methyl ether	0.0500	0.05024		mg/Kg		100	59 - 144	1	50
tert-Butyl alcohol (TBA)	0.500	0.6025		mg/Kg		121	43 - 150	1	50
tert-Butylbenzene	0.0500	0.05601		mg/Kg		112	80 - 132	3	50
1,1,1,2-Tetrachloroethane	0.0500	0.05349		mg/Kg		107	80 - 136	1	50
1,1,2,2-Tetrachloroethane	0.0500	0.05983		mg/Kg		120	66 - 134	3	50
Tetrachloroethene	0.0500	0.05582		mg/Kg		112	78 - 140	2	50
Tetrahydrofuran	0.500	0.5150		mg/Kg		103	53 - 134	1	50
Toluene	0.0500	0.05606		mg/Kg		112	80 - 132	1	50
trans-1,2-Dichloroethene	0.0500	0.05639		mg/Kg		113	76 - 128	2	50
trans-1,3-Dichloropropene	0.0500	0.05292		mg/Kg		106	62 - 139	1	50
1,3,5-Trichlorobenzene	0.0500	0.04139		mg/Kg		83	70 - 130	3	50
1,2,4-Trichlorobenzene	0.0500	0.05604		mg/Kg		112	62 - 150	4	50
1,2,3-Trichlorobenzene	0.0500	0.05673		mg/Kg		113	70 - 150	7	50
1,1,1-Trichloroethane	0.0500	0.05252		mg/Kg		105	72 - 140	1	50
1,1,2-Trichloroethane	0.0500	0.05589		mg/Kg		112	78 - 128	3	50
Trichloroethene	0.0500	0.05299		mg/Kg		106	77 - 127	2	50
Trichlorofluoromethane	0.0500	0.04665		mg/Kg		93	50 - 140	1	50
1,2,3-Trichloropropane	0.0500	0.05896		mg/Kg		118	65 - 139	4	50
1,2,4-Trimethylbenzene	0.0500	0.05751		mg/Kg		115	77 - 139	2	50
1,3,5-Trimethylbenzene	0.0500	0.05999		mg/Kg		120	78 - 138	4	50
Vinyl chloride	0.0500	0.04723		mg/Kg		94	47 - 136	1	50
Xylenes, Total	0.150	0.1725		mg/Kg		115	80 - 137	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 490-76730/8
Matrix: Solid
Analysis Batch: 76730

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	2.00	mg/Kg			05/02/13 23:32	1
Benzene	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1
Bromoform	ND		0.100	0.0280	mg/Kg			05/02/13 23:32	1
Bromomethane	ND		0.100	0.0600	mg/Kg			05/02/13 23:32	1
2-Butanone (MEK)	ND		2.50	0.260	mg/Kg			05/02/13 23:32	1
Carbon disulfide	ND		0.250	0.180	mg/Kg			05/02/13 23:32	1
Carbon tetrachloride	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1
Chlorobenzene	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1
Chlorodibromomethane	ND		0.100	0.0170	mg/Kg			05/02/13 23:32	1
Chloroethane	ND		0.250	0.0950	mg/Kg			05/02/13 23:32	1
Chloroform	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-76730/8
Matrix: Solid
Analysis Batch: 76730

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1
cis-1,2-Dichloroethene	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1
cis-1,3-Dichloropropene	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1
Dibromomethane	ND		0.100	0.0280	mg/Kg			05/02/13 23:32	1
Dichlorobromomethane	ND		0.100	0.0280	mg/Kg			05/02/13 23:32	1
1,1-Dichloroethane	ND		0.100	0.0335	mg/Kg			05/02/13 23:32	1
1,2-Dichloroethane	ND		0.100	0.0335	mg/Kg			05/02/13 23:32	1
1,1-Dichloroethene	ND		0.100	0.0290	mg/Kg			05/02/13 23:32	1
1,2-Dichloropropane	ND		0.100	0.0470	mg/Kg			05/02/13 23:32	1
1,1-Dichloropropene	ND		0.100	0.0260	mg/Kg			05/02/13 23:32	1
Ethylbenzene	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1
2-Hexanone	ND		2.50	0.840	mg/Kg			05/02/13 23:32	1
Methylene Chloride	ND		0.500	0.0500	mg/Kg			05/02/13 23:32	1
4-Methyl-2-pentanone (MIBK)	ND		2.50	0.850	mg/Kg			05/02/13 23:32	1
m-Xylene & p-Xylene	ND		0.150	0.0280	mg/Kg			05/02/13 23:32	1
o-Xylene	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1
Styrene	ND		0.100	0.0550	mg/Kg			05/02/13 23:32	1
1,1,1,2-Tetrachloroethane	ND		0.100	0.0335	mg/Kg			05/02/13 23:32	1
Tetrachloroethene	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1
Toluene	ND		0.100	0.0370	mg/Kg			05/02/13 23:32	1
trans-1,2-Dichloroethene	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1
trans-1,3-Dichloropropene	ND		0.100	0.0340	mg/Kg			05/02/13 23:32	1
1,3,5-Trichlorobenzene	ND		0.100	0.0500	mg/Kg			05/02/13 23:32	1
1,1,1-Trichloroethane	ND		0.100	0.0460	mg/Kg			05/02/13 23:32	1
1,1,2-Trichloroethane	ND		0.250	0.0700	mg/Kg			05/02/13 23:32	1
Trichloroethene	ND		0.100	0.0500	mg/Kg			05/02/13 23:32	1
Vinyl chloride	ND		0.100	0.0550	mg/Kg			05/02/13 23:32	1
Xylenes, Total	ND		0.250	0.0340	mg/Kg			05/02/13 23:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*05/02/13 23:32*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*05/02/13 23:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*05/02/13 23:32*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*05/02/13 23:32*	*1*

Lab Sample ID: LCS 490-76730/3
Matrix: Solid
Analysis Batch: 76730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.2458		mg/Kg		98	51 - 149
Benzene	0.0500	0.05267		mg/Kg		105	75 - 127
Bromoform	0.0500	0.05012		mg/Kg		100	36 - 150
Bromomethane	0.0500	0.05134		mg/Kg		103	43 - 142
2-Butanone (MEK)	0.250	0.2673		mg/Kg		107	61 - 132
Carbon disulfide	0.0500	0.04623		mg/Kg		92	74 - 135
Carbon tetrachloride	0.0500	0.05264		mg/Kg		105	70 - 141
Chlorobenzene	0.0500	0.05349		mg/Kg		107	84 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-76730/3
Matrix: Solid
Analysis Batch: 76730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	0.0500	0.05370		mg/Kg		107	66 - 134
Chloroethane	0.0500	0.04883		mg/Kg		98	53 - 144
Chloroform	0.0500	0.05451		mg/Kg		109	76 - 130
Chloromethane	0.0500	0.04045		mg/Kg		81	23 - 150
cis-1,2-Dichloroethene	0.0500	0.04948		mg/Kg		99	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05384		mg/Kg		108	73 - 148
Dibromomethane	0.0500	0.04835		mg/Kg		97	71 - 130
Dichlorobromomethane	0.0500	0.05204		mg/Kg		104	68 - 135
1,1-Dichloroethane	0.0500	0.05167		mg/Kg		103	75 - 124
1,2-Dichloroethane	0.0500	0.05086		mg/Kg		102	65 - 134
1,1-Dichloroethene	0.0500	0.05776		mg/Kg		116	75 - 131
1,2-Dichloropropane	0.0500	0.04660		mg/Kg		93	69 - 120
1,1-Dichloropropene	0.0500	0.05100		mg/Kg		102	79 - 127
Ethylbenzene	0.0500	0.05396		mg/Kg		108	80 - 134
2-Hexanone	0.250	0.2586		mg/Kg		103	57 - 148
Methylene Chloride	0.0500	0.05641		mg/Kg		113	68 - 144
4-Methyl-2-pentanone (MIBK)	0.250	0.2571		mg/Kg		103	59 - 138
m-Xylene & p-Xylene	0.100	0.1136		mg/Kg		114	80 - 137
o-Xylene	0.0500	0.05565		mg/Kg		111	80 - 141
Styrene	0.0500	0.05823		mg/Kg		116	82 - 137
1,1,1,2-Tetrachloroethane	0.0500	0.05268		mg/Kg		105	80 - 136
Tetrachloroethene	0.0500	0.05701		mg/Kg		114	78 - 140
Toluene	0.0500	0.05650		mg/Kg		113	80 - 132
trans-1,2-Dichloroethene	0.0500	0.05456		mg/Kg		109	76 - 128
trans-1,3-Dichloropropene	0.0500	0.05225		mg/Kg		104	62 - 139
1,3,5-Trichlorobenzene	0.0500	0.04056		mg/Kg		81	70 - 130
1,1,1-Trichloroethane	0.0500	0.05295		mg/Kg		106	72 - 140
1,1,2-Trichloroethane	0.0500	0.05473		mg/Kg		109	78 - 128
Trichloroethene	0.0500	0.05160		mg/Kg		103	77 - 127
Vinyl chloride	0.0500	0.04662		mg/Kg		93	47 - 136
Xylenes, Total	0.150	0.1693		mg/Kg		113	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 490-76730/4
Matrix: Solid
Analysis Batch: 76730

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.250	0.2560		mg/Kg		102	51 - 149	4	50
Benzene	0.0500	0.05163		mg/Kg		103	75 - 127	2	50
Bromoform	0.0500	0.04935		mg/Kg		99	36 - 150	2	50
Bromomethane	0.0500	0.05063		mg/Kg		101	43 - 142	1	50
2-Butanone (MEK)	0.250	0.2627		mg/Kg		105	61 - 132	2	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-76730/4
Matrix: Solid
Analysis Batch: 76730

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	0.0500	0.04442		mg/Kg		89	74 - 135	4	50
Carbon tetrachloride	0.0500	0.05096		mg/Kg		102	70 - 141	3	50
Chlorobenzene	0.0500	0.05368		mg/Kg		107	84 - 125	0	50
Chlorodibromomethane	0.0500	0.05189		mg/Kg		104	66 - 134	3	50
Chloroethane	0.0500	0.04812		mg/Kg		96	53 - 144	1	50
Chloroform	0.0500	0.05357		mg/Kg		107	76 - 130	2	49
Chloromethane	0.0500	0.03956		mg/Kg		79	23 - 150	2	50
cis-1,2-Dichloroethene	0.0500	0.04804		mg/Kg		96	75 - 125	3	50
cis-1,3-Dichloropropene	0.0500	0.05222		mg/Kg		104	73 - 148	3	50
Dibromomethane	0.0500	0.04837		mg/Kg		97	71 - 130	0	50
Dichlorobromomethane	0.0500	0.05144		mg/Kg		103	68 - 135	1	50
1,1-Dichloroethane	0.0500	0.04980		mg/Kg		100	75 - 124	4	50
1,2-Dichloroethane	0.0500	0.04931		mg/Kg		99	65 - 134	3	50
1,1-Dichloroethene	0.0500	0.05627		mg/Kg		113	75 - 131	3	50
1,2-Dichloropropane	0.0500	0.04561		mg/Kg		91	69 - 120	2	50
1,1-Dichloropropene	0.0500	0.04956		mg/Kg		99	79 - 127	3	50
Ethylbenzene	0.0500	0.05325		mg/Kg		107	80 - 134	1	50
2-Hexanone	0.250	0.2559		mg/Kg		102	57 - 148	1	50
Methylene Chloride	0.0500	0.05594		mg/Kg		112	68 - 144	1	50
4-Methyl-2-pentanone (MIBK)	0.250	0.2552		mg/Kg		102	59 - 138	1	50
m-Xylene & p-Xylene	0.100	0.1107		mg/Kg		111	80 - 137	3	50
o-Xylene	0.0500	0.05362		mg/Kg		107	80 - 141	4	50
Styrene	0.0500	0.05648		mg/Kg		113	82 - 137	3	50
1,1,1,2-Tetrachloroethane	0.0500	0.05261		mg/Kg		105	80 - 136	0	50
Tetrachloroethene	0.0500	0.05536		mg/Kg		111	78 - 140	3	50
Toluene	0.0500	0.05459		mg/Kg		109	80 - 132	3	50
trans-1,2-Dichloroethene	0.0500	0.05271		mg/Kg		105	76 - 128	3	50
trans-1,3-Dichloropropene	0.0500	0.05081		mg/Kg		102	62 - 139	3	50
1,3,5-Trichlorobenzene	0.0500	0.04027		mg/Kg		81	70 - 130	1	50
1,1,1-Trichloroethane	0.0500	0.05098		mg/Kg		102	72 - 140	4	50
1,1,2-Trichloroethane	0.0500	0.05314		mg/Kg		106	78 - 128	3	50
Trichloroethene	0.0500	0.05045		mg/Kg		101	77 - 127	2	50
Vinyl chloride	0.0500	0.04538		mg/Kg		91	47 - 136	3	50
Xylenes, Total	0.150	0.1643		mg/Kg		110	80 - 137	3	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: 490-25583-B-1 MS
Matrix: Solid
Analysis Batch: 76730

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.250	0.2475		mg/Kg		99	19 - 175
Benzene	ND		0.0500	0.05785		mg/Kg		116	31 - 143

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-25583-B-1 MS
Matrix: Solid
Analysis Batch: 76730

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	ND		0.0500	0.04925		mg/Kg		99	10 - 165
Bromomethane	ND		0.0500	0.04090		mg/Kg		82	10 - 164
2-Butanone (MEK)	ND		0.250	0.2737		mg/Kg		109	18 - 153
Carbon disulfide	ND		0.0500	0.04829		mg/Kg		97	32 - 144
Carbon tetrachloride	ND		0.0500	0.05699		mg/Kg		114	31 - 149
Chlorobenzene	ND		0.0500	0.05870		mg/Kg		117	25 - 152
Chlorodibromomethane	ND		0.0500	0.05496		mg/Kg		110	14 - 146
Chloroethane	ND		0.0500	0.04992		mg/Kg		100	10 - 151
Chloroform	ND		0.0500	0.05945		mg/Kg		119	34 - 160
Chloromethane	ND		0.0500	0.03785		mg/Kg		76	10 - 156
cis-1,2-Dichloroethene	ND		0.0500	0.05388		mg/Kg		108	36 - 139
cis-1,3-Dichloropropene	ND		0.0500	0.05403		mg/Kg		108	15 - 166
Dibromomethane	ND		0.0500	0.05186		mg/Kg		104	20 - 146
Dichlorobromomethane	ND		0.0500	0.05658		mg/Kg		113	19 - 148
1,1-Dichloroethane	ND		0.0500	0.05661		mg/Kg		113	42 - 136
1,2-Dichloroethane	ND		0.0500	0.05383		mg/Kg		108	28 - 138
1,1-Dichloroethene	ND		0.0500	0.06392		mg/Kg		128	41 - 143
1,2-Dichloropropane	ND		0.0500	0.05144		mg/Kg		103	20 - 146
1,1-Dichloropropene	ND		0.0500	0.05585		mg/Kg		112	38 - 145
Ethylbenzene	ND		0.0500	0.06034		mg/Kg		121	23 - 161
2-Hexanone	ND		0.250	0.2821		mg/Kg		113	10 - 169
Methylene Chloride	ND		0.0500	0.06018		mg/Kg		120	24 - 182
4-Methyl-2-pentanone (MIBK)	ND		0.250	0.2819		mg/Kg		113	10 - 168
m-Xylene & p-Xylene	ND		0.100	0.1245		mg/Kg		124	27 - 162
o-Xylene	ND		0.0500	0.06066		mg/Kg		121	18 - 166
Styrene	ND		0.0500	0.06210		mg/Kg		124	10 - 165
1,1,1,2-Tetrachloroethane	ND		0.0500	0.05585		mg/Kg		112	19 - 158
Tetrachloroethene	ND		0.0500	0.05928		mg/Kg		119	33 - 161
Toluene	ND		0.0500	0.06042		mg/Kg		121	30 - 155
trans-1,2-Dichloroethene	ND		0.0500	0.05919		mg/Kg		118	39 - 140
trans-1,3-Dichloropropene	ND		0.0500	0.05270		mg/Kg		105	10 - 157
1,3,5-Trichlorobenzene	ND		0.0500	0.04121		mg/Kg		82	70 - 130
1,1,1-Trichloroethane	ND		0.0500	0.05837		mg/Kg		117	35 - 149
1,1,2-Trichloroethane	ND		0.0500	0.05727		mg/Kg		115	19 - 157
Trichloroethene	ND		0.0500	0.05582		mg/Kg		112	27 - 153
Vinyl chloride	ND		0.0500	0.04551		mg/Kg		91	20 - 141
Xylenes, Total	ND		0.150	0.1852		mg/Kg		123	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-25583-C-1 MSD
Matrix: Solid
Analysis Batch: 76730

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.250	0.2633		mg/Kg		105	19 - 175	6	50
Benzene	ND		0.0500	0.05739		mg/Kg		115	31 - 143	1	50
Bromoform	ND		0.0500	0.04848		mg/Kg		97	10 - 165	2	50
Bromomethane	ND		0.0500	0.04926		mg/Kg		99	10 - 164	19	50
2-Butanone (MEK)	ND		0.250	0.2681		mg/Kg		107	18 - 153	2	50
Carbon disulfide	ND		0.0500	0.04871		mg/Kg		97	32 - 144	1	50
Carbon tetrachloride	ND		0.0500	0.05839		mg/Kg		117	31 - 149	2	50
Chlorobenzene	ND		0.0500	0.05786		mg/Kg		116	25 - 152	1	50
Chlorodibromomethane	ND		0.0500	0.05396		mg/Kg		108	14 - 146	2	50
Chloroethane	ND		0.0500	0.04894		mg/Kg		98	10 - 151	2	50
Chloroform	ND		0.0500	0.05938		mg/Kg		119	34 - 160	0	49
Chloromethane	ND		0.0500	0.03853		mg/Kg		77	10 - 156	2	50
cis-1,2-Dichloroethene	ND		0.0500	0.05377		mg/Kg		108	36 - 139	0	50
cis-1,3-Dichloropropene	ND		0.0500	0.05395		mg/Kg		108	15 - 166	0	50
Dibromomethane	ND		0.0500	0.05130		mg/Kg		103	20 - 146	1	50
Dichlorobromomethane	ND		0.0500	0.05605		mg/Kg		112	19 - 148	1	50
1,1-Dichloroethane	ND		0.0500	0.05629		mg/Kg		113	42 - 136	1	50
1,2-Dichloroethane	ND		0.0500	0.05289		mg/Kg		106	28 - 138	2	50
1,1-Dichloroethene	ND		0.0500	0.06371		mg/Kg		127	41 - 143	0	50
1,2-Dichloropropane	ND		0.0500	0.05119		mg/Kg		102	20 - 146	0	50
1,1-Dichloropropene	ND		0.0500	0.05664		mg/Kg		113	38 - 145	1	50
Ethylbenzene	ND		0.0500	0.05938		mg/Kg		119	23 - 161	2	50
2-Hexanone	ND		0.250	0.2593		mg/Kg		104	10 - 169	8	50
Methylene Chloride	ND		0.0500	0.06074		mg/Kg		121	24 - 182	1	50
4-Methyl-2-pentanone (MIBK)	ND		0.250	0.2599		mg/Kg		104	10 - 168	8	50
m-Xylene & p-Xylene	ND		0.100	0.1222		mg/Kg		122	27 - 162	2	50
o-Xylene	ND		0.0500	0.06058		mg/Kg		121	18 - 166	0	50
Styrene	ND		0.0500	0.06139		mg/Kg		123	10 - 165	1	50
1,1,1,2-Tetrachloroethane	ND		0.0500	0.05569		mg/Kg		111	19 - 158	0	50
Tetrachloroethene	ND		0.0500	0.05791		mg/Kg		116	33 - 161	2	50
Toluene	ND		0.0500	0.05857		mg/Kg		117	30 - 155	3	50
trans-1,2-Dichloroethene	ND		0.0500	0.05928		mg/Kg		119	39 - 140	0	50
trans-1,3-Dichloropropene	ND		0.0500	0.05131		mg/Kg		103	10 - 157	3	50
1,3,5-Trichlorobenzene	ND		0.0500	0.04140		mg/Kg		83	70 - 130	0	50
1,1,1-Trichloroethane	ND		0.0500	0.05829		mg/Kg		117	35 - 149	0	50
1,1,2-Trichloroethane	ND		0.0500	0.05469		mg/Kg		109	19 - 157	5	50
Trichloroethene	ND		0.0500	0.05601		mg/Kg		112	27 - 153	0	50
Vinyl chloride	ND		0.0500	0.04601		mg/Kg		92	20 - 141	1	50
Xylenes, Total	ND		0.150	0.1828		mg/Kg		122	25 - 162	1	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Method: Moisture - Percent Moisture

Lab Sample ID: 490-25431-1 DU
Matrix: Soil
Analysis Batch: 76084

Client Sample ID: HP-22 (9-10)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	94			94		%				0.8	20

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

GC/MS VOA

Prep Batch: 75425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25213-B-13-A MS	Matrix Spike	Total/NA	Solid	5030B	
490-25213-B-13-A MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	

Prep Batch: 76046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-1	HP-22 (9-10)	Total/NA	Soil	5035	
490-25431-2	HP-23 (12-13)	Total/NA	Soil	5035	
490-25431-3	HP-26 (5-6)	Total/NA	Soil	5035	
490-25431-5	HP-24 (6-7)	Total/NA	Soil	5035	
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	5035	
490-25431-7	HP-27 (6-7)	Total/NA	Soil	5035	
490-25431-8	HP-30 (6-7)	Total/NA	Soil	5035	
490-25431-9	HP-31 (7-8)	Total/NA	Soil	5035	
490-25431-10	HP-29 (7-8)	Total/NA	Soil	5035	
490-25431-11	HP-28 (6-7)	Total/NA	Soil	5035	

Analysis Batch: 76322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25213-B-13-A MS	Matrix Spike	Total/NA	Solid	8260B	75425
490-25213-B-13-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	75425
490-25431-1	HP-22 (9-10)	Total/NA	Soil	8260B	76046
490-25431-2	HP-23 (12-13)	Total/NA	Soil	8260B	76046
490-25431-3	HP-26 (5-6)	Total/NA	Soil	8260B	76046
490-25431-4	HP-25 (4-5)	Total/NA	Soil	8260B	76437
490-25431-5	HP-24 (6-7)	Total/NA	Soil	8260B	76046
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	8260B	76046
490-25431-7	HP-27 (6-7)	Total/NA	Soil	8260B	76046
490-25431-8	HP-30 (6-7)	Total/NA	Soil	8260B	76046
490-25431-9	HP-31 (7-8)	Total/NA	Soil	8260B	76046
490-25431-10	HP-29 (7-8)	Total/NA	Soil	8260B	76046
490-25431-11	HP-28 (6-7)	Total/NA	Soil	8260B	76046
LCS 490-76322/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-76322/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-76322/8	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 76437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-4	HP-25 (4-5)	Total/NA	Soil	5030B	

Analysis Batch: 76730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	8260B	76046
490-25583-B-1 MS	Matrix Spike	Total/NA	Solid	8260B	
490-25583-C-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	
LCS 490-76730/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-76730/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-76730/8	Method Blank	Total/NA	Solid	8260B	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

General Chemistry

Analysis Batch: 76084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-1	HP-22 (9-10)	Total/NA	Soil	Moisture	
490-25431-1 DU	HP-22 (9-10)	Total/NA	Soil	Moisture	
490-25431-2	HP-23 (12-13)	Total/NA	Soil	Moisture	
490-25431-3	HP-26 (5-6)	Total/NA	Soil	Moisture	
490-25431-4	HP-25 (4-5)	Total/NA	Soil	Moisture	
490-25431-5	HP-24 (6-7)	Total/NA	Soil	Moisture	
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	Moisture	
490-25431-7	HP-27 (6-7)	Total/NA	Soil	Moisture	
490-25431-8	HP-30 (6-7)	Total/NA	Soil	Moisture	
490-25431-9	HP-31 (7-8)	Total/NA	Soil	Moisture	
490-25431-10	HP-29 (7-8)	Total/NA	Soil	Moisture	
490-25431-11	HP-28 (6-7)	Total/NA	Soil	Moisture	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-22 (9-10)

Lab Sample ID: 490-25431-1
Date Collected: 04/29/13 08:57
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76046	04/30/13 13:29	MLN	TAL NSH
Total/NA	Analysis	8260B		1	76322	05/01/13 16:44	EML	TAL NSH
Total/NA	Analysis	Moisture		1	76084	04/30/13 15:24	RRS	TAL NSH

Client Sample ID: HP-23 (12-13)

Lab Sample ID: 490-25431-2
Date Collected: 04/29/13 09:39
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76046	04/30/13 13:29	MLN	TAL NSH
Total/NA	Analysis	8260B		1	76322	05/01/13 17:10	EML	TAL NSH
Total/NA	Analysis	Moisture		1	76084	04/30/13 15:24	RRS	TAL NSH

Client Sample ID: HP-26 (5-6)

Lab Sample ID: 490-25431-3
Date Collected: 04/29/13 10:20
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76046	04/30/13 13:29	MLN	TAL NSH
Total/NA	Analysis	8260B		1	76322	05/01/13 17:36	EML	TAL NSH
Total/NA	Analysis	Moisture		1	76084	04/30/13 15:24	RRS	TAL NSH

Client Sample ID: HP-25 (4-5)

Lab Sample ID: 490-25431-4
Date Collected: 04/29/13 11:02
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			76437	05/01/13 16:21	MLN	TAL NSH
Total/NA	Analysis	8260B		1	76322	05/01/13 21:56	EML	TAL NSH
Total/NA	Analysis	Moisture		1	76084	04/30/13 15:24	RRS	TAL NSH

Client Sample ID: HP-24 (6-7)

Lab Sample ID: 490-25431-5
Date Collected: 04/29/13 12:01
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76046	04/30/13 13:29	MLN	TAL NSH
Total/NA	Analysis	8260B		1	76322	05/01/13 18:02	EML	TAL NSH
Total/NA	Analysis	Moisture		1	76084	04/30/13 15:24	RRS	TAL NSH

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-03-2 (9-10)

Lab Sample ID: 490-25431-6
Date Collected: 04/29/13 12:18
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76046	04/30/13 13:29	MLN	TAL NSH
Total/NA	Analysis	8260B		10	76322	05/01/13 21:04	EML	TAL NSH
Total/NA	Prep	5035			76046	04/30/13 13:29	MLN	TAL NSH
Total/NA	Analysis	8260B		100	76730	05/03/13 02:34	EML	TAL NSH
Total/NA	Analysis	Moisture		1	76084	04/30/13 15:24	RRS	TAL NSH

Client Sample ID: HP-27 (6-7)

Lab Sample ID: 490-25431-7
Date Collected: 04/29/13 12:48
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76046	04/30/13 13:29	MLN	TAL NSH
Total/NA	Analysis	8260B		1	76322	05/01/13 18:28	EML	TAL NSH
Total/NA	Analysis	Moisture		1	76084	04/30/13 15:24	RRS	TAL NSH

Client Sample ID: HP-30 (6-7)

Lab Sample ID: 490-25431-8
Date Collected: 04/29/13 13:32
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76046	04/30/13 13:29	MLN	TAL NSH
Total/NA	Analysis	8260B		1	76322	05/01/13 18:54	EML	TAL NSH
Total/NA	Analysis	Moisture		1	76084	04/30/13 15:24	RRS	TAL NSH

Client Sample ID: HP-31 (7-8)

Lab Sample ID: 490-25431-9
Date Collected: 04/29/13 13:53
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76046	04/30/13 13:29	MLN	TAL NSH
Total/NA	Analysis	8260B		1	76322	05/01/13 19:20	EML	TAL NSH
Total/NA	Analysis	Moisture		1	76084	04/30/13 15:24	RRS	TAL NSH

Client Sample ID: HP-29 (7-8)

Lab Sample ID: 490-25431-10
Date Collected: 04/29/13 14:17
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76046	04/30/13 13:29	MLN	TAL NSH
Total/NA	Analysis	8260B		1	76322	05/01/13 19:46	EML	TAL NSH
Total/NA	Analysis	Moisture		1	76084	04/30/13 15:24	RRS	TAL NSH

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Client Sample ID: HP-28 (6-7)

Lab Sample ID: 490-25431-11

Date Collected: 04/29/13 15:06
Date Received: 04/30/13 08:30

Matrix: Soil
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76046	04/30/13 13:29	MLN	TAL NSH
Total/NA	Analysis	8260B		1	76322	05/01/13 20:12	EML	TAL NSH
Total/NA	Analysis	Moisture		1	76084	04/30/13 15:24	RRS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-1
SDG: MA000725.0008.0107

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14
Arkansas DEQ	State Program	6	88-0737	04-25-14
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-14
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-14
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-14
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13 *
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-14
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13 *
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-14
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	02-28-14
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	07-30-13 *
Virginia	NELAP	3	460152	06-14-14
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

490-25431 Chain of Custody

Cooler Received/Opened On : 04/30/13 @ 0830

Tracking # 6011 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 17960357

1. Temperature of rep. sample or temp blank when opened: 1.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES NO NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment

Loc: 490
25431

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 4/30/2013 @ 0830

1. Tracking # 6000 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 17610176

2. Temperature of rep. sample or temp blank when opened: 1-6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: (front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

7/1/2013

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIR

Loc: 490
25431

7/1/2013

Client Information	Sampler: Ian Martz	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 490-10391-4679.1
Client Contact: Chuck Castelluccio	Phone: 978-322-4526	E-Mail: shali.brown@testamericainc.com		Page: 1 of 1
Company: ARCADIS U.S., Inc.				Job #:
Address: 1 Executive Drive Suite 303	Due Date Requested: 5/6/13			
City: Chelmsford	TAT Requested (days): 5			
State, Zip: MA, 01824				
Phone: 781-213-4962	PO #: Purchase Order Requested			
Email: chuck.castelluccio@arcadis-us.com	WO #:			
Project Name: FORD Tibbetts Road Site E101274	Project #: 49002494			
Site: Tibbetts Road Site	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - (MOD) New Hampshire Volatiles List	8015B_DRO	8082 PCBs	Total Number of containers	Special Instructions/Note:	
			Preservation Code:									
HP-22 (9-10)	4/29/13	0857	G	S	N	N	X	X	X		Hold PCBs/DRO	1
HP-23 (12-13)	4/29/13	0939	G	S	N	N	X	X	X		Hold PCBs/DRO	2
HP-26 (5-6)	4/29/13	1020	G	S	N	N	X	X	X		Hold PCBs/DRO	3
HP-25 (4-5)	4/29/13	1102	G	S	N	N	X	X	X		Hold PCBs/DRO	4
HP-24 (6-7)	4/29/13	1201	G	S	N	N	X	X	X		Hold PCBs/DRO	5
HP-03-2 (9-10)	4/29/13	1218	G	S	N	N	X	X	X		Hold PCBs/DRO	6
HP-27 (6-7)	4/29/13	1248	G	S	N	N	X	X	X		Hold PCBs/DRO	7
HP-30 (6-7)	4/29/13	1332	G	S	N	N	X	X	X		Hold PCBs/DRO	8
HP-31 (7-8)	4/29/13	1353	G	S	N	N	X	X	X		Hold PCBs/DRO	9
HP-29 (7-8)	4/29/13	1417	G	S	N	N	X	X	X		Hold PCBs/DRO	10
HP-28 (6-7)	4/29/13	1506	G	S	N	N	X	X	X		Hold PCBs/DRO	11

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, (II), III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 4/29/13 @ 1700	Company: ARCADIS	Received by:	Date/Time: 4-30-13 @ 0830	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 1.2/1.6c

Brown, Shali

From: Martz, Ian [Ian.Martz@arcadis-us.com]
Sent: Monday, June 24, 2013 2:00 PM
To: Brown, Shali
Cc: Castelluccio, Chuck
Subject: ARCADIS lab reports
Attachments: E101274_J28559-1_20130605_report.pdf; E101274_J25431-1_20130429_report.pdf; E101274_NUF2439_20110614_report.pdf

Hi Shali-

For the attached lab reports (J28559-1 and J25431-1), can you please see if it is possible to report the full list of VOCs? What we are looking for is the extended list that was used in some soil samples collected from the site in 2011 (NUF2439, attached). Please let me know if you have any questions.

-Ian

Ian A. Martz | Staff Geologist | Remediation East - North | ian.martz@arcadis-us.com
ARCADIS U.S., Inc. | One Executive Drive, Suite 303 | Chelmsford, MA 01824
Direct: 978.322.4526 | Office: 978.937.9999 | Mobile: 717.645.6179 (personal) or 978.435.1847 (field)
www.arcadis-us.com
ARCADIS, Imagine the result
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Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 490-25431-1
SDG Number: MA000725.0008.0107

Login Number: 25431
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-25431-2
TestAmerica Sample Delivery Group: MA000725.0008.0107
Client Project/Site: FORD Tibbetts Road Site E101274

For:
ARCADIS U.S., Inc.
1 Executive Drive
Suite 303
Chelmsford, Massachusetts 01824

Attn: Chuck Castelluccio

Authorized for release by:
5/9/2013 10:59:55 AM

Shali Brown, Project Manager I
shali.brown@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-2
SDG: MA000725.0008.0107

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-25431-6	HP-03-2 (9-10)	Soil	04/29/13 12:18	04/30/13 08:30

Job ID: 490-25431-2

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-25431-2

Comments
No additional comments.

Receipt
The samples were received on 4/30/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperatures of the 2 coolers at receipt time were 1.2º C and 1.6º C.

GC Semi VOA
Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not accurate and elevated reporting limits have been provided: HP-03-2 (9-10) (490-25431-6).

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-2
SDG: MA000725.0008.0107

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-2
SDG: MA000725.0008.0107

Client Sample ID: HP-03-2 (9-10)

Lab Sample ID: 490-25431-6

Date Collected: 04/29/13 12:18
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 90.1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2520		122	34.1	mg/Kg	☼	05/07/13 11:54	05/08/13 09:39	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*76*		*50 - 150*	*05/07/13 11:54*	*05/08/13 09:39*	*25*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0329	0.0207	mg/Kg	☼	05/07/13 12:34	05/08/13 12:33	1
PCB-1221	ND		0.0329	0.0168	mg/Kg	☼	05/07/13 12:34	05/08/13 12:33	1
PCB-1232	ND		0.0329	0.0217	mg/Kg	☼	05/07/13 12:34	05/08/13 12:33	1
PCB-1242	ND		0.0329	0.0257	mg/Kg	☼	05/07/13 12:34	05/08/13 12:33	1
PCB-1248	ND		0.0329	0.0296	mg/Kg	☼	05/07/13 12:34	05/08/13 12:33	1
PCB-1254	ND		0.0329	0.0168	mg/Kg	☼	05/07/13 12:34	05/08/13 12:33	1
PCB-1260	0.0787		0.0329	0.0306	mg/Kg	☼	05/07/13 12:34	05/08/13 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*19 - 147*	*05/07/13 12:34*	*05/08/13 12:33*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*20 - 150*	*05/07/13 12:34*	*05/08/13 12:33*	*1*

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-2
SDG: MA000725.0008.0107

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-77529/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77447 — **Prep Batch: 77529**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.00	1.40	mg/Kg		05/07/13 11:54	05/07/13 19:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*69*		*50 - 150*	*05/07/13 11:54*	*05/07/13 19:23*	*1*

Lab Sample ID: LCS 490-77529/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77447 — **Prep Batch: 77529**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	40.0	32.29		mg/Kg		81	54 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*79*		*50 - 150*

Lab Sample ID: 490-25852-B-2-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77447 — **Prep Batch: 77529**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	3.50	J	39.6	30.32		mg/Kg	☼	68	10 - 142

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl (Surr)	*69*		*50 - 150*

Lab Sample ID: 490-25852-B-2-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77447 — **Prep Batch: 77529**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	3.50	J	40.0	33.84		mg/Kg	☼	76	10 - 142	11	47

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*77*		*50 - 150*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 490-77548/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77742 — **Prep Batch: 77548**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0333	0.0210	mg/Kg		05/07/13 12:34	05/08/13 11:50	1
PCB-1221	ND		0.0333	0.0170	mg/Kg		05/07/13 12:34	05/08/13 11:50	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 490-77548/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77742 — **Prep Batch: 77548**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.0333	0.0220	mg/Kg		05/07/13 12:34	05/08/13 11:50	1
PCB-1242	ND		0.0333	0.0260	mg/Kg		05/07/13 12:34	05/08/13 11:50	1
PCB-1248	ND		0.0333	0.0300	mg/Kg		05/07/13 12:34	05/08/13 11:50	1
PCB-1254	ND		0.0333	0.0170	mg/Kg		05/07/13 12:34	05/08/13 11:50	1
PCB-1260	ND		0.0333	0.0310	mg/Kg		05/07/13 12:34	05/08/13 11:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*19 - 147*	*05/07/13 12:34*	*05/08/13 11:50*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*20 - 150*	*05/07/13 12:34*	*05/08/13 11:50*	*1*

Lab Sample ID: LCS 490-77548/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77742 — **Prep Batch: 77548**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1248	0.167	0.1781		mg/Kg		107	45 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*95*		*19 - 147*
DCB Decachlorobiphenyl (Surr)	*90*		*20 - 150*

Lab Sample ID: 490-25431-6 MS — **Client Sample ID: HP-03-2 (9-10)**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 77742 — **Prep Batch: 77548**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1248	ND		0.180	0.1611		mg/Kg	☼	89	11 - 158

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*78*		*19 - 147*
DCB Decachlorobiphenyl (Surr)	*57*	*p*	*20 - 150*

Lab Sample ID: 490-25431-6 MSD — **Client Sample ID: HP-03-2 (9-10)**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 77742 — **Prep Batch: 77548**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1248	ND		0.181	0.1529		mg/Kg	☼	84	11 - 158	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*76*		*19 - 147*
DCB Decachlorobiphenyl (Surr)	*110*		*20 - 150*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-2
SDG: MA000725.0008.0107

GC Semi VOA

Analysis Batch: 77447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	8015B	77529
490-25852-B-2-C MS	Matrix Spike	Total/NA	Solid	8015B	77529
490-25852-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	77529
LCS 490-77529/2-A	Lab Control Sample	Total/NA	Solid	8015B	77529
MB 490-77529/1-A	Method Blank	Total/NA	Solid	8015B	77529

Prep Batch: 77529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	3550B	
490-25852-B-2-C MS	Matrix Spike	Total/NA	Solid	3550B	
490-25852-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550B	
LCS 490-77529/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-77529/1-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 77548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	3550B	
490-25431-6 MS	HP-03-2 (9-10)	Total/NA	Soil	3550B	
490-25431-6 MSD	HP-03-2 (9-10)	Total/NA	Soil	3550B	
LCS 490-77548/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-77548/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 77742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	8082	77548
490-25431-6 MS	HP-03-2 (9-10)	Total/NA	Soil	8082	77548
490-25431-6 MSD	HP-03-2 (9-10)	Total/NA	Soil	8082	77548
LCS 490-77548/2-A	Lab Control Sample	Total/NA	Solid	8082	77548
MB 490-77548/1-A	Method Blank	Total/NA	Solid	8082	77548

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-2
SDG: MA000725.0008.0107

Client Sample ID: HP-03-2 (9-10)

Lab Sample ID: 490-25431-6

Date Collected: 04/29/13 12:18
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			77529	05/07/13 11:54	PA	TAL NSH
Total/NA	Analysis	8015B		25	77447	05/08/13 09:39	JL	TAL NSH
Total/NA	Prep	3550B			77548	05/07/13 12:34	AK	TAL NSH
Total/NA	Analysis	8082		1	77742	05/08/13 12:33	SCS	TAL NSH
Total/NA	Prep	3550B			77548	05/07/13 12:34	AK	TAL NSH
Total/NA	Analysis	8082		1	77742	05/08/13 12:33	SCS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-2
SDG: MA000725.0008.0107

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-2
SDG: MA000725.0008.0107

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

Brown, Shali

From: Castelluccio, Chuck [Chuck.Castelluccio@arcadis-us.com]
Sent: Tuesday, May 07, 2013 8:41 AM
To: Brown, Shali; Martz, Ian
Subject: RE: Tibbetts soil results

How about 3 days?

Charles Castelluccio | Principal Scientist, LSP/LEP | chuck.castelluccio@arcadis-us.com
ARCADIS U.S., Inc., Remediation East | 200 Harvard Mills Square, Suite 430 | Wakefield, MA 01880
T: 781.213.4962 | M: 978.505.1123

www.arcadis-us.com
ARCADIS, Imagine the result

Please consider the environment before printing this email.

From: Brown, Shali [mailto:Shali.Brown@testamericainc.com]
Sent: Tuesday, May 07, 2013 9:28 AM
To: Martz, Ian
Cc: Castelluccio, Chuck
Subject: RE: Tibbetts soil results
Importance: High

Good Morning Ian,

What TAT are requesting for DRO an PCB's? 2 day 3 day ect…

Shali

Announcing TotalAccess 4.0 – Online access to your data. New homepage with easier access to your data, multiple search criteria including sampling date and much more! Contact your Account Executive or Project Manager today to arrange for a live demonstration
Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

SHALI BROWN
Project Manager
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive
Nashville, TN 37204
Tel 615.301.5031 Fax 615.345.0973
1-800-765-0980 x1212
www.testamericainc.com

From: Martz, Ian [mailto:Ian.Martz@arcadis-us.com]
Sent: Tuesday, May 07, 2013 7:20 AM
To: Brown, Shali
Cc: Castelluccio, Chuck

Subject: Tibbetts soil results

Hi Shali-

For the attached submittal, can you please release the HP-03-2 (9-10) sample (490-25431-6) for DRO and PCBs on a rush TAT? Let me know if you have any questions, thanks!

-Ian

Ian A. Martz | Staff Geologist | Remediation East - North | ian.martz@arcadis-us.com
ARCADIS U.S., Inc. | One Executive Drive, Suite 303 | Chelmsford, MA 01824
Direct: 978.322.4526 | Office: 978.937.9999 | Mobile: 717.645.6179 (personal) or 978.435.1847 (field)
www.arcadis-us.com
ARCADIS, Imagine the result
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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

490-25431 Chain of Custody

Cooler Received/Opened On : 04/30/13 @ 0830

Tracking # 6011 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 17960357

1. Temperature of rep. sample or temp blank when opened: 1.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES NO NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment

Loc: 490
25431

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 4/30/2013 @ 0830

1. Tracking # 6000 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 17610176

2. Temperature of rep. sample or temp blank when opened: 1-6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

5/9/2013

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIR

Loc: 490
25431

5/9/2013

Client Information	Sampler: Ian Martz	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 490-10391-4679.1
Client Contact: Chuck Castelluccio	Phone: 978-322-4526	E-Mail: shali.brown@testamericainc.com		Page: 1 of 1
Company: ARCADIS U.S., Inc.				Job #:
Address: 1 Executive Drive Suite 303	Due Date Requested: 5/6/13			
City: Chelmsford	TAT Requested (days): 5			
State, Zip: MA, 01824				
Phone: 781-213-4962	PO #: Purchase Order Requested			
Email: chuck.castelluccio@arcadis-us.com	WO #:			
Project Name: FORD Tibbetts Road Site E101274	Project #: 49002494			
Site: Tibbetts Road Site	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - (MOD) New Hampshire Volatiles List	8015B_DRO	8082 PCBs	Total Number of containers	Special Instructions/Note:	
			Preservation Code:									
HP-22 (9-10)	4/29/13	0857	G	S	N	N	X	X	X		Hold PCBs/DRO	1
HP-23 (12-13)	4/29/13	0939	G	S	N	N	X	X	X		Hold PCBs/DRO	2
HP-26 (5-6)	4/29/13	1020	G	S	N	N	X	X	X		Hold PCBs/DRO	3
HP-25 (4-5)	4/29/13	1102	G	S	N	N	X	X	X		Hold PCBs/DRO	4
HP-24 (6-7)	4/29/13	1201	G	S	N	N	X	X	X		Hold PCBs/DRO	5
HP-03-2 (9-10)	4/29/13	1218	G	S	N	N	X	X	X		Hold PCBs/DRO	6
HP-27 (6-7)	4/29/13	1248	G	S	N	N	X	X	X		Hold PCBs/DRO	7
HP-30 (6-7)	4/29/13	1332	G	S	N	N	X	X	X		Hold PCBs/DRO	8
HP-31 (7-8)	4/29/13	1353	G	S	N	N	X	X	X		Hold PCBs/DRO	9
HP-29 (7-8)	4/29/13	1417	G	S	N	N	X	X	X		Hold PCBs/DRO	10
HP-28 (6-7)	4/29/13	1506	G	S	N	N	X	X	X		Hold PCBs/DRO	11

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 4/29/13 @ 1700	Company: ARCADIS	Received by:	Date/Time: 4-30-13 @ 0830	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 1.2/1.6c

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 490-25431-2
SDG Number: MA000725.0008.0107

Login Number: 25431
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-25431-3
TestAmerica Sample Delivery Group: MA000725.0008.0107
Client Project/Site: FORD Tibbetts Road Site E101274

For:
ARCADIS U.S., Inc.
1 Executive Drive
Suite 303
Chelmsford, Massachusetts 01824

Attn: Chuck Castelluccio

Authorized for release by:
5/28/2013 4:20:47 PM

Shali Brown, Project Manager I
shali.brown@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-3
SDG: MA000725.0008.0107

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-25431-6	HP-03-2 (9-10)	Soil	04/29/13 12:18	04/30/13 08:30

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-3
SDG: MA000725.0008.0107

Job ID: 490-25431-3

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-25431-3

Comments
RCRA Metals requested on sample -6 [HP-03-2(9-10)]; reference attached email.

Receipt
The samples were received on 4/30/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.2º C and 1.6º C.

Metals
Method(s) 6010B: The method blank for batch 490-81599 contained Cr above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-3
SDG: MA000725.0008.0107

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-3
SDG: MA000725.0008.0107

Client Sample ID: HP-03-2 (9-10)

Lab Sample ID: 490-25431-6

Date Collected: 04/29/13 12:18
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 90.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10.1**		1.07	1.06	mg/Kg	☼	05/24/13 07:08	05/24/13 17:04	1
Barium	**35.6**		2.15	0.644	mg/Kg	☼	05/24/13 07:08	05/24/13 17:04	1
Cadmium	ND		1.07	0.0644	mg/Kg	☼	05/24/13 07:08	05/24/13 17:04	1
Chromium	**6.44**	**B**	1.07	0.537	mg/Kg	☼	05/24/13 07:08	05/24/13 17:04	1
Lead	**4.57**		1.07	0.537	mg/Kg	☼	05/24/13 07:08	05/24/13 17:04	1
Selenium	ND		2.15	1.07	mg/Kg	☼	05/24/13 07:08	05/24/13 17:04	1
Silver	ND		1.07	0.215	mg/Kg	☼	05/24/13 07:08	05/24/13 17:04	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		107	32.1	mg/Kg	☼	05/23/13 11:09	05/24/13 12:33	1000

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-3
SDG: MA000725.0008.0107

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 490-81599/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 82085 — **Prep Batch: 81599**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		2.00	0.599	mg/Kg		05/24/13 07:08	05/24/13 16:57	1
Cadmium	ND		0.998	0.0599	mg/Kg		05/24/13 07:08	05/24/13 16:57	1
Chromium	0.7984	J	0.998	0.499	mg/Kg		05/24/13 07:08	05/24/13 16:57	1
Lead	ND		0.998	0.499	mg/Kg		05/24/13 07:08	05/24/13 16:57	1
Selenium	ND		2.00	0.998	mg/Kg		05/24/13 07:08	05/24/13 16:57	1
Silver	ND		0.998	0.200	mg/Kg		05/24/13 07:08	05/24/13 16:57	1

Lab Sample ID: LCS 490-81599/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 82085 — **Prep Batch: 81599**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	19.3	17.36		mg/Kg		90	80 - 120
Barium	771	774.6		mg/Kg		100	80 - 120
Cadmium	19.3	19.15		mg/Kg		99	80 - 120
Chromium	77.1	75.93		mg/Kg		99	80 - 120
Lead	19.3	19.38		mg/Kg		101	80 - 120
Selenium	19.3	18.84		mg/Kg		98	80 - 120
Silver	19.3	18.69		mg/Kg		97	80 - 120

Lab Sample ID: 490-25431-6 MS — **Client Sample ID: HP-03-2 (9-10)**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 82085 — **Prep Batch: 81599**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10.1		22.4	30.60		mg/Kg	☼	92	75 - 125
Barium	35.6		895	926.6		mg/Kg	☼	100	75 - 125
Cadmium	ND		22.4	21.24		mg/Kg	☼	95	75 - 125
Chromium	6.44	B	89.5	92.64		mg/Kg	☼	96	75 - 125
Lead	4.57		22.4	27.49		mg/Kg	☼	102	75 - 125
Selenium	ND		22.4	21.35		mg/Kg	☼	95	75 - 125
Silver	ND		22.4	21.71		mg/Kg	☼	97	75 - 125

Lab Sample ID: 490-25431-6 MSD — **Client Sample ID: HP-03-2 (9-10)**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 82085 — **Prep Batch: 81599**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	10.1		21.2	29.85		mg/Kg	☼	93	75 - 125	2	20
Barium	35.6		847	874.6		mg/Kg	☼	99	75 - 125	6	20
Cadmium	ND		21.2	19.70		mg/Kg	☼	93	75 - 125	8	20
Chromium	6.44	B	84.7	88.16		mg/Kg	☼	96	75 - 125	5	20
Lead	4.57		21.2	26.10		mg/Kg	☼	102	75 - 125	5	20
Selenium	ND		21.2	19.87		mg/Kg	☼	94	75 - 125	7	20
Silver	ND		21.2	20.08		mg/Kg	☼	95	75 - 125	8	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-3
SDG: MA000725.0008.0107

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 490-81379/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 81759 — **Prep Batch: 81379**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0998	0.0300	mg/Kg		05/23/13 11:09	05/24/13 11:59	1

Lab Sample ID: LCS 490-81379/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 81759 — **Prep Batch: 81379**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.162	0.1626		mg/Kg		101	80 - 120

Lab Sample ID: 490-26730-B-2-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 81759 — **Prep Batch: 81379**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.166	0.1861		mg/Kg		112	75 - 125

Lab Sample ID: 490-26730-B-2-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 81759 — **Prep Batch: 81379**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.164	0.1826		mg/Kg		111	75 - 125	2	20

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-3
SDG: MA000725.0008.0107

Metals

Prep Batch: 81379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	7471A	
490-26730-B-2-D MS	Matrix Spike	Total/NA	Solid	7471A	
490-26730-B-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	
LCS 490-81379/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 490-81379/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 81599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	3051	
490-25431-6 MS	HP-03-2 (9-10)	Total/NA	Soil	3051	
490-25431-6 MSD	HP-03-2 (9-10)	Total/NA	Soil	3051	
LCS 490-81599/2-A	Lab Control Sample	Total/NA	Solid	3051	
MB 490-81599/1-A	Method Blank	Total/NA	Solid	3051	

Analysis Batch: 81759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	7471A	81379
490-26730-B-2-D MS	Matrix Spike	Total/NA	Solid	7471A	81379
490-26730-B-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	81379
LCS 490-81379/2-A	Lab Control Sample	Total/NA	Solid	7471A	81379
MB 490-81379/1-A	Method Blank	Total/NA	Solid	7471A	81379

Analysis Batch: 82085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-25431-6	HP-03-2 (9-10)	Total/NA	Soil	6010B	81599
490-25431-6 MS	HP-03-2 (9-10)	Total/NA	Soil	6010B	81599
490-25431-6 MSD	HP-03-2 (9-10)	Total/NA	Soil	6010B	81599
LCS 490-81599/2-A	Lab Control Sample	Total/NA	Solid	6010B	81599
MB 490-81599/1-A	Method Blank	Total/NA	Solid	6010B	81599

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-3
SDG: MA000725.0008.0107

Client Sample ID: HP-03-2 (9-10)

Lab Sample ID: 490-25431-6

Date Collected: 04/29/13 12:18
Matrix: Soil
Date Received: 04/30/13 08:30
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			81379	05/23/13 11:09	MT	TAL NSH
Total/NA	Analysis	7471A		1000	81759	05/24/13 12:33	LB	TAL NSH
Total/NA	Prep	3051			81599	05/24/13 07:08	NLI	TAL NSH
Total/NA	Analysis	6010B		1	82085	05/24/13 17:04	BB	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-3
SDG: MA000725.0008.0107

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL NSH
7471A	Mercury (CVAA)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-25431-3
SDG: MA000725.0008.0107

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

Brown, Shali

From: Brown, Shali [shali.brown@testamericainc.com]
Sent: Thursday, May 23, 2013 12:26 PM
To: Chuck Castelluccio; Ian Martz
Subject: Files from 490-25431-3 FORD Tibbetts Road Site E101274
Attachments: SmpLoginAck [Std_Tal_Login_Ack].pdf; COC 490-25431 (201304301346).pdf

Ian, per your phone request RCRA Metals has been added to sample 6 (HP-03-2 (9-10)) for a 2 day TAT.

Shali

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

SHALI BROWN

TestAmerica Nashville
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 615.301.5031

Reference: [070252]
Attachments: 2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

490-25431 Chain of Custody

Cooler Received/Opened On : 04/30/13 @ 0830

Tracking # 6011 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 17960357

1. Temperature of rep. sample or temp blank when opened: 1.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES NO NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment

Loc: 490
25431

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 4/30/2013 @ 0830

1. Tracking # 6000 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 17610176

2. Temperature of rep. sample or temp blank when opened: 1-6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

5/28/2013

1 2 3 4 5 6 7 8 9 10 11 12 13

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIR

Loc: 490
25431

5/28/2013

Client Information	Sampler: Ian Martz	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 490-10391-4679.1
Client Contact: Chuck Castelluccio	Phone: 978-322-4526	E-Mail: shali.brown@testamericainc.com		Page: 1 of 1
Company: ARCADIS U.S., Inc.				Job #:
Address: 1 Executive Drive Suite 303	Due Date Requested: 5/6/13			
City: Chelmsford	TAT Requested (days): 5			
State, Zip: MA, 01824				
Phone: 781-213-4962	PO #: Purchase Order Requested			
Email: chuck.castelluccio@arcadis-us.com	WO #:			
Project Name: FORD Tibbetts Road Site E101274	Project #: 49002494			
Site: Tibbetts Road Site	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - (MOD) New Hampshire Volatiles List	8015B_DRO	8082 PCBs	Total Number of containers	Special Instructions/Note:	
			Preservation Code:									
HP-22 (9-10)	4/29/13	0857	G	S	N	N	X	X	X		Hold PCBs/DRO	1
HP-23 (12-13)	4/29/13	0939	G	S	N	N	X	X	X		Hold PCBs/DRO	2
HP-26 (5-6)	4/29/13	1020	G	S	N	N	X	X	X		Hold PCBs/DRO	3
HP-25 (4-5)	4/29/13	1102	G	S	N	N	X	X	X		Hold PCBs/DRO	4
HP-24 (6-7)	4/29/13	1201	G	S	N	N	X	X	X		Hold PCBs/DRO	5
HP-03-2 (9-10)	4/29/13	1218	G	S	N	N	X	X	X		Hold PCBs/DRO	6
HP-27 (6-7)	4/29/13	1248	G	S	N	N	X	X	X		Hold PCBs/DRO	7
HP-30 (6-7)	4/29/13	1332	G	S	N	N	X	X	X		Hold PCBs/DRO	8
HP-31 (7-8)	4/29/13	1353	G	S	N	N	X	X	X		Hold PCBs/DRO	9
HP-29 (7-8)	4/29/13	1417	G	S	N	N	X	X	X		Hold PCBs/DRO	10
HP-28 (6-7)	4/29/13	1506	G	S	N	N	X	X	X		Hold PCBs/DRO	11

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, (II), III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 4/29/13 @ 1700	Company: ARCADIS	Received by: [signature]	Date/Time: 4-30-13 @ 0830	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 1.2/1.6c

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 490-25431-3
SDG Number: MA000725.0008.0107

Login Number: 25431
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
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TestAmerica Job ID: 490-28559-1
TestAmerica Sample Delivery Group: MA000725.0008.00109
Client Project/Site: FORD Tibbetts Road Site E101274
Revision: 1

For:
ARCADIS U.S., Inc.
1 Executive Drive
Suite 303
Chelmsford, Massachusetts 01824

Attn: Chuck Castelluccio

Authorized for release by:
6/28/2013 2:20:51 PM

Shali Brown, Project Manager I
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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-28559-1	NE BOT	Soil	06/05/13 15:15	06/11/13 08:30
490-28559-2	NW COR BOT	Soil	06/05/13 15:30	06/11/13 08:30
490-28559-3	EAST WALL	Soil	06/06/13 14:45	06/11/13 08:30
490-28559-4	WEST WALL	Soil	06/05/13 16:00	06/11/13 08:30
490-28559-5	NW WALL	Soil	06/05/13 15:40	06/11/13 08:30
490-28559-6	OB EXC GW	Ground Water	06/07/13 11:20	06/11/13 08:30
490-28559-7	TRIP BLANK (SOIL)	Soil	06/07/13 00:01	06/11/13 08:30
490-28559-8	TRIP BLANK (W)	Water	06/07/13 00:01	06/11/13 08:30

Job ID: 490-28559-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-28559-1

Comments
062813 Revised report to add 34 compounds to the 8260 volatiles list at client request. This report replaces the report previously generated on 062013.

Receipt
The samples were received on 6/11/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 86760 recovered outside control limits for the following analytes: 1,1-dichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 86760 was outside control limits for chloroethane. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 86760 were outside control limits. This analytes was biased high in the LCSD and was not detected in the associated samples.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: NE BOT
Date Collected: 06/05/13 15:15
Date Received: 06/11/13 08:30

Lab Sample ID: 490-28559-1
Matrix: Soil
Percent Solids: 87.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.93	2.35	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Benzene	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Bromobenzene	ND		0.117	0.0422	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Bromochloromethane	ND		0.117	0.0329	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Bromoform	ND		0.117	0.0329	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Bromomethane	ND		0.117	0.0704	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
2-Butanone (MEK)	ND		2.93	0.305	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Carbon disulfide	ND		0.293	0.211	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Carbon tetrachloride	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Chlorobenzene	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Chlorodibromomethane	ND		0.117	0.0199	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Chloroethane	ND		0.293	0.111	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Chloroform	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Chloromethane	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
2-Chlorotoluene	ND		0.117	0.0540	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
4-Chlorotoluene	ND		0.117	0.0493	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
cis-1,2-Dichloroethene	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
cis-1,3-Dichloropropene	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,2-Dibromo-3-Chloropropane	ND		0.293	0.0411	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,2-Dibromoethane (EDB)	ND		0.117	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Dibromomethane	ND		0.117	0.0329	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,3-Dichlorobenzene	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,2-Dichlorobenzene	ND		0.117	0.0199	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,4-Dichlorobenzene	ND		0.117	0.0552	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Dichlorobromomethane	ND		0.117	0.0329	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Dichlorodifluoromethane	ND		0.117	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,1-Dichloroethane	ND		0.117	0.0393	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,2-Dichloroethane	**0.0785**	**J**	0.117	0.0393	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,1-Dichloroethene	ND	*	0.117	0.0340	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,2-Dichloropropane	ND		0.117	0.0552	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
2,2-Dichloropropane	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,3-Dichloropropane	ND		0.117	0.0552	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,1-Dichloropropene	ND		0.117	0.0305	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Diethyl ether	ND		0.587	0.199	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Diisopropyl ether	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Ethylbenzene	**0.975**		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Ethyl tert-butyl ether	ND		0.293	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Hexachlorobutadiene	ND		0.293	0.0645	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
2-Hexanone	ND		2.93	0.986	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Isopropylbenzene	**0.155**		0.117	0.0246	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Methylene Chloride	ND		0.587	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
4-Methyl-2-pentanone (MIBK)	ND		2.93	0.997	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Methyl tert-butyl ether	ND		0.117	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
m-Xylene & p-Xylene	**4.42**		0.176	0.0329	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Naphthalene	**0.401**		0.293	0.0997	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
n-Butylbenzene	**0.280**		0.117	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
N-Propylbenzene	**0.124**		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
o-Xylene	**1.63**		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
p-Isopropyltoluene	**0.0941**	**J**	0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: NE BOT

Date Collected: 06/05/13 15:15
Date Received: 06/11/13 08:30

Lab Sample ID: 490-28559-1

Matrix: Soil
Percent Solids: 87.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**0.0599**	**J**	0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Styrene	ND		0.117	0.0645	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Tert-amyl methyl ether	ND		0.117	0.0188	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
tert-Butyl alcohol (TBA)	ND		2.93	0.657	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
tert-Butylbenzene	ND		0.117	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,1,1,2-Tetrachloroethane	ND		0.117	0.0393	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,1,2,2-Tetrachloroethane	ND		0.117	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Tetrachloroethene	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Tetrahydrofuran	ND		1.17	0.552	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Toluene	**0.757**		0.117	0.0434	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
trans-1,2-Dichloroethene	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
trans-1,3-Dichloropropene	ND		0.117	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,3,5-Trichlorobenzene	ND		0.117	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,2,4-Trichlorobenzene	ND		0.117	0.0393	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,2,3-Trichlorobenzene	ND		0.117	0.0223	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,1,1-Trichloroethane	ND		0.117	0.0540	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,1,2-Trichloroethane	ND		0.293	0.0821	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Trichloroethene	ND		0.117	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Trichlorofluoromethane	ND		0.117	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,2,3-Trichloropropane	**0.0338**	**J**	0.117	0.0329	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,2,4-Trimethylbenzene	**1.13**		0.117	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
1,3,5-Trimethylbenzene	**0.372**		0.117	0.0446	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Vinyl chloride	ND		0.117	0.0645	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1
Xylenes, Total	**6.05**		0.293	0.0399	mg/Kg	☼	06/12/13 10:06	06/17/13 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/12/13 10:06*	*06/17/13 14:29*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*06/12/13 10:06*	*06/17/13 14:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*06/12/13 10:06*	*06/17/13 14:29*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*06/12/13 10:06*	*06/17/13 14:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88**		0.10	0.10	%			06/12/13 14:23	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: NW COR BOT

Date Collected: 06/05/13 15:30
Date Received: 06/11/13 08:30

Lab Sample ID: 490-28559-2

Matrix: Soil
Percent Solids: 90.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		3.04	2.43	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Benzene	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Bromobenzene	ND		0.122	0.0438	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Bromochloromethane	ND		0.122	0.0341	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Bromoform	ND		0.122	0.0341	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Bromomethane	ND		0.122	0.0730	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
2-Butanone (MEK)	ND		3.04	0.316	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Carbon disulfide	ND		0.304	0.219	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Carbon tetrachloride	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Chlorobenzene	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Chlorodibromomethane	ND		0.122	0.0207	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Chloroethane	ND		0.304	0.116	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Chloroform	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Chloromethane	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
2-Chlorotoluene	ND		0.122	0.0559	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
4-Chlorotoluene	ND		0.122	0.0511	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
cis-1,2-Dichloroethene	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
cis-1,3-Dichloropropene	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,2-Dibromo-3-Chloropropane	ND		0.304	0.0426	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,2-Dibromoethane (EDB)	ND		0.122	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Dibromomethane	ND		0.122	0.0341	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,3-Dichlorobenzene	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,2-Dichlorobenzene	ND		0.122	0.0207	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,4-Dichlorobenzene	ND		0.122	0.0572	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Dichlorobromomethane	ND		0.122	0.0341	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Dichlorodifluoromethane	ND		0.122	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,1-Dichloroethane	ND		0.122	0.0407	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,2-Dichloroethane	**0.0840**	**J**	0.122	0.0407	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,1-Dichloroethene	ND	*	0.122	0.0353	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,2-Dichloropropane	ND		0.122	0.0572	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
2,2-Dichloropropane	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,3-Dichloropropane	ND		0.122	0.0572	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,1-Dichloropropene	ND		0.122	0.0316	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Diethyl ether	ND		0.608	0.207	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Diisopropyl ether	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Ethylbenzene	**0.0762**	**J**	0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Ethyl tert-butyl ether	ND		0.304	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Hexachlorobutadiene	ND		0.304	0.0669	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
2-Hexanone	ND		3.04	1.02	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Isopropylbenzene	ND		0.122	0.0255	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Methylene Chloride	ND		0.608	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
4-Methyl-2-pentanone (MIBK)	ND		3.04	1.03	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Methyl tert-butyl ether	ND		0.122	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
m-Xylene & p-Xylene	**0.283**		0.182	0.0341	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Naphthalene	ND		0.304	0.103	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
n-Butylbenzene	ND		0.122	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
N-Propylbenzene	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
o-Xylene	**0.137**		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
p-Isopropyltoluene	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: NW COR BOT

Date Collected: 06/05/13 15:30
Date Received: 06/11/13 08:30

Lab Sample ID: 490-28559-2

Matrix: Soil
Percent Solids: 90.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Styrene	ND		0.122	0.0669	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Tert-amyl methyl ether	ND		0.122	0.0195	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
tert-Butyl alcohol (TBA)	ND		3.04	0.681	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
tert-Butylbenzene	ND		0.122	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,1,1,2-Tetrachloroethane	ND		0.122	0.0407	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,1,2,2-Tetrachloroethane	ND		0.122	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Tetrachloroethene	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Tetrahydrofuran	ND		1.22	0.572	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Toluene	**0.179**		0.122	0.0450	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
trans-1,2-Dichloroethene	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
trans-1,3-Dichloropropene	ND		0.122	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,3,5-Trichlorobenzene	ND		0.122	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,2,4-Trichlorobenzene	ND		0.122	0.0407	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,2,3-Trichlorobenzene	ND		0.122	0.0231	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,1,1-Trichloroethane	ND		0.122	0.0559	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,1,2-Trichloroethane	ND		0.304	0.0851	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Trichloroethene	ND		0.122	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Trichlorofluoromethane	ND		0.122	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,2,3-Trichloropropane	ND		0.122	0.0341	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,2,4-Trimethylbenzene	**0.0813**	**J**	0.122	0.0608	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
1,3,5-Trimethylbenzene	ND		0.122	0.0462	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Vinyl chloride	ND		0.122	0.0669	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1
Xylenes, Total	**0.420**		0.304	0.0414	mg/Kg	☼	06/12/13 10:06	06/17/13 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:05*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:05*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90**		0.10	0.10	%			06/12/13 14:23	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: EAST WALL

Lab Sample ID: 490-28559-3

Date Collected: 06/06/13 14:45
Date Received: 06/11/13 08:30

Matrix: Soil
Percent Solids: 90.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.45	1.96	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Benzene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Bromobenzene	ND		0.0979	0.0352	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Bromochloromethane	ND		0.0979	0.0274	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Bromoform	ND		0.0979	0.0274	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Bromomethane	ND		0.0979	0.0587	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
2-Butanone (MEK)	ND		2.45	0.254	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Carbon disulfide	ND		0.245	0.176	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Carbon tetrachloride	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Chlorobenzene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Chlorodibromomethane	ND		0.0979	0.0166	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Chloroethane	ND		0.245	0.0930	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Chloroform	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Chloromethane	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
2-Chlorotoluene	ND		0.0979	0.0450	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
4-Chlorotoluene	ND		0.0979	0.0411	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
cis-1,2-Dichloroethene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
cis-1,3-Dichloropropene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,2-Dibromo-3-Chloropropane	ND		0.245	0.0343	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,2-Dibromoethane (EDB)	ND		0.0979	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Dibromomethane	ND		0.0979	0.0274	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,3-Dichlorobenzene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,2-Dichlorobenzene	ND		0.0979	0.0166	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,4-Dichlorobenzene	ND		0.0979	0.0460	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Dichlorobromomethane	ND		0.0979	0.0274	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Dichlorodifluoromethane	ND		0.0979	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,1-Dichloroethane	ND		0.0979	0.0328	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,2-Dichloroethane	**0.0665**	**J**	0.0979	0.0328	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,1-Dichloroethene	ND	*	0.0979	0.0284	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,2-Dichloropropane	ND		0.0979	0.0460	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
2,2-Dichloropropane	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,3-Dichloropropane	ND		0.0979	0.0460	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,1-Dichloropropene	ND		0.0979	0.0254	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Diethyl ether	ND		0.489	0.166	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Diisopropyl ether	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Ethylbenzene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Ethyl tert-butyl ether	ND		0.245	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Hexachlorobutadiene	ND		0.245	0.0538	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
2-Hexanone	ND		2.45	0.822	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Isopropylbenzene	ND		0.0979	0.0206	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Methylene Chloride	ND		0.489	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
4-Methyl-2-pentanone (MIBK)	ND		2.45	0.832	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Methyl tert-butyl ether	ND		0.0979	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
m-Xylene & p-Xylene	ND		0.147	0.0274	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Naphthalene	ND		0.245	0.0832	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
n-Butylbenzene	ND		0.0979	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
N-Propylbenzene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
o-Xylene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
p-Isopropyltoluene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: EAST WALL

Date Collected: 06/06/13 14:45
Date Received: 06/11/13 08:30

Lab Sample ID: 490-28559-3

Matrix: Soil
Percent Solids: 90.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Styrene	ND		0.0979	0.0538	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Tert-amyl methyl ether	ND		0.0979	0.0157	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
tert-Butyl alcohol (TBA)	ND		2.45	0.548	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
tert-Butylbenzene	ND		0.0979	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,1,1,2-Tetrachloroethane	ND		0.0979	0.0328	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,1,2,2-Tetrachloroethane	ND		0.0979	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Tetrachloroethene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Tetrahydrofuran	ND		0.979	0.460	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Toluene	ND		0.0979	0.0362	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
trans-1,2-Dichloroethene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
trans-1,3-Dichloropropene	ND		0.0979	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,3,5-Trichlorobenzene	ND		0.0979	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,2,4-Trichlorobenzene	ND		0.0979	0.0328	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,2,3-Trichlorobenzene	ND		0.0979	0.0186	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,1,1-Trichloroethane	ND		0.0979	0.0450	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,1,2-Trichloroethane	ND		0.245	0.0685	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Trichloroethene	ND		0.0979	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Trichlorofluoromethane	ND		0.0979	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,2,3-Trichloropropane	ND		0.0979	0.0274	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,2,4-Trimethylbenzene	ND		0.0979	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
1,3,5-Trimethylbenzene	ND		0.0979	0.0372	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Vinyl chloride	ND		0.0979	0.0538	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1
Xylenes, Total	ND		0.245	0.0333	mg/Kg	☼	06/12/13 10:06	06/17/13 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:31*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:31*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90**		0.10	0.10	%			06/12/13 14:23	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: WEST WALL

Date Collected: 06/05/13 16:00
Date Received: 06/11/13 08:30

Lab Sample ID: 490-28559-4
Matrix: Soil
Percent Solids: 88.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		3.22	2.57	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Benzene	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Bromobenzene	ND		0.129	0.0463	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Bromochloromethane	ND		0.129	0.0360	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Bromoform	ND		0.129	0.0360	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Bromomethane	ND		0.129	0.0772	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
2-Butanone (MEK)	ND		3.22	0.335	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Carbon disulfide	ND		0.322	0.232	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Carbon tetrachloride	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Chlorobenzene	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Chlorodibromomethane	ND		0.129	0.0219	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Chloroethane	ND		0.322	0.122	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Chloroform	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Chloromethane	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
2-Chlorotoluene	ND		0.129	0.0592	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
4-Chlorotoluene	ND		0.129	0.0540	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
cis-1,2-Dichloroethene	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
cis-1,3-Dichloropropene	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,2-Dibromo-3-Chloropropane	ND		0.322	0.0450	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,2-Dibromoethane (EDB)	ND		0.129	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Dibromomethane	ND		0.129	0.0360	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,3-Dichlorobenzene	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,2-Dichlorobenzene	ND		0.129	0.0219	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,4-Dichlorobenzene	ND		0.129	0.0605	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Dichlorobromomethane	ND		0.129	0.0360	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Dichlorodifluoromethane	ND		0.129	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,1-Dichloroethane	ND		0.129	0.0431	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,2-Dichloroethane	**0.0903**	**J**	0.129	0.0431	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,1-Dichloroethene	ND	*	0.129	0.0373	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,2-Dichloropropane	ND		0.129	0.0605	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
2,2-Dichloropropane	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,3-Dichloropropane	ND		0.129	0.0605	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,1-Dichloropropene	ND		0.129	0.0335	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Diethyl ether	ND		0.643	0.219	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Diisopropyl ether	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Ethylbenzene	**0.162**		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Ethyl tert-butyl ether	ND		0.322	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Hexachlorobutadiene	ND		0.322	0.0708	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
2-Hexanone	ND		3.22	1.08	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Isopropylbenzene	ND		0.129	0.0270	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Methylene Chloride	ND		0.643	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
4-Methyl-2-pentanone (MIBK)	ND		3.22	1.09	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Methyl tert-butyl ether	ND		0.129	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
m-Xylene & p-Xylene	**0.623**		0.193	0.0360	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Naphthalene	ND		0.322	0.109	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
n-Butylbenzene	**0.0742**	**J**	0.129	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
N-Propylbenzene	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
o-Xylene	**0.276**		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
p-Isopropyltoluene	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: WEST WALL

Date Collected: 06/05/13 16:00
Date Received: 06/11/13 08:30

Lab Sample ID: 490-28559-4

Matrix: Soil
Percent Solids: 88.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Styrene	ND		0.129	0.0708	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Tert-amyl methyl ether	ND		0.129	0.0206	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
tert-Butyl alcohol (TBA)	ND		3.22	0.721	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
tert-Butylbenzene	ND		0.129	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,1,1,2-Tetrachloroethane	ND		0.129	0.0431	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,1,2,2-Tetrachloroethane	ND		0.129	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Tetrachloroethene	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Tetrahydrofuran	ND		1.29	0.605	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Toluene	**0.130**		0.129	0.0476	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
trans-1,2-Dichloroethene	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
trans-1,3-Dichloropropene	ND		0.129	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,3,5-Trichlorobenzene	ND		0.129	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,2,4-Trichlorobenzene	ND		0.129	0.0431	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,2,3-Trichlorobenzene	ND		0.129	0.0244	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,1,1-Trichloroethane	ND		0.129	0.0592	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,1,2-Trichloroethane	ND		0.322	0.0901	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Trichloroethene	ND		0.129	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Trichlorofluoromethane	ND		0.129	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,2,3-Trichloropropane	**0.0550**	**J**	0.129	0.0360	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,2,4-Trimethylbenzene	**0.188**		0.129	0.0643	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
1,3,5-Trimethylbenzene	**0.0693**	**J**	0.129	0.0489	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Vinyl chloride	ND		0.129	0.0708	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1
Xylenes, Total	**0.899**		0.322	0.0437	mg/Kg	☼	06/12/13 10:06	06/17/13 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:57*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:57*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*06/12/13 10:06*	*06/17/13 17:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89**		0.10	0.10	%			06/12/13 14:23	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: NW WALL

Date Collected: 06/05/13 15:40
Date Received: 06/11/13 08:30

Lab Sample ID: 490-28559-5
Matrix: Soil
Percent Solids: 96.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.95	2.36	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Benzene	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Bromobenzene	ND		0.118	0.0424	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Bromochloromethane	ND		0.118	0.0330	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Bromoform	ND		0.118	0.0330	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Bromomethane	ND		0.118	0.0707	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
2-Butanone (MEK)	ND		2.95	0.306	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Carbon disulfide	ND		0.295	0.212	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Carbon tetrachloride	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Chlorobenzene	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Chlorodibromomethane	ND		0.118	0.0200	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Chloroethane	ND		0.295	0.112	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Chloroform	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Chloromethane	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
2-Chlorotoluene	**0.0780**	**J**	0.118	0.0542	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
4-Chlorotoluene	**0.0685**	**J**	0.118	0.0495	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
cis-1,2-Dichloroethene	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
cis-1,3-Dichloropropene	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,2-Dibromo-3-Chloropropane	ND		0.295	0.0412	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,2-Dibromoethane (EDB)	ND		0.118	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Dibromomethane	ND		0.118	0.0330	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,3-Dichlorobenzene	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,2-Dichlorobenzene	ND		0.118	0.0200	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,4-Dichlorobenzene	ND		0.118	0.0554	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Dichlorobromomethane	ND		0.118	0.0330	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Dichlorodifluoromethane	ND		0.118	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,1-Dichloroethane	ND		0.118	0.0395	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,2-Dichloroethane	**0.0834**	**J**	0.118	0.0395	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,1-Dichloroethene	ND	*	0.118	0.0342	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,2-Dichloropropane	ND		0.118	0.0554	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
2,2-Dichloropropane	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,3-Dichloropropane	ND		0.118	0.0554	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,1-Dichloropropene	ND		0.118	0.0306	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Diethyl ether	ND		0.589	0.200	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Diisopropyl ether	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Ethylbenzene	**1.39**		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Ethyl tert-butyl ether	ND		0.295	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Hexachlorobutadiene	ND		0.295	0.0648	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
2-Hexanone	ND		2.95	0.990	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Isopropylbenzene	**0.180**		0.118	0.0247	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Methylene Chloride	ND		0.589	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
4-Methyl-2-pentanone (MIBK)	ND		2.95	1.00	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Methyl tert-butyl ether	ND		0.118	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
m-Xylene & p-Xylene	**4.87**		0.177	0.0330	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Naphthalene	**0.649**		0.295	0.100	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
n-Butylbenzene	**0.126**		0.118	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
N-Propylbenzene	**0.179**		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
o-Xylene	**1.76**		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
p-Isopropyltoluene	**0.183**		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: NW WALL

Date Collected: 06/05/13 15:40
Date Received: 06/11/13 08:30

Lab Sample ID: 490-28559-5
Matrix: Soil
Percent Solids: 96.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**0.0705**	**J**	0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Styrene	ND		0.118	0.0648	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Tert-amyl methyl ether	ND		0.118	0.0189	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
tert-Butyl alcohol (TBA)	ND		2.95	0.660	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
tert-Butylbenzene	ND		0.118	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,1,1,2-Tetrachloroethane	ND		0.118	0.0395	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,1,2,2-Tetrachloroethane	**0.0805**	**J**	0.118	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Tetrachloroethene	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Tetrahydrofuran	ND		1.18	0.554	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Toluene	**1.21**		0.118	0.0436	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
trans-1,2-Dichloroethene	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
trans-1,3-Dichloropropene	ND		0.118	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,3,5-Trichlorobenzene	ND		0.118	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,2,4-Trichlorobenzene	ND		0.118	0.0395	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,2,3-Trichlorobenzene	ND		0.118	0.0224	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,1,1-Trichloroethane	ND		0.118	0.0542	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,1,2-Trichloroethane	**0.588**		0.295	0.0825	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Trichloroethene	ND		0.118	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Trichlorofluoromethane	ND		0.118	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,2,3-Trichloropropane	**0.641**		0.118	0.0330	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,2,4-Trimethylbenzene	**1.31**		0.118	0.0589	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
1,3,5-Trimethylbenzene	**0.521**		0.118	0.0448	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Vinyl chloride	ND		0.118	0.0648	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1
Xylenes, Total	**6.63**		0.295	0.0401	mg/Kg	☼	06/12/13 10:06	06/17/13 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/12/13 10:06*	*06/17/13 18:23*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*06/12/13 10:06*	*06/17/13 18:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*06/12/13 10:06*	*06/17/13 18:23*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*	*06/12/13 10:06*	*06/17/13 18:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**97**		0.10	0.10	%			06/12/13 14:23	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: OB EXC GW

Date Collected: 06/07/13 11:20
Date Received: 06/11/13 08:30

Lab Sample ID: 490-28559-6

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**25.6**	**J**	50.0	2.66	ug/L			06/18/13 01:55	1
Benzene	ND		0.500	0.200	ug/L			06/18/13 01:55	1
Bromobenzene	ND		0.500	0.210	ug/L			06/18/13 01:55	1
Bromoform	ND		0.500	0.290	ug/L			06/18/13 01:55	1
Bromomethane	ND		0.500	0.350	ug/L			06/18/13 01:55	1
2-Butanone (MEK)	**38.9**	**J**	50.0	2.64	ug/L			06/18/13 01:55	1
Carbon disulfide	ND		0.500	0.220	ug/L			06/18/13 01:55	1
Carbon tetrachloride	ND		0.500	0.180	ug/L			06/18/13 01:55	1
Chlorobenzene	ND		0.500	0.180	ug/L			06/18/13 01:55	1
Chlorobromomethane	ND		0.500	0.330	ug/L			06/18/13 01:55	1
Chlorodibromomethane	ND		0.500	0.250	ug/L			06/18/13 01:55	1
Chloroethane	ND		0.500	0.360	ug/L			06/18/13 01:55	1
Chloroform	ND		0.500	0.230	ug/L			06/18/13 01:55	1
Chloromethane	ND		0.500	0.300	ug/L			06/18/13 01:55	1
2-Chlorotoluene	ND		0.500	0.180	ug/L			06/18/13 01:55	1
4-Chlorotoluene	ND		0.500	0.170	ug/L			06/18/13 01:55	1
cis-1,2-Dichloroethene	ND		0.500	0.210	ug/L			06/18/13 01:55	1
cis-1,3-Dichloropropene	ND		0.500	0.120	ug/L			06/18/13 01:55	1
1,2-Dibromo-3-Chloropropane	ND		5.00	4.21	ug/L			06/18/13 01:55	1
1,2-Dibromoethane (EDB)	ND		0.500	0.140	ug/L			06/18/13 01:55	1
Dibromomethane	ND		0.500	0.310	ug/L			06/18/13 01:55	1
1,3-Dichlorobenzene	ND		0.500	0.180	ug/L			06/18/13 01:55	1
1,2-Dichlorobenzene	ND		0.500	0.190	ug/L			06/18/13 01:55	1
1,4-Dichlorobenzene	ND		0.500	0.130	ug/L			06/18/13 01:55	1
Dichlorobromomethane	ND		0.500	0.110	ug/L			06/18/13 01:55	1
Dichlorodifluoromethane	ND		0.500	0.440	ug/L			06/18/13 01:55	1
1,1-Dichloroethane	ND		0.500	0.240	ug/L			06/18/13 01:55	1
1,2-Dichloroethane	ND		0.500	0.200	ug/L			06/18/13 01:55	1
1,1-Dichloroethene	ND		0.500	0.250	ug/L			06/18/13 01:55	1
1,2-Dichloropropane	ND		0.500	0.250	ug/L			06/18/13 01:55	1
2,2-Dichloropropane	ND		0.500	0.160	ug/L			06/18/13 01:55	1
1,3-Dichloropropane	ND		0.500	0.190	ug/L			06/18/13 01:55	1
1,1-Dichloropropene	ND		0.500	0.200	ug/L			06/18/13 01:55	1
Ethylbenzene	ND		0.500	0.190	ug/L			06/18/13 01:55	1
Ethyl ether	ND		5.00	0.160	ug/L			06/18/13 01:55	1
Hexachlorobutadiene	ND		1.00	0.210	ug/L			06/18/13 01:55	1
2-Hexanone	ND		10.0	1.28	ug/L			06/18/13 01:55	1
Isopropylbenzene	ND		1.00	0.170	ug/L			06/18/13 01:55	1
Isopropyl ether	ND		0.500	0.0900	ug/L			06/18/13 01:55	1
4-Isopropyltoluene	ND		0.500	0.170	ug/L			06/18/13 01:55	1
Methylene Chloride	**2.18**	**J**	5.00	0.160	ug/L			06/18/13 01:55	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			06/18/13 01:55	1
Methyl tert-butyl ether	ND		0.500	0.120	ug/L			06/18/13 01:55	1
m-Xylene & p-Xylene	ND		0.500	0.380	ug/L			06/18/13 01:55	1
Naphthalene	ND		5.00	0.210	ug/L			06/18/13 01:55	1
n-Butylbenzene	ND		0.500	0.240	ug/L			06/18/13 01:55	1
N-Propylbenzene	ND		0.500	0.170	ug/L			06/18/13 01:55	1
o-Xylene	ND		0.500	0.180	ug/L			06/18/13 01:55	1
sec-Butylbenzene	ND		0.500	0.170	ug/L			06/18/13 01:55	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: OB EXC GW

Date Collected: 06/07/13 11:20
Date Received: 06/11/13 08:30

Lab Sample ID: 490-28559-6

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.500	0.200	ug/L			06/18/13 01:55	1
Tert-amyl methyl ether	ND		0.500	0.120	ug/L			06/18/13 01:55	1
tert-Butyl alcohol (TBA)	ND	*	10.0	3.90	ug/L			06/18/13 01:55	1
tert-Butylbenzene	ND		0.500	0.170	ug/L			06/18/13 01:55	1
Tert-butyl ethyl ether	ND		0.500	0.210	ug/L			06/18/13 01:55	1
1,1,1,2-Tetrachloroethane	ND		0.500	0.150	ug/L			06/18/13 01:55	1
1,1,2,2-Tetrachloroethane	ND		0.500	0.190	ug/L			06/18/13 01:55	1
Tetrachloroethene	ND		0.500	0.250	ug/L			06/18/13 01:55	1
Tetrahydrofuran	**379**		20.0	2.84	ug/L			06/18/13 01:55	1
Toluene	ND		0.500	0.170	ug/L			06/18/13 01:55	1
trans-1,2-Dichloroethene	ND		0.500	0.230	ug/L			06/18/13 01:55	1
trans-1,3-Dichloropropene	ND		0.500	0.110	ug/L			06/18/13 01:55	1
1,3,5-Trichlorobenzene	ND		0.500	0.180	ug/L			06/18/13 01:55	1
1,2,4-Trichlorobenzene	ND		0.500	0.150	ug/L			06/18/13 01:55	1
1,2,3-Trichlorobenzene	ND		0.500	0.230	ug/L			06/18/13 01:55	1
1,1,1-Trichloroethane	ND		0.500	0.190	ug/L			06/18/13 01:55	1
1,1,2-Trichloroethane	ND		0.500	0.190	ug/L			06/18/13 01:55	1
Trichloroethene	ND		0.500	0.200	ug/L			06/18/13 01:55	1
Trichlorofluoromethane	ND		0.500	0.210	ug/L			06/18/13 01:55	1
1,2,3-Trichloropropane	ND		0.500	0.230	ug/L			06/18/13 01:55	1
1,2,4-Trimethylbenzene	ND		0.500	0.170	ug/L			06/18/13 01:55	1
1,3,5-Trimethylbenzene	ND		0.500	0.150	ug/L			06/18/13 01:55	1
Vinyl chloride	ND		0.500	0.180	ug/L			06/18/13 01:55	1
Xylenes, Total	ND		0.500	0.180	ug/L			06/18/13 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*06/18/13 01:55*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*06/18/13 01:55*	*1*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*06/18/13 01:55*	*1*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*06/18/13 01:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 130*		*06/18/13 01:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 130*		*06/18/13 01:55*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*06/18/13 01:55*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*06/18/13 01:55*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: TRIP BLANK (SOIL)

Lab Sample ID: 490-28559-7

Date Collected: 06/07/13 00:01
Matrix: Soil
Date Received: 06/11/13 08:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	2.00	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Benzene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Bromobenzene	ND		0.100	0.0360	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Bromochloromethane	ND		0.100	0.0280	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Bromoform	ND		0.100	0.0280	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Bromomethane	ND		0.100	0.0600	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
2-Butanone (MEK)	ND		2.50	0.260	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Carbon disulfide	ND		0.250	0.180	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Carbon tetrachloride	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Chlorobenzene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Chlorodibromomethane	ND		0.100	0.0170	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Chloroethane	ND		0.250	0.0950	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Chloroform	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Chloromethane	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
2-Chlorotoluene	ND		0.100	0.0460	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
4-Chlorotoluene	ND		0.100	0.0420	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
cis-1,2-Dichloroethene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
cis-1,3-Dichloropropene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,2-Dibromo-3-Chloropropane	ND		0.250	0.0350	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,2-Dibromoethane (EDB)	ND		0.100	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Dibromomethane	ND		0.100	0.0280	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,3-Dichlorobenzene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,2-Dichlorobenzene	ND		0.100	0.0170	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,4-Dichlorobenzene	ND		0.100	0.0470	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Dichlorobromomethane	ND		0.100	0.0280	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Dichlorodifluoromethane	ND		0.100	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,1-Dichloroethane	ND		0.100	0.0335	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,2-Dichloroethane	**0.0656**	**J**	0.100	0.0335	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,1-Dichloroethene	ND	*	0.100	0.0290	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,2-Dichloropropane	ND		0.100	0.0470	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
2,2-Dichloropropane	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,3-Dichloropropane	ND		0.100	0.0470	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,1-Dichloropropene	ND		0.100	0.0260	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Diethyl ether	ND		0.500	0.170	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Diisopropyl ether	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Ethylbenzene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Ethyl tert-butyl ether	ND		0.250	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Hexachlorobutadiene	ND		0.250	0.0550	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
2-Hexanone	ND		2.50	0.840	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Isopropylbenzene	ND		0.100	0.0210	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Methylene Chloride	ND		0.500	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
4-Methyl-2-pentanone (MIBK)	ND		2.50	0.850	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Methyl tert-butyl ether	ND		0.100	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
m-Xylene & p-Xylene	ND		0.150	0.0280	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Naphthalene	ND		0.250	0.0850	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
n-Butylbenzene	ND		0.100	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
N-Propylbenzene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
o-Xylene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
p-Isopropyltoluene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: TRIP BLANK (SOIL)

Lab Sample ID: 490-28559-7

Date Collected: 06/07/13 00:01
Matrix: Soil
Date Received: 06/11/13 08:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Styrene	ND		0.100	0.0550	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Tert-amyl methyl ether	ND		0.100	0.0160	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
tert-Butyl alcohol (TBA)	ND		2.50	0.560	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
tert-Butylbenzene	ND		0.100	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,1,1,2-Tetrachloroethane	ND		0.100	0.0335	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,1,2,2-Tetrachloroethane	ND		0.100	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Tetrachloroethene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Tetrahydrofuran	ND		1.00	0.470	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Toluene	ND		0.100	0.0370	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
trans-1,2-Dichloroethene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
trans-1,3-Dichloropropene	ND		0.100	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,3,5-Trichlorobenzene	ND		0.100	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,2,4-Trichlorobenzene	ND		0.100	0.0335	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,2,3-Trichlorobenzene	ND		0.100	0.0190	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,1,1-Trichloroethane	ND		0.100	0.0460	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,1,2-Trichloroethane	ND		0.250	0.0700	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Trichloroethene	ND		0.100	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Trichlorofluoromethane	ND		0.100	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,2,3-Trichloropropane	ND		0.100	0.0280	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,2,4-Trimethylbenzene	ND		0.100	0.0500	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
1,3,5-Trimethylbenzene	ND		0.100	0.0380	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Vinyl chloride	ND		0.100	0.0550	mg/Kg		06/12/13 10:06	06/17/13 14:02	1
Xylenes, Total	ND		0.250	0.0340	mg/Kg		06/12/13 10:06	06/17/13 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/12/13 10:06*	*06/17/13 14:02*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*06/12/13 10:06*	*06/17/13 14:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*06/12/13 10:06*	*06/17/13 14:02*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*06/12/13 10:06*	*06/17/13 14:02*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: TRIP BLANK (W)

Lab Sample ID: 490-28559-8

Date Collected: 06/07/13 00:01
Matrix: Water
Date Received: 06/11/13 08:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**23.6**	**J**	50.0	2.66	ug/L			06/18/13 01:27	1
Benzene	ND		0.500	0.200	ug/L			06/18/13 01:27	1
Bromobenzene	ND		0.500	0.210	ug/L			06/18/13 01:27	1
Bromoform	ND		0.500	0.290	ug/L			06/18/13 01:27	1
Bromomethane	ND		0.500	0.350	ug/L			06/18/13 01:27	1
2-Butanone (MEK)	**7.23**	**J**	50.0	2.64	ug/L			06/18/13 01:27	1
Carbon disulfide	ND		0.500	0.220	ug/L			06/18/13 01:27	1
Carbon tetrachloride	ND		0.500	0.180	ug/L			06/18/13 01:27	1
Chlorobenzene	ND		0.500	0.180	ug/L			06/18/13 01:27	1
Chlorobromomethane	ND		0.500	0.330	ug/L			06/18/13 01:27	1
Chlorodibromomethane	ND		0.500	0.250	ug/L			06/18/13 01:27	1
Chloroethane	ND		0.500	0.360	ug/L			06/18/13 01:27	1
Chloroform	ND		0.500	0.230	ug/L			06/18/13 01:27	1
Chloromethane	ND		0.500	0.300	ug/L			06/18/13 01:27	1
2-Chlorotoluene	ND		0.500	0.180	ug/L			06/18/13 01:27	1
4-Chlorotoluene	**0.193**	**J**	0.500	0.170	ug/L			06/18/13 01:27	1
cis-1,2-Dichloroethene	ND		0.500	0.210	ug/L			06/18/13 01:27	1
cis-1,3-Dichloropropene	ND		0.500	0.120	ug/L			06/18/13 01:27	1
1,2-Dibromo-3-Chloropropane	ND		5.00	4.21	ug/L			06/18/13 01:27	1
1,2-Dibromoethane (EDB)	ND		0.500	0.140	ug/L			06/18/13 01:27	1
Dibromomethane	ND		0.500	0.310	ug/L			06/18/13 01:27	1
1,3-Dichlorobenzene	ND		0.500	0.180	ug/L			06/18/13 01:27	1
1,2-Dichlorobenzene	ND		0.500	0.190	ug/L			06/18/13 01:27	1
1,4-Dichlorobenzene	ND		0.500	0.130	ug/L			06/18/13 01:27	1
Dichlorobromomethane	ND		0.500	0.110	ug/L			06/18/13 01:27	1
Dichlorodifluoromethane	ND		0.500	0.440	ug/L			06/18/13 01:27	1
1,1-Dichloroethane	ND		0.500	0.240	ug/L			06/18/13 01:27	1
1,2-Dichloroethane	ND		0.500	0.200	ug/L			06/18/13 01:27	1
1,1-Dichloroethene	ND		0.500	0.250	ug/L			06/18/13 01:27	1
1,2-Dichloropropane	ND		0.500	0.250	ug/L			06/18/13 01:27	1
2,2-Dichloropropane	ND		0.500	0.160	ug/L			06/18/13 01:27	1
1,3-Dichloropropane	ND		0.500	0.190	ug/L			06/18/13 01:27	1
1,1-Dichloropropene	ND		0.500	0.200	ug/L			06/18/13 01:27	1
Ethylbenzene	ND		0.500	0.190	ug/L			06/18/13 01:27	1
Ethyl ether	ND		5.00	0.160	ug/L			06/18/13 01:27	1
Hexachlorobutadiene	ND		1.00	0.210	ug/L			06/18/13 01:27	1
2-Hexanone	ND		10.0	1.28	ug/L			06/18/13 01:27	1
Isopropylbenzene	ND		1.00	0.170	ug/L			06/18/13 01:27	1
Isopropyl ether	ND		0.500	0.0900	ug/L			06/18/13 01:27	1
4-Isopropyltoluene	ND		0.500	0.170	ug/L			06/18/13 01:27	1
Methylene Chloride	**1.00**	**J**	5.00	0.160	ug/L			06/18/13 01:27	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			06/18/13 01:27	1
Methyl tert-butyl ether	ND		0.500	0.120	ug/L			06/18/13 01:27	1
m-Xylene & p-Xylene	ND		0.500	0.380	ug/L			06/18/13 01:27	1
Naphthalene	ND		5.00	0.210	ug/L			06/18/13 01:27	1
n-Butylbenzene	ND		0.500	0.240	ug/L			06/18/13 01:27	1
N-Propylbenzene	ND		0.500	0.170	ug/L			06/18/13 01:27	1
o-Xylene	ND		0.500	0.180	ug/L			06/18/13 01:27	1
sec-Butylbenzene	ND		0.500	0.170	ug/L			06/18/13 01:27	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: TRIP BLANK (W)

Lab Sample ID: 490-28559-8

Date Collected: 06/07/13 00:01
Matrix: Water
Date Received: 06/11/13 08:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.500	0.200	ug/L			06/18/13 01:27	1
Tert-amyl methyl ether	ND		0.500	0.120	ug/L			06/18/13 01:27	1
tert-Butyl alcohol (TBA)	**6.64**	**J ***	10.0	3.90	ug/L			06/18/13 01:27	1
tert-Butylbenzene	ND		0.500	0.170	ug/L			06/18/13 01:27	1
Tert-butyl ethyl ether	ND		0.500	0.210	ug/L			06/18/13 01:27	1
1,1,1,2-Tetrachloroethane	ND		0.500	0.150	ug/L			06/18/13 01:27	1
1,1,2,2-Tetrachloroethane	ND		0.500	0.190	ug/L			06/18/13 01:27	1
Tetrachloroethene	ND		0.500	0.250	ug/L			06/18/13 01:27	1
Tetrahydrofuran	**11.2**	**J**	20.0	2.84	ug/L			06/18/13 01:27	1
Toluene	ND		0.500	0.170	ug/L			06/18/13 01:27	1
trans-1,2-Dichloroethene	ND		0.500	0.230	ug/L			06/18/13 01:27	1
trans-1,3-Dichloropropene	ND		0.500	0.110	ug/L			06/18/13 01:27	1
1,3,5-Trichlorobenzene	ND		0.500	0.180	ug/L			06/18/13 01:27	1
1,2,4-Trichlorobenzene	ND		0.500	0.150	ug/L			06/18/13 01:27	1
1,2,3-Trichlorobenzene	ND		0.500	0.230	ug/L			06/18/13 01:27	1
1,1,1-Trichloroethane	ND		0.500	0.190	ug/L			06/18/13 01:27	1
1,1,2-Trichloroethane	ND		0.500	0.190	ug/L			06/18/13 01:27	1
Trichloroethene	ND		0.500	0.200	ug/L			06/18/13 01:27	1
Trichlorofluoromethane	ND		0.500	0.210	ug/L			06/18/13 01:27	1
1,2,3-Trichloropropane	ND		0.500	0.230	ug/L			06/18/13 01:27	1
1,2,4-Trimethylbenzene	ND		0.500	0.170	ug/L			06/18/13 01:27	1
1,3,5-Trimethylbenzene	ND		0.500	0.150	ug/L			06/18/13 01:27	1
Vinyl chloride	ND		0.500	0.180	ug/L			06/18/13 01:27	1
Xylenes, Total	ND		0.500	0.180	ug/L			06/18/13 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*06/18/13 01:27*	*1*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*06/18/13 01:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 130*		*06/18/13 01:27*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*06/18/13 01:27*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 490-28559-1 MS
Matrix: Soil
Analysis Batch: 86760

Client Sample ID: NE BOT
Prep Type: Total/NA
Prep Batch: 85651

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		14.7	17.98		mg/Kg	☼	123	19 - 175
Benzene	ND		2.93	3.756		mg/Kg	☼	128	31 - 143
Bromobenzene	ND		2.93	3.892		mg/Kg	☼	133	12 - 157
Bromochloromethane	ND		2.93	3.492		mg/Kg	☼	119	31 - 141
Bromoform	ND		2.93	2.845		mg/Kg	☼	97	10 - 165
Bromomethane	ND		2.93	1.226		mg/Kg	☼	42	10 - 164
2-Butanone (MEK)	ND		14.7	17.96		mg/Kg	☼	122	18 - 153
Carbon disulfide	ND		2.93	3.613		mg/Kg	☼	123	32 - 144
Carbon tetrachloride	ND		2.93	3.560		mg/Kg	☼	121	31 - 149
Chlorobenzene	ND		2.93	3.565		mg/Kg	☼	122	25 - 152
Chlorodibromomethane	ND		2.93	3.155		mg/Kg	☼	108	14 - 146
Chloroethane	ND		2.93	2.411		mg/Kg	☼	82	10 - 151
Chloroform	ND		2.93	3.764		mg/Kg	☼	128	34 - 160
Chloromethane	ND		2.93	3.456		mg/Kg	☼	118	10 - 156
2-Chlorotoluene	ND		2.93	4.109		mg/Kg	☼	140	20 - 156
4-Chlorotoluene	ND		2.93	4.083		mg/Kg	☼	139	17 - 159
cis-1,2-Dichloroethene	ND		2.93	3.559		mg/Kg	☼	121	36 - 139
cis-1,3-Dichloropropene	ND		2.93	3.505		mg/Kg	☼	119	15 - 166
1,2-Dibromo-3-Chloropropane	ND		2.93	2.904		mg/Kg	☼	99	10 - 147
1,2-Dibromoethane (EDB)	ND		2.93	3.500		mg/Kg	☼	119	18 - 156
Dibromomethane	ND		2.93	3.361		mg/Kg	☼	115	20 - 146
1,3-Dichlorobenzene	ND		2.93	3.719		mg/Kg	☼	127	10 - 162
1,2-Dichlorobenzene	ND		2.93	3.644		mg/Kg	☼	124	10 - 160
1,4-Dichlorobenzene	ND		2.93	3.686		mg/Kg	☼	126	11 - 159
Dichlorobromomethane	ND		2.93	3.460		mg/Kg	☼	118	19 - 148
Dichlorodifluoromethane	ND		2.93	3.618		mg/Kg	☼	123	10 - 143
1,1-Dichloroethane	ND		2.93	3.757		mg/Kg	☼	128	42 - 136
1,2-Dichloroethane	0.0785	J	2.93	3.408		mg/Kg	☼	113	28 - 138
1,1-Dichloroethene	ND	*	2.93	4.339	F	mg/Kg	☼	148	41 - 143
1,2-Dichloropropane	ND		2.93	3.333		mg/Kg	☼	114	20 - 146
2,2-Dichloropropane	ND		2.93	3.691		mg/Kg	☼	126	33 - 148
1,3-Dichloropropane	ND		2.93	3.481		mg/Kg	☼	119	22 - 148
1,1-Dichloropropene	ND		2.93	3.689		mg/Kg	☼	126	38 - 145
Diethyl ether	ND		2.93	3.735		mg/Kg	☼	127	31 - 144
Diisopropyl ether	ND		2.93	3.521		mg/Kg	☼	120	35 - 135
Ethylbenzene	0.975		2.93	4.727		mg/Kg	☼	128	23 - 161
Ethyl tert-butyl ether	ND		2.93	3.500		mg/Kg	☼	119	44 - 143
Hexachlorobutadiene	ND		2.93	3.268		mg/Kg	☼	111	10 - 171
2-Hexanone	ND		14.7	16.88		mg/Kg	☼	115	10 - 169
Isopropylbenzene	0.155		2.93	4.000		mg/Kg	☼	131	23 - 181
Methylene Chloride	ND		2.93	4.187		mg/Kg	☼	143	24 - 182
4-Methyl-2-pentanone (MIBK)	ND		14.7	16.70		mg/Kg	☼	114	10 - 168
Methyl tert-butyl ether	ND		2.93	3.600		mg/Kg	☼	123	28 - 141
m-Xylene & p-Xylene	4.42		5.87	11.57		mg/Kg	☼	122	27 - 162
Naphthalene	0.401		2.93	3.902		mg/Kg	☼	119	10 - 176
n-Butylbenzene	0.280		2.93	4.621		mg/Kg	☼	148	10 - 175
N-Propylbenzene	0.124		2.93	4.230		mg/Kg	☼	140	19 - 162
o-Xylene	1.63		2.93	5.397		mg/Kg	☼	128	18 - 166

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-28559-1 MS — **Client Sample ID: NE BOT**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 86760 — **Prep Batch: 85651**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	0.0941	J	2.93	3.970		mg/Kg	☼	132	12 - 168
sec-Butylbenzene	0.0599	J	2.93	4.252		mg/Kg	☼	143	12 - 170
Styrene	ND		2.93	3.835		mg/Kg	☼	131	10 - 165
Tert-amyl methyl ether	ND		2.93	3.448		mg/Kg	☼	118	38 - 151
tert-Butyl alcohol (TBA)	ND		29.3	25.46		mg/Kg	☼	87	10 - 183
tert-Butylbenzene	ND		2.93	3.938		mg/Kg	☼	134	20 - 164
1,1,1,2-Tetrachloroethane	ND		2.93	3.316		mg/Kg	☼	113	19 - 158
1,1,2,2-Tetrachloroethane	ND		2.93	3.913		mg/Kg	☼	133	10 - 162
Tetrachloroethene	ND		2.93	3.595		mg/Kg	☼	123	33 - 161
Tetrahydrofuran	ND		29.3	33.44		mg/Kg	☼	114	23 - 149
Toluene	0.757		2.93	4.416		mg/Kg	☼	125	30 - 155
trans-1,2-Dichloroethene	ND		2.93	4.042		mg/Kg	☼	138	39 - 140
trans-1,3-Dichloropropene	ND		2.93	3.273		mg/Kg	☼	112	10 - 157
1,3,5-Trichlorobenzene	ND		2.93	2.596		mg/Kg	☼	88	70 - 130
1,2,4-Trichlorobenzene	ND		2.93	3.234		mg/Kg	☼	110	10 - 167
1,2,3-Trichlorobenzene	ND		2.93	3.083		mg/Kg	☼	105	10 - 157
1,1,1-Trichloroethane	ND		2.93	3.720		mg/Kg	☼	127	35 - 149
1,1,2-Trichloroethane	ND		2.93	3.451		mg/Kg	☼	118	19 - 157
Trichloroethene	ND		2.93	3.535		mg/Kg	☼	120	27 - 153
Trichlorofluoromethane	ND		2.93	3.444		mg/Kg	☼	117	25 - 140
1,2,3-Trichloropropane	0.0338	J	2.93	3.608		mg/Kg	☼	122	10 - 157
1,2,4-Trimethylbenzene	1.13		2.93	5.152		mg/Kg	☼	137	14 - 165
1,3,5-Trimethylbenzene	0.372		2.93	4.533		mg/Kg	☼	142	18 - 164
Vinyl chloride	ND		2.93	3.834		mg/Kg	☼	131	20 - 141
Xylenes, Total	6.05		8.80	16.97		mg/Kg	☼	124	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 490-28559-1 MSD — **Client Sample ID: NE BOT**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 86760 — **Prep Batch: 85651**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		14.7	19.57		mg/Kg	☼	133	19 - 175	8	50
Benzene	ND		2.93	3.617		mg/Kg	☼	123	31 - 143	4	50
Bromobenzene	ND		2.93	3.717		mg/Kg	☼	127	12 - 157	5	50
Bromochloromethane	ND		2.93	3.338		mg/Kg	☼	114	31 - 141	4	50
Bromoform	ND		2.93	2.956		mg/Kg	☼	101	10 - 165	4	50
Bromomethane	ND		2.93	1.158		mg/Kg	☼	39	10 - 164	6	50
2-Butanone (MEK)	ND		14.7	17.47		mg/Kg	☼	119	18 - 153	3	50
Carbon disulfide	ND		2.93	3.495		mg/Kg	☼	119	32 - 144	3	50
Carbon tetrachloride	ND		2.93	3.509		mg/Kg	☼	120	31 - 149	1	50
Chlorobenzene	ND		2.93	3.477		mg/Kg	☼	119	25 - 152	3	50
Chlorodibromomethane	ND		2.93	3.098		mg/Kg	☼	106	14 - 146	2	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-28559-1 MSD | **Client Sample ID: NE BOT**
Matrix: Soil | **Prep Type: Total/NA**
Analysis Batch: 86760 | **Prep Batch: 85651**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	ND		2.93	1.029	F	mg/Kg	☼	35	10 - 151	80	50
Chloroform	ND		2.93	3.645		mg/Kg	☼	124	34 - 160	3	49
Chloromethane	ND		2.93	3.345		mg/Kg	☼	114	10 - 156	3	50
2-Chlorotoluene	ND		2.93	3.946		mg/Kg	☼	134	20 - 156	4	50
4-Chlorotoluene	ND		2.93	3.932		mg/Kg	☼	134	17 - 159	4	50
cis-1,2-Dichloroethene	ND		2.93	3.408		mg/Kg	☼	116	36 - 139	4	50
cis-1,3-Dichloropropene	ND		2.93	3.374		mg/Kg	☼	115	15 - 166	4	50
1,2-Dibromo-3-Chloropropane	ND		2.93	3.095		mg/Kg	☼	105	10 - 147	6	50
1,2-Dibromoethane (EDB)	ND		2.93	3.438		mg/Kg	☼	117	18 - 156	2	50
Dibromomethane	ND		2.93	3.229		mg/Kg	☼	110	20 - 146	4	50
1,3-Dichlorobenzene	ND		2.93	3.708		mg/Kg	☼	126	10 - 162	0	50
1,2-Dichlorobenzene	ND		2.93	3.621		mg/Kg	☼	123	10 - 160	1	50
1,4-Dichlorobenzene	ND		2.93	3.644		mg/Kg	☼	124	11 - 159	1	50
Dichlorobromomethane	ND		2.93	3.386		mg/Kg	☼	115	19 - 148	2	50
Dichlorodifluoromethane	ND		2.93	3.357		mg/Kg	☼	114	10 - 143	7	50
1,1-Dichloroethane	ND		2.93	3.556		mg/Kg	☼	121	42 - 136	5	50
1,2-Dichloroethane	0.0785	J	2.93	3.289		mg/Kg	☼	109	28 - 138	4	50
1,1-Dichloroethene	ND	*	2.93	4.215	F	mg/Kg	☼	144	41 - 143	3	50
1,2-Dichloropropane	ND		2.93	3.209		mg/Kg	☼	109	20 - 146	4	50
2,2-Dichloropropane	ND		2.93	3.560		mg/Kg	☼	121	33 - 148	4	50
1,3-Dichloropropane	ND		2.93	3.335		mg/Kg	☼	114	22 - 148	4	42
1,1-Dichloropropene	ND		2.93	3.570		mg/Kg	☼	122	38 - 145	3	50
Diethyl ether	ND		2.93	3.603		mg/Kg	☼	123	31 - 144	4	50
Diisopropyl ether	ND		2.93	3.371		mg/Kg	☼	115	35 - 135	4	45
Ethylbenzene	0.975		2.93	4.645		mg/Kg	☼	125	23 - 161	2	50
Ethyl tert-butyl ether	ND		2.93	3.335		mg/Kg	☼	114	44 - 143	5	49
Hexachlorobutadiene	ND		2.93	3.389		mg/Kg	☼	116	10 - 171	4	50
2-Hexanone	ND		14.7	16.45		mg/Kg	☼	112	10 - 169	3	50
Isopropylbenzene	0.155		2.93	4.003		mg/Kg	☼	131	23 - 181	0	50
Methylene Chloride	ND		2.93	3.995		mg/Kg	☼	136	24 - 182	5	50
4-Methyl-2-pentanone (MIBK)	ND		14.7	16.03		mg/Kg	☼	109	10 - 168	4	50
Methyl tert-butyl ether	ND		2.93	3.475		mg/Kg	☼	118	28 - 141	4	50
m-Xylene & p-Xylene	4.42		5.87	11.48		mg/Kg	☼	120	27 - 162	1	50
Naphthalene	0.401		2.93	4.077		mg/Kg	☼	125	10 - 176	4	50
n-Butylbenzene	0.280		2.93	4.581		mg/Kg	☼	147	10 - 175	1	50
N-Propylbenzene	0.124		2.93	4.059		mg/Kg	☼	134	19 - 162	4	50
o-Xylene	1.63		2.93	5.267		mg/Kg	☼	124	18 - 166	2	50
p-Isopropyltoluene	0.0941	J	2.93	3.982		mg/Kg	☼	133	12 - 168	0	50
sec-Butylbenzene	0.0599	J	2.93	4.154		mg/Kg	☼	140	12 - 170	2	50
Styrene	ND		2.93	3.776		mg/Kg	☼	129	10 - 165	2	50
Tert-amyl methyl ether	ND		2.93	3.337		mg/Kg	☼	114	38 - 151	3	50
tert-Butyl alcohol (TBA)	ND		29.3	11.49	F	mg/Kg	☼	39	10 - 183	76	50
tert-Butylbenzene	ND		2.93	3.919		mg/Kg	☼	134	20 - 164	0	50
1,1,1,2-Tetrachloroethane	ND		2.93	3.281		mg/Kg	☼	112	19 - 158	1	50
1,1,2,2-Tetrachloroethane	ND		2.93	3.794		mg/Kg	☼	129	10 - 162	3	50
Tetrachloroethene	ND		2.93	3.488		mg/Kg	☼	119	33 - 161	3	50
Tetrahydrofuran	ND		29.3	32.61		mg/Kg	☼	111	23 - 149	3	50
Toluene	0.757		2.93	4.229		mg/Kg	☼	118	30 - 155	4	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-28559-1 MSD — **Client Sample ID: NE BOT**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 86760 — **Prep Batch: 85651**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,2-Dichloroethene	ND		2.93	3.905		mg/Kg	☼	133	39 - 140	3	50
trans-1,3-Dichloropropene	ND		2.93	3.189		mg/Kg	☼	109	10 - 157	3	50
1,3,5-Trichlorobenzene	ND		2.93	2.628		mg/Kg	☼	90	70 - 130	1	50
1,2,4-Trichlorobenzene	ND		2.93	3.408		mg/Kg	☼	116	10 - 167	5	50
1,2,3-Trichlorobenzene	ND		2.93	3.192		mg/Kg	☼	109	10 - 157	3	50
1,1,1-Trichloroethane	ND		2.93	3.635		mg/Kg	☼	124	35 - 149	2	50
1,1,2-Trichloroethane	ND		2.93	3.339		mg/Kg	☼	114	19 - 157	3	50
Trichloroethene	ND		2.93	3.496		mg/Kg	☼	119	27 - 153	1	50
Trichlorofluoromethane	ND		2.93	3.241		mg/Kg	☼	110	25 - 140	6	50
1,2,3-Trichloropropane	0.0338	J	2.93	3.495		mg/Kg	☼	118	10 - 157	3	50
1,2,4-Trimethylbenzene	1.13		2.93	5.046		mg/Kg	☼	133	14 - 165	2	50
1,3,5-Trimethylbenzene	0.372		2.93	4.389		mg/Kg	☼	137	18 - 164	3	50
Vinyl chloride	ND		2.93	3.645		mg/Kg	☼	124	20 - 141	5	50
Xylenes, Total	6.05		8.80	16.75		mg/Kg	☼	122	25 - 162	1	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 490-86760/9 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	2.00	mg/Kg			06/17/13 13:36	1
Benzene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
Bromobenzene	ND		0.100	0.0360	mg/Kg			06/17/13 13:36	1
Bromochloromethane	ND		0.100	0.0280	mg/Kg			06/17/13 13:36	1
Bromoform	ND		0.100	0.0280	mg/Kg			06/17/13 13:36	1
Bromomethane	ND		0.100	0.0600	mg/Kg			06/17/13 13:36	1
2-Butanone (MEK)	ND		2.50	0.260	mg/Kg			06/17/13 13:36	1
Carbon disulfide	ND		0.250	0.180	mg/Kg			06/17/13 13:36	1
Carbon tetrachloride	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
Chlorobenzene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
Chlorodibromomethane	ND		0.100	0.0170	mg/Kg			06/17/13 13:36	1
Chloroethane	ND		0.250	0.0950	mg/Kg			06/17/13 13:36	1
Chloroform	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
Chloromethane	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
2-Chlorotoluene	ND		0.100	0.0460	mg/Kg			06/17/13 13:36	1
4-Chlorotoluene	ND		0.100	0.0420	mg/Kg			06/17/13 13:36	1
cis-1,2-Dichloroethene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
cis-1,3-Dichloropropene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
1,2-Dibromo-3-Chloropropane	ND		0.250	0.0350	mg/Kg			06/17/13 13:36	1
1,2-Dibromoethane (EDB)	ND		0.100	0.0500	mg/Kg			06/17/13 13:36	1
Dibromomethane	ND		0.100	0.0280	mg/Kg			06/17/13 13:36	1
1,3-Dichlorobenzene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-86760/9
Matrix: Solid
Analysis Batch: 86760

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.100	0.0170	mg/Kg			06/17/13 13:36	1
1,4-Dichlorobenzene	ND		0.100	0.0470	mg/Kg			06/17/13 13:36	1
Dichlorobromomethane	ND		0.100	0.0280	mg/Kg			06/17/13 13:36	1
Dichlorodifluoromethane	ND		0.100	0.0500	mg/Kg			06/17/13 13:36	1
1,1-Dichloroethane	ND		0.100	0.0335	mg/Kg			06/17/13 13:36	1
1,2-Dichloroethane	ND		0.100	0.0335	mg/Kg			06/17/13 13:36	1
1,1-Dichloroethene	ND		0.100	0.0290	mg/Kg			06/17/13 13:36	1
1,2-Dichloropropane	ND		0.100	0.0470	mg/Kg			06/17/13 13:36	1
2,2-Dichloropropane	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
1,3-Dichloropropane	ND		0.100	0.0470	mg/Kg			06/17/13 13:36	1
1,1-Dichloropropene	ND		0.100	0.0260	mg/Kg			06/17/13 13:36	1
Diethyl ether	ND		0.500	0.170	mg/Kg			06/17/13 13:36	1
Diisopropyl ether	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
Ethylbenzene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
Ethyl tert-butyl ether	ND		0.250	0.0500	mg/Kg			06/17/13 13:36	1
Hexachlorobutadiene	ND		0.250	0.0550	mg/Kg			06/17/13 13:36	1
2-Hexanone	ND		2.50	0.840	mg/Kg			06/17/13 13:36	1
Isopropylbenzene	ND		0.100	0.0210	mg/Kg			06/17/13 13:36	1
Methylene Chloride	ND		0.500	0.0500	mg/Kg			06/17/13 13:36	1
4-Methyl-2-pentanone (MIBK)	ND		2.50	0.850	mg/Kg			06/17/13 13:36	1
Methyl tert-butyl ether	ND		0.100	0.0500	mg/Kg			06/17/13 13:36	1
m-Xylene & p-Xylene	ND		0.150	0.0280	mg/Kg			06/17/13 13:36	1
Naphthalene	ND		0.250	0.0850	mg/Kg			06/17/13 13:36	1
n-Butylbenzene	ND		0.100	0.0500	mg/Kg			06/17/13 13:36	1
N-Propylbenzene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
o-Xylene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
p-Isopropyltoluene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
sec-Butylbenzene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
Styrene	ND		0.100	0.0550	mg/Kg			06/17/13 13:36	1
Tert-amyl methyl ether	ND		0.100	0.0160	mg/Kg			06/17/13 13:36	1
tert-Butyl alcohol (TBA)	ND		2.50	0.560	mg/Kg			06/17/13 13:36	1
tert-Butylbenzene	ND		0.100	0.0500	mg/Kg			06/17/13 13:36	1
1,1,1,2-Tetrachloroethane	ND		0.100	0.0335	mg/Kg			06/17/13 13:36	1
1,1,2,2-Tetrachloroethane	ND		0.100	0.0500	mg/Kg			06/17/13 13:36	1
Tetrachloroethene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
Tetrahydrofuran	ND		1.00	0.470	mg/Kg			06/17/13 13:36	1
Toluene	ND		0.100	0.0370	mg/Kg			06/17/13 13:36	1
trans-1,2-Dichloroethene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
trans-1,3-Dichloropropene	ND		0.100	0.0340	mg/Kg			06/17/13 13:36	1
1,3,5-Trichlorobenzene	ND		0.100	0.0500	mg/Kg			06/17/13 13:36	1
1,2,4-Trichlorobenzene	ND		0.100	0.0335	mg/Kg			06/17/13 13:36	1
1,2,3-Trichlorobenzene	ND		0.100	0.0190	mg/Kg			06/17/13 13:36	1
1,1,1-Trichloroethane	ND		0.100	0.0460	mg/Kg			06/17/13 13:36	1
1,1,2-Trichloroethane	ND		0.250	0.0700	mg/Kg			06/17/13 13:36	1
Trichloroethene	ND		0.100	0.0500	mg/Kg			06/17/13 13:36	1
Trichlorofluoromethane	ND		0.100	0.0500	mg/Kg			06/17/13 13:36	1
1,2,3-Trichloropropane	ND		0.100	0.0280	mg/Kg			06/17/13 13:36	1
1,2,4-Trimethylbenzene	ND		0.100	0.0500	mg/Kg			06/17/13 13:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-86760/9
Matrix: Solid
Analysis Batch: 86760

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.100	0.0380	mg/Kg			06/17/13 13:36	1
Vinyl chloride	ND		0.100	0.0550	mg/Kg			06/17/13 13:36	1
Xylenes, Total	ND		0.250	0.0340	mg/Kg			06/17/13 13:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*06/17/13 13:36*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/17/13 13:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*06/17/13 13:36*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/17/13 13:36*	*1*

Lab Sample ID: LCS 490-86760/4
Matrix: Solid
Analysis Batch: 86760

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.250	0.3730		mg/Kg		149	51 - 149
Benzene	0.0500	0.05851		mg/Kg		117	75 - 127
Bromobenzene	0.0500	0.05878		mg/Kg		118	75 - 130
Bromochloromethane	0.0500	0.06001		mg/Kg		120	70 - 132
Bromoform	0.0500	0.05241		mg/Kg		105	36 - 150
Bromomethane	0.0500	0.05893		mg/Kg		118	43 - 142
2-Butanone (MEK)	0.250	0.3269		mg/Kg		131	61 - 132
Carbon disulfide	0.0500	0.05402		mg/Kg		108	74 - 135
Carbon tetrachloride	0.0500	0.05630		mg/Kg		113	70 - 141
Chlorobenzene	0.0500	0.05610		mg/Kg		112	84 - 125
Chlorodibromomethane	0.0500	0.05287		mg/Kg		106	66 - 134
Chloroethane	0.0500	0.05341		mg/Kg		107	53 - 144
Chloroform	0.0500	0.06173		mg/Kg		123	76 - 130
Chloromethane	0.0500	0.04235		mg/Kg		85	23 - 150
2-Chlorotoluene	0.0500	0.05906		mg/Kg		118	78 - 132
4-Chlorotoluene	0.0500	0.06128		mg/Kg		123	77 - 138
cis-1,2-Dichloroethene	0.0500	0.05704		mg/Kg		114	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05435		mg/Kg		109	73 - 148
1,2-Dibromo-3-Chloropropane	0.0500	0.05084		mg/Kg		102	49 - 142
1,2-Dibromoethane (EDB)	0.0500	0.05778		mg/Kg		116	80 - 135
Dibromomethane	0.0500	0.05460		mg/Kg		109	71 - 130
1,3-Dichlorobenzene	0.0500	0.05855		mg/Kg		117	79 - 137
1,2-Dichlorobenzene	0.0500	0.05845		mg/Kg		117	80 - 134
1,4-Dichlorobenzene	0.0500	0.05822		mg/Kg		116	77 - 139
Dichlorobromomethane	0.0500	0.05771		mg/Kg		115	68 - 135
Dichlorodifluoromethane	0.0500	0.05996		mg/Kg		120	12 - 144
1,1-Dichloroethane	0.0500	0.05916		mg/Kg		118	75 - 124
1,2-Dichloroethane	0.0500	0.05860		mg/Kg		117	65 - 134
1,1-Dichloroethene	0.0500	0.06519		mg/Kg		130	75 - 131
1,2-Dichloropropane	0.0500	0.05224		mg/Kg		104	69 - 120
2,2-Dichloropropane	0.0500	0.06053		mg/Kg		121	68 - 145
1,3-Dichloropropane	0.0500	0.05616		mg/Kg		112	78 - 126
1,1-Dichloropropene	0.0500	0.05665		mg/Kg		113	79 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-86760/4
Matrix: Solid
Analysis Batch: 86760

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diethyl ether	0.0500	0.05993		mg/Kg		120	64 - 134
Diisopropyl ether	0.0500	0.05805		mg/Kg		116	68 - 124
Ethylbenzene	0.0500	0.05756		mg/Kg		115	80 - 134
Ethyl tert-butyl ether	0.0500	0.05775		mg/Kg		116	66 - 135
Hexachlorobutadiene	0.0500	0.04829		mg/Kg		97	65 - 148
2-Hexanone	0.250	0.2903		mg/Kg		116	57 - 148
Isopropylbenzene	0.0500	0.05907		mg/Kg		118	80 - 150
Methylene Chloride	0.0500	0.06339		mg/Kg		127	68 - 144
4-Methyl-2-pentanone (MIBK)	0.250	0.2848		mg/Kg		114	59 - 138
Methyl tert-butyl ether	0.0500	0.06019		mg/Kg		120	70 - 136
m-Xylene & p-Xylene	0.100	0.1194		mg/Kg		119	80 - 137
Naphthalene	0.0500	0.05653		mg/Kg		113	69 - 150
n-Butylbenzene	0.0500	0.06256		mg/Kg		125	72 - 152
N-Propylbenzene	0.0500	0.05967		mg/Kg		119	75 - 137
o-Xylene	0.0500	0.05951		mg/Kg		119	80 - 141
p-Isopropyltoluene	0.0500	0.05854		mg/Kg		117	77 - 141
sec-Butylbenzene	0.0500	0.06069		mg/Kg		121	79 - 141
Styrene	0.0500	0.06093		mg/Kg		122	82 - 137
Tert-amyl methyl ether	0.0500	0.05625		mg/Kg		113	59 - 144
tert-Butyl alcohol (TBA)	0.500	0.5549		mg/Kg		111	43 - 150
tert-Butylbenzene	0.0500	0.05792		mg/Kg		116	80 - 132
1,1,1,2-Tetrachloroethane	0.0500	0.05449		mg/Kg		109	80 - 136
1,1,2,2-Tetrachloroethane	0.0500	0.06112		mg/Kg		122	66 - 134
Tetrachloroethene	0.0500	0.05418		mg/Kg		108	78 - 140
Tetrahydrofuran	0.500	0.5900		mg/Kg		118	53 - 134
Toluene	0.0500	0.05605		mg/Kg		112	80 - 132
trans-1,2-Dichloroethene	0.0500	0.06249		mg/Kg		125	76 - 128
trans-1,3-Dichloropropene	0.0500	0.05280		mg/Kg		106	62 - 139
1,3,5-Trichlorobenzene	0.0500	0.04093		mg/Kg		82	70 - 130
1,2,4-Trichlorobenzene	0.0500	0.05363		mg/Kg		107	62 - 150
1,2,3-Trichlorobenzene	0.0500	0.05135		mg/Kg		103	70 - 150
1,1,1-Trichloroethane	0.0500	0.05900		mg/Kg		118	72 - 140
1,1,2-Trichloroethane	0.0500	0.05498		mg/Kg		110	78 - 128
Trichloroethene	0.0500	0.05621		mg/Kg		112	77 - 127
Trichlorofluoromethane	0.0500	0.05504		mg/Kg		110	50 - 140
1,2,3-Trichloropropane	0.0500	0.06065		mg/Kg		121	65 - 139
1,2,4-Trimethylbenzene	0.0500	0.05966		mg/Kg		119	77 - 139
1,3,5-Trimethylbenzene	0.0500	0.06147		mg/Kg		123	78 - 138
Vinyl chloride	0.0500	0.05553		mg/Kg		111	47 - 136
Xylenes, Total	0.150	0.1789		mg/Kg		119	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-86760/5
Matrix: Solid
Analysis Batch: 86760

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.250	0.3468		mg/Kg		139	51 - 149	7	50
Benzene	0.0500	0.05877		mg/Kg		118	75 - 127	0	50
Bromobenzene	0.0500	0.06142		mg/Kg		123	75 - 130	4	50
Bromochloromethane	0.0500	0.05852		mg/Kg		117	70 - 132	3	50
Bromoform	0.0500	0.05527		mg/Kg		111	36 - 150	5	50
Bromomethane	0.0500	0.06153		mg/Kg		123	43 - 142	4	50
2-Butanone (MEK)	0.250	0.3155		mg/Kg		126	61 - 132	4	50
Carbon disulfide	0.0500	0.05475		mg/Kg		110	74 - 135	1	50
Carbon tetrachloride	0.0500	0.05640		mg/Kg		113	70 - 141	0	50
Chlorobenzene	0.0500	0.05763		mg/Kg		115	84 - 125	3	50
Chlorodibromomethane	0.0500	0.05499		mg/Kg		110	66 - 134	4	50
Chloroethane	0.0500	0.05367		mg/Kg		107	53 - 144	0	50
Chloroform	0.0500	0.06098		mg/Kg		122	76 - 130	1	49
Chloromethane	0.0500	0.05327		mg/Kg		107	23 - 150	23	50
2-Chlorotoluene	0.0500	0.06193		mg/Kg		124	78 - 132	5	50
4-Chlorotoluene	0.0500	0.06390		mg/Kg		128	77 - 138	4	50
cis-1,2-Dichloroethene	0.0500	0.05666		mg/Kg		113	75 - 125	1	50
cis-1,3-Dichloropropene	0.0500	0.05556		mg/Kg		111	73 - 148	2	50
1,2-Dibromo-3-Chloropropane	0.0500	0.05325		mg/Kg		106	49 - 142	5	50
1,2-Dibromoethane (EDB)	0.0500	0.05823		mg/Kg		116	80 - 135	1	50
Dibromomethane	0.0500	0.05633		mg/Kg		113	71 - 130	3	50
1,3-Dichlorobenzene	0.0500	0.06125		mg/Kg		122	79 - 137	5	50
1,2-Dichlorobenzene	0.0500	0.06136		mg/Kg		123	80 - 134	5	50
1,4-Dichlorobenzene	0.0500	0.06065		mg/Kg		121	77 - 139	4	50
Dichlorobromomethane	0.0500	0.05874		mg/Kg		117	68 - 135	2	50
Dichlorodifluoromethane	0.0500	0.05963		mg/Kg		119	12 - 144	1	50
1,1-Dichloroethane	0.0500	0.05907		mg/Kg		118	75 - 124	0	50
1,2-Dichloroethane	0.0500	0.05750		mg/Kg		115	65 - 134	2	50
1,1-Dichloroethene	0.0500	0.06612	*	mg/Kg		132	75 - 131	1	50
1,2-Dichloropropane	0.0500	0.05284		mg/Kg		106	69 - 120	1	50
2,2-Dichloropropane	0.0500	0.06013		mg/Kg		120	68 - 145	1	50
1,3-Dichloropropane	0.0500	0.05737		mg/Kg		115	78 - 126	2	42
1,1-Dichloropropene	0.0500	0.05651		mg/Kg		113	79 - 127	0	50
Diethyl ether	0.0500	0.05901		mg/Kg		118	64 - 134	2	50
Diisopropyl ether	0.0500	0.05800		mg/Kg		116	68 - 124	0	45
Ethylbenzene	0.0500	0.05932		mg/Kg		119	80 - 134	3	50
Ethyl tert-butyl ether	0.0500	0.05710		mg/Kg		114	66 - 135	1	49
Hexachlorobutadiene	0.0500	0.05231		mg/Kg		105	65 - 148	8	50
2-Hexanone	0.250	0.2899		mg/Kg		116	57 - 148	0	50
Isopropylbenzene	0.0500	0.06181		mg/Kg		124	80 - 150	5	50
Methylene Chloride	0.0500	0.06544		mg/Kg		131	68 - 144	3	50
4-Methyl-2-pentanone (MIBK)	0.250	0.2823		mg/Kg		113	59 - 138	1	50
Methyl tert-butyl ether	0.0500	0.06015		mg/Kg		120	70 - 136	0	50
m-Xylene & p-Xylene	0.100	0.1218		mg/Kg		122	80 - 137	2	50
Naphthalene	0.0500	0.06000		mg/Kg		120	69 - 150	6	50
n-Butylbenzene	0.0500	0.06668		mg/Kg		133	72 - 152	6	50
N-Propylbenzene	0.0500	0.06322		mg/Kg		126	75 - 137	6	50
o-Xylene	0.0500	0.06171		mg/Kg		123	80 - 141	4	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-86760/5
Matrix: Solid
Analysis Batch: 86760

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	0.0500	0.06141		mg/Kg		123	77 - 141	5	50
sec-Butylbenzene	0.0500	0.06421		mg/Kg		128	79 - 141	6	50
Styrene	0.0500	0.06389		mg/Kg		128	82 - 137	5	50
Tert-amyl methyl ether	0.0500	0.05597		mg/Kg		112	59 - 144	1	50
tert-Butyl alcohol (TBA)	0.500	0.5967		mg/Kg		119	43 - 150	7	50
tert-Butylbenzene	0.0500	0.06159		mg/Kg		123	80 - 132	6	50
1,1,1,2-Tetrachloroethane	0.0500	0.05606		mg/Kg		112	80 - 136	3	50
1,1,2,2-Tetrachloroethane	0.0500	0.06415		mg/Kg		128	66 - 134	5	50
Tetrachloroethene	0.0500	0.05810		mg/Kg		116	78 - 140	7	50
Tetrahydrofuran	0.500	0.5919		mg/Kg		118	53 - 134	0	50
Toluene	0.0500	0.05722		mg/Kg		114	80 - 132	2	50
trans-1,2-Dichloroethene	0.0500	0.06320		mg/Kg		126	76 - 128	1	50
trans-1,3-Dichloropropene	0.0500	0.05543		mg/Kg		111	62 - 139	5	50
1,3,5-Trichlorobenzene	0.0500	0.04378		mg/Kg		88	70 - 130	7	50
1,2,4-Trichlorobenzene	0.0500	0.05716		mg/Kg		114	62 - 150	6	50
1,2,3-Trichlorobenzene	0.0500	0.05498		mg/Kg		110	70 - 150	7	50
1,1,1-Trichloroethane	0.0500	0.05889		mg/Kg		118	72 - 140	0	50
1,1,2-Trichloroethane	0.0500	0.05653		mg/Kg		113	78 - 128	3	50
Trichloroethene	0.0500	0.05721		mg/Kg		114	77 - 127	2	50
Trichlorofluoromethane	0.0500	0.05593		mg/Kg		112	50 - 140	2	50
1,2,3-Trichloropropane	0.0500	0.06325		mg/Kg		126	65 - 139	4	50
1,2,4-Trimethylbenzene	0.0500	0.06292		mg/Kg		126	77 - 139	5	50
1,3,5-Trimethylbenzene	0.0500	0.06444		mg/Kg		129	78 - 138	5	50
Vinyl chloride	0.0500	0.05619		mg/Kg		112	47 - 136	1	50
Xylenes, Total	0.150	0.1835		mg/Kg		122	80 - 137	3	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 490-86895/7
Matrix: Water
Analysis Batch: 86895

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0	2.66	ug/L			06/18/13 00:59	1
Benzene	ND		0.500	0.200	ug/L			06/18/13 00:59	1
Bromobenzene	ND		0.500	0.210	ug/L			06/18/13 00:59	1
Bromoform	ND		0.500	0.290	ug/L			06/18/13 00:59	1
Bromomethane	ND		0.500	0.350	ug/L			06/18/13 00:59	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			06/18/13 00:59	1
Carbon disulfide	ND		0.500	0.220	ug/L			06/18/13 00:59	1
Carbon tetrachloride	ND		0.500	0.180	ug/L			06/18/13 00:59	1
Chlorobenzene	ND		0.500	0.180	ug/L			06/18/13 00:59	1
Chlorobromomethane	ND		0.500	0.330	ug/L			06/18/13 00:59	1
Chlorodibromomethane	ND		0.500	0.250	ug/L			06/18/13 00:59	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-86895/7
Matrix: Water
Analysis Batch: 86895

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.500	0.360	ug/L			06/18/13 00:59	1
Chloroform	ND		0.500	0.230	ug/L			06/18/13 00:59	1
Chloromethane	ND		0.500	0.300	ug/L			06/18/13 00:59	1
2-Chlorotoluene	ND		0.500	0.180	ug/L			06/18/13 00:59	1
4-Chlorotoluene	ND		0.500	0.170	ug/L			06/18/13 00:59	1
cis-1,2-Dichloroethene	ND		0.500	0.210	ug/L			06/18/13 00:59	1
cis-1,3-Dichloropropene	ND		0.500	0.120	ug/L			06/18/13 00:59	1
1,2-Dibromo-3-Chloropropane	ND		5.00	4.21	ug/L			06/18/13 00:59	1
1,2-Dibromoethane (EDB)	ND		0.500	0.140	ug/L			06/18/13 00:59	1
Dibromomethane	ND		0.500	0.310	ug/L			06/18/13 00:59	1
1,3-Dichlorobenzene	ND		0.500	0.180	ug/L			06/18/13 00:59	1
1,2-Dichlorobenzene	ND		0.500	0.190	ug/L			06/18/13 00:59	1
1,4-Dichlorobenzene	ND		0.500	0.130	ug/L			06/18/13 00:59	1
Dichlorobromomethane	ND		0.500	0.110	ug/L			06/18/13 00:59	1
Dichlorodifluoromethane	ND		0.500	0.440	ug/L			06/18/13 00:59	1
1,1-Dichloroethane	ND		0.500	0.240	ug/L			06/18/13 00:59	1
1,2-Dichloroethane	ND		0.500	0.200	ug/L			06/18/13 00:59	1
1,1-Dichloroethene	ND		0.500	0.250	ug/L			06/18/13 00:59	1
1,2-Dichloropropane	ND		0.500	0.250	ug/L			06/18/13 00:59	1
2,2-Dichloropropane	ND		0.500	0.160	ug/L			06/18/13 00:59	1
1,3-Dichloropropane	ND		0.500	0.190	ug/L			06/18/13 00:59	1
1,1-Dichloropropene	ND		0.500	0.200	ug/L			06/18/13 00:59	1
Ethylbenzene	ND		0.500	0.190	ug/L			06/18/13 00:59	1
Ethyl ether	ND		5.00	0.160	ug/L			06/18/13 00:59	1
Hexachlorobutadiene	ND		1.00	0.210	ug/L			06/18/13 00:59	1
2-Hexanone	ND		10.0	1.28	ug/L			06/18/13 00:59	1
Isopropylbenzene	ND		1.00	0.170	ug/L			06/18/13 00:59	1
Isopropyl ether	ND		0.500	0.0900	ug/L			06/18/13 00:59	1
4-Isopropyltoluene	ND		0.500	0.170	ug/L			06/18/13 00:59	1
Methylene Chloride	ND		5.00	0.160	ug/L			06/18/13 00:59	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			06/18/13 00:59	1
Methyl tert-butyl ether	ND		0.500	0.120	ug/L			06/18/13 00:59	1
m-Xylene & p-Xylene	ND		0.500	0.380	ug/L			06/18/13 00:59	1
Naphthalene	ND		5.00	0.210	ug/L			06/18/13 00:59	1
n-Butylbenzene	ND		0.500	0.240	ug/L			06/18/13 00:59	1
N-Propylbenzene	ND		0.500	0.170	ug/L			06/18/13 00:59	1
o-Xylene	ND		0.500	0.180	ug/L			06/18/13 00:59	1
sec-Butylbenzene	ND		0.500	0.170	ug/L			06/18/13 00:59	1
Styrene	ND		0.500	0.200	ug/L			06/18/13 00:59	1
Tert-amyl methyl ether	ND		0.500	0.120	ug/L			06/18/13 00:59	1
tert-Butyl alcohol (TBA)	ND		10.0	3.90	ug/L			06/18/13 00:59	1
tert-Butylbenzene	ND		0.500	0.170	ug/L			06/18/13 00:59	1
Tert-butyl ethyl ether	ND		0.500	0.210	ug/L			06/18/13 00:59	1
1,1,1,2-Tetrachloroethane	ND		0.500	0.150	ug/L			06/18/13 00:59	1
1,1,2,2-Tetrachloroethane	ND		0.500	0.190	ug/L			06/18/13 00:59	1
Tetrachloroethene	ND		0.500	0.250	ug/L			06/18/13 00:59	1
Tetrahydrofuran	ND		20.0	2.84	ug/L			06/18/13 00:59	1
Toluene	ND		0.500	0.170	ug/L			06/18/13 00:59	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-86895/7
Matrix: Water
Analysis Batch: 86895

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.500	0.230	ug/L			06/18/13 00:59	1
trans-1,3-Dichloropropene	ND		0.500	0.110	ug/L			06/18/13 00:59	1
1,3,5-Trichlorobenzene	ND		0.500	0.180	ug/L			06/18/13 00:59	1
1,2,4-Trichlorobenzene	ND		0.500	0.150	ug/L			06/18/13 00:59	1
1,2,3-Trichlorobenzene	ND		0.500	0.230	ug/L			06/18/13 00:59	1
1,1,1-Trichloroethane	ND		0.500	0.190	ug/L			06/18/13 00:59	1
1,1,2-Trichloroethane	ND		0.500	0.190	ug/L			06/18/13 00:59	1
Trichloroethene	ND		0.500	0.200	ug/L			06/18/13 00:59	1
Trichlorofluoromethane	ND		0.500	0.210	ug/L			06/18/13 00:59	1
1,2,3-Trichloropropane	ND		0.500	0.230	ug/L			06/18/13 00:59	1
1,2,4-Trimethylbenzene	ND		0.500	0.170	ug/L			06/18/13 00:59	1
1,3,5-Trimethylbenzene	ND		0.500	0.150	ug/L			06/18/13 00:59	1
Vinyl chloride	ND		0.500	0.180	ug/L			06/18/13 00:59	1
Xylenes, Total	ND		0.500	0.180	ug/L			06/18/13 00:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*06/18/13 00:59*	*1*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*06/18/13 00:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*70 - 130*		*06/18/13 00:59*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*06/18/13 00:59*	*1*

Lab Sample ID: LCS 490-86895/3
Matrix: Water
Analysis Batch: 86895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	322.7		ug/L		129	54 - 145
Benzene	50.0	52.50		ug/L		105	80 - 121
Bromobenzene	50.0	56.93		ug/L		114	68 - 130
Bromoform	50.0	61.36		ug/L		123	46 - 145
Bromomethane	50.0	43.51		ug/L		87	41 - 150
2-Butanone (MEK)	250	288.3		ug/L		115	62 - 133
Carbon disulfide	50.0	49.36		ug/L		99	77 - 126
Carbon tetrachloride	50.0	56.28		ug/L		113	64 - 147
Chlorobenzene	50.0	53.43		ug/L		107	80 - 120
Chlorobromomethane	50.0	53.84		ug/L		108	78 - 129
Chlorodibromomethane	50.0	60.21		ug/L		120	69 - 133
Chloroethane	50.0	50.40		ug/L		101	72 - 120
Chloroform	50.0	56.03		ug/L		112	73 - 129
Chloromethane	50.0	47.25		ug/L		95	12 - 150
2-Chlorotoluene	50.0	57.76		ug/L		116	75 - 126
4-Chlorotoluene	50.0	58.84		ug/L		118	75 - 130
cis-1,2-Dichloroethene	50.0	55.46		ug/L		111	76 - 125
cis-1,3-Dichloropropene	50.0	60.14		ug/L		120	74 - 140
1,2-Dibromo-3-Chloropropane	50.0	60.30		ug/L		121	54 - 125
1,2-Dibromoethane (EDB)	50.0	56.61		ug/L		113	80 - 129
Dibromomethane	50.0	52.09		ug/L		104	71 - 125
1,3-Dichlorobenzene	50.0	56.16		ug/L		112	80 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-86895/3
Matrix: Water
Analysis Batch: 86895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	50.0	56.71		ug/L		113	80 - 121
1,4-Dichlorobenzene	50.0	53.60		ug/L		107	80 - 120
Dichlorobromomethane	50.0	58.06		ug/L		116	75 - 129
Dichlorodifluoromethane	50.0	48.12		ug/L		96	37 - 127
1,1-Dichloroethane	50.0	56.05		ug/L		112	78 - 125
1,2-Dichloroethane	50.0	56.25		ug/L		112	77 - 121
1,1-Dichloroethene	50.0	59.11		ug/L		118	79 - 124
1,2-Dichloropropane	50.0	50.75		ug/L		102	75 - 120
2,2-Dichloropropane	50.0	54.10		ug/L		108	43 - 161
1,3-Dichloropropane	50.0	56.68		ug/L		113	80 - 125
1,1-Dichloropropene	50.0	54.62		ug/L		109	80 - 122
Ethylbenzene	50.0	58.91		ug/L		118	80 - 130
Ethyl ether	50.0	59.28		ug/L		119	74 - 130
Hexachlorobutadiene	50.0	53.66		ug/L		107	49 - 146
2-Hexanone	250	325.6		ug/L		130	60 - 142
Isopropylbenzene	50.0	58.42		ug/L		117	80 - 141
Isopropyl ether	50.0	54.91		ug/L		110	61 - 142
4-Isopropyltoluene	50.0	56.81		ug/L		114	75 - 128
Methylene Chloride	50.0	57.44		ug/L		115	79 - 123
4-Methyl-2-pentanone (MIBK)	250	290.5		ug/L		116	60 - 137
Methyl tert-butyl ether	50.0	57.15		ug/L		114	72 - 133
m-Xylene & p-Xylene	100	113.3		ug/L		113	80 - 141
Naphthalene	50.0	57.06		ug/L		114	62 - 138
n-Butylbenzene	50.0	52.99		ug/L		106	68 - 132
N-Propylbenzene	50.0	59.59		ug/L		119	75 - 129
o-Xylene	50.0	57.30		ug/L		115	80 - 127
sec-Butylbenzene	50.0	55.90		ug/L		112	76 - 128
Styrene	50.0	56.73		ug/L		113	80 - 127
Tert-amyl methyl ether	50.0	57.62		ug/L		115	63 - 135
tert-Butyl alcohol (TBA)	500	852.6	*	ug/L		171	54 - 150
tert-Butylbenzene	50.0	55.23		ug/L		110	76 - 126
Tert-butyl ethyl ether	50.0	58.42		ug/L		117	63 - 135
1,1,1,2-Tetrachloroethane	50.0	54.92		ug/L		110	74 - 135
1,1,2,2-Tetrachloroethane	50.0	52.93		ug/L		106	69 - 131
Tetrachloroethene	50.0	55.74		ug/L		111	80 - 126
Tetrahydrofuran	500	581.3		ug/L		116	51 - 124
Toluene	50.0	55.53		ug/L		111	80 - 126
trans-1,2-Dichloroethene	50.0	58.12		ug/L		116	79 - 126
trans-1,3-Dichloropropene	50.0	60.02		ug/L		120	63 - 134
1,3,5-Trichlorobenzene	50.0	47.66		ug/L		95	70 - 130
1,2,4-Trichlorobenzene	50.0	56.09		ug/L		112	63 - 133
1,2,3-Trichlorobenzene	50.0	56.66		ug/L		113	62 - 133
1,1,1-Trichloroethane	50.0	56.20		ug/L		112	78 - 135
1,1,2-Trichloroethane	50.0	54.04		ug/L		108	80 - 124
Trichloroethene	50.0	51.74		ug/L		103	80 - 123
Trichlorofluoromethane	50.0	49.23		ug/L		98	65 - 124
1,2,3-Trichloropropane	50.0	58.00		ug/L		116	70 - 131
1,2,4-Trimethylbenzene	50.0	57.61		ug/L		115	77 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-86895/3
Matrix: Water
Analysis Batch: 86895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	50.0	57.28		ug/L		115	77 - 127
Vinyl chloride	50.0	48.70		ug/L		97	68 - 120
Xylenes, Total	150	170.6		ug/L		114	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 490-86895/4
Matrix: Water
Analysis Batch: 86895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	339.2		ug/L		136	54 - 145	5	21
Benzene	50.0	55.22		ug/L		110	80 - 121	5	17
Bromobenzene	50.0	57.07		ug/L		114	68 - 130	0	20
Bromoform	50.0	60.74		ug/L		121	46 - 145	1	16
Bromomethane	50.0	46.49		ug/L		93	41 - 150	7	50
2-Butanone (MEK)	250	285.0		ug/L		114	62 - 133	1	19
Carbon disulfide	50.0	51.98		ug/L		104	77 - 126	5	21
Carbon tetrachloride	50.0	59.12		ug/L		118	64 - 147	5	19
Chlorobenzene	50.0	53.80		ug/L		108	80 - 120	1	14
Chlorobromomethane	50.0	54.95		ug/L		110	78 - 129	2	17
Chlorodibromomethane	50.0	59.43		ug/L		119	69 - 133	1	15
Chloroethane	50.0	51.93		ug/L		104	72 - 120	3	20
Chloroform	50.0	57.87		ug/L		116	73 - 129	3	18
Chloromethane	50.0	48.92		ug/L		98	12 - 150	3	31
2-Chlorotoluene	50.0	57.92		ug/L		116	75 - 126	0	17
4-Chlorotoluene	50.0	60.07		ug/L		120	75 - 130	2	18
cis-1,2-Dichloroethene	50.0	57.55		ug/L		115	76 - 125	4	17
cis-1,3-Dichloropropene	50.0	60.07		ug/L		120	74 - 140	0	15
1,2-Dibromo-3-Chloropropane	50.0	57.75		ug/L		115	54 - 125	4	24
1,2-Dibromoethane (EDB)	50.0	56.14		ug/L		112	80 - 129	1	15
Dibromomethane	50.0	53.60		ug/L		107	71 - 125	3	16
1,3-Dichlorobenzene	50.0	56.14		ug/L		112	80 - 122	0	15
1,2-Dichlorobenzene	50.0	56.25		ug/L		112	80 - 121	1	15
1,4-Dichlorobenzene	50.0	54.13		ug/L		108	80 - 120	1	15
Dichlorobromomethane	50.0	60.23		ug/L		120	75 - 129	4	18
Dichlorodifluoromethane	50.0	50.87		ug/L		102	37 - 127	6	18
1,1-Dichloroethane	50.0	58.52		ug/L		117	78 - 125	4	17
1,2-Dichloroethane	50.0	57.28		ug/L		115	77 - 121	2	17
1,1-Dichloroethene	50.0	61.71		ug/L		123	79 - 124	4	17
1,2-Dichloropropane	50.0	52.25		ug/L		104	75 - 120	3	17
2,2-Dichloropropane	50.0	56.02		ug/L		112	43 - 161	3	18
1,3-Dichloropropane	50.0	56.37		ug/L		113	80 - 125	1	14
1,1-Dichloropropene	50.0	57.74		ug/L		115	80 - 122	6	17

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-86895/4
Matrix: Water
Analysis Batch: 86895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	50.0	59.78		ug/L		120	80 - 130	1	15
Ethyl ether	50.0	60.03		ug/L		120	74 - 130	1	18
Hexachlorobutadiene	50.0	54.77		ug/L		110	49 - 146	2	23
2-Hexanone	250	314.6		ug/L		126	60 - 142	3	15
Isopropylbenzene	50.0	59.09		ug/L		118	80 - 141	1	16
Isopropyl ether	50.0	56.58		ug/L		113	61 - 142	3	50
4-Isopropyltoluene	50.0	57.44		ug/L		115	75 - 128	1	16
Methylene Chloride	50.0	59.61		ug/L		119	79 - 123	4	17
4-Methyl-2-pentanone (MIBK)	250	286.6		ug/L		115	60 - 137	1	17
Methyl tert-butyl ether	50.0	57.68		ug/L		115	72 - 133	1	16
m-Xylene & p-Xylene	100	115.4		ug/L		115	80 - 141	2	16
Naphthalene	50.0	55.45		ug/L		111	62 - 138	3	26
n-Butylbenzene	50.0	54.25		ug/L		108	68 - 132	2	18
N-Propylbenzene	50.0	60.83		ug/L		122	75 - 129	2	17
o-Xylene	50.0	57.54		ug/L		115	80 - 127	0	14
sec-Butylbenzene	50.0	56.51		ug/L		113	76 - 128	1	16
Styrene	50.0	57.39		ug/L		115	80 - 127	1	24
Tert-amyl methyl ether	50.0	59.87		ug/L		120	63 - 135	4	15
tert-Butyl alcohol (TBA)	500	851.7	*	ug/L		170	54 - 150	0	32
tert-Butylbenzene	50.0	55.83		ug/L		112	76 - 126	1	16
Tert-butyl ethyl ether	50.0	59.31		ug/L		119	63 - 135	2	19
1,1,1,2-Tetrachloroethane	50.0	55.43		ug/L		111	74 - 135	1	16
1,1,2,2-Tetrachloroethane	50.0	51.60		ug/L		103	69 - 131	3	20
Tetrachloroethene	50.0	57.22		ug/L		114	80 - 126	3	16
Tetrahydrofuran	500	578.9		ug/L		116	51 - 124	0	18
Toluene	50.0	56.28		ug/L		113	80 - 126	1	15
trans-1,2-Dichloroethene	50.0	60.77		ug/L		122	79 - 126	4	16
trans-1,3-Dichloropropene	50.0	59.43		ug/L		119	63 - 134	1	14
1,3,5-Trichlorobenzene	50.0	47.24		ug/L		94	70 - 130	1	30
1,2,4-Trichlorobenzene	50.0	55.83		ug/L		112	63 - 133	0	19
1,2,3-Trichlorobenzene	50.0	56.09		ug/L		112	62 - 133	1	25
1,1,1-Trichloroethane	50.0	58.40		ug/L		117	78 - 135	4	17
1,1,2-Trichloroethane	50.0	53.20		ug/L		106	80 - 124	2	15
Trichloroethene	50.0	54.76		ug/L		110	80 - 123	6	17
Trichlorofluoromethane	50.0	51.81		ug/L		104	65 - 124	5	18
1,2,3-Trichloropropane	50.0	56.31		ug/L		113	70 - 131	3	19
1,2,4-Trimethylbenzene	50.0	58.23		ug/L		116	77 - 126	1	16
1,3,5-Trimethylbenzene	50.0	58.17		ug/L		116	77 - 127	2	17
Vinyl chloride	50.0	51.11		ug/L		102	68 - 120	5	17
Xylenes, Total	150	173.0		ug/L		115	80 - 132	1	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-28559-6 MS
Matrix: Ground Water
Analysis Batch: 86895

Client Sample ID: OB EXC GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	25.6	J	250	303.5		ug/L		111	45 - 141
Benzene	ND		50.0	55.92		ug/L		112	75 - 133
Bromobenzene	ND		50.0	54.44		ug/L		109	60 - 138
Bromoform	ND		50.0	59.98		ug/L		120	42 - 147
Bromomethane	ND		50.0	46.52		ug/L		93	16 - 163
2-Butanone (MEK)	38.9	J	250	314.6		ug/L		110	50 - 138
Carbon disulfide	ND		50.0	53.87		ug/L		108	48 - 152
Carbon tetrachloride	ND		50.0	63.05		ug/L		126	62 - 164
Chlorobenzene	ND		50.0	53.65		ug/L		107	80 - 129
Chlorobromomethane	ND		50.0	56.08		ug/L		112	67 - 139
Chlorodibromomethane	ND		50.0	59.61		ug/L		119	66 - 140
Chloroethane	ND		50.0	55.18		ug/L		110	58 - 137
Chloroform	ND		50.0	59.19		ug/L		118	66 - 138
Chloromethane	ND		50.0	51.14		ug/L		102	10 - 169
2-Chlorotoluene	ND		50.0	55.22		ug/L		110	67 - 138
4-Chlorotoluene	ND		50.0	56.68		ug/L		113	69 - 138
cis-1,2-Dichloroethene	ND		50.0	59.82		ug/L		120	68 - 138
cis-1,3-Dichloropropene	ND		50.0	60.32		ug/L		121	71 - 141
1,2-Dibromo-3-Chloropropane	ND		50.0	54.43		ug/L		109	52 - 126
1,2-Dibromoethane (EDB)	ND		50.0	55.66		ug/L		111	75 - 137
Dibromomethane	ND		50.0	53.80		ug/L		108	58 - 140
1,3-Dichlorobenzene	ND		50.0	52.85		ug/L		106	77 - 131
1,2-Dichlorobenzene	ND		50.0	51.81		ug/L		104	79 - 128
1,4-Dichlorobenzene	ND		50.0	49.81		ug/L		100	78 - 126
Dichlorobromomethane	ND		50.0	59.85		ug/L		120	70 - 140
Dichlorodifluoromethane	ND		50.0	53.33		ug/L		107	40 - 127
1,1-Dichloroethane	ND		50.0	60.23		ug/L		120	71 - 139
1,2-Dichloroethane	ND		50.0	58.30		ug/L		117	64 - 136
1,1-Dichloroethene	ND		50.0	66.48		ug/L		133	70 - 142
1,2-Dichloropropane	ND		50.0	52.59		ug/L		105	67 - 131
2,2-Dichloropropane	ND		50.0	66.14		ug/L		132	37 - 175
1,3-Dichloropropane	ND		50.0	56.28		ug/L		113	72 - 134
1,1-Dichloropropene	ND		50.0	61.04		ug/L		122	76 - 139
Ethylbenzene	ND		50.0	60.24		ug/L		120	79 - 139
Ethyl ether	ND		50.0	61.16		ug/L		122	64 - 139
Hexachlorobutadiene	ND		50.0	51.95		ug/L		104	45 - 155
2-Hexanone	ND		250	299.0		ug/L		120	50 - 150
Isopropylbenzene	ND		50.0	59.77		ug/L		120	80 - 153
Isopropyl ether	ND		50.0	56.92		ug/L		114	10 - 200
4-Isopropyltoluene	ND		50.0	55.81		ug/L		112	71 - 137
Methylene Chloride	2.18	J	50.0	62.97		ug/L		122	64 - 139
4-Methyl-2-pentanone (MIBK)	ND		250	277.1		ug/L		111	50 - 147
Methyl tert-butyl ether	ND		50.0	57.41		ug/L		115	66 - 141
m-Xylene & p-Xylene	ND		100	115.7		ug/L		116	80 - 153
Naphthalene	ND		50.0	44.81		ug/L		90	55 - 140
n-Butylbenzene	ND		50.0	51.73		ug/L		103	66 - 141
N-Propylbenzene	ND		50.0	59.50		ug/L		119	69 - 142
o-Xylene	ND		50.0	57.11		ug/L		114	74 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-28559-6 MS
Matrix: Ground Water
Analysis Batch: 86895

Client Sample ID: OB EXC GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	ND		50.0	54.89		ug/L		110	73 - 138
Styrene	ND		50.0	55.92		ug/L		112	61 - 148
Tert-amyl methyl ether	ND		50.0	57.53		ug/L		115	61 - 138
tert-Butyl alcohol (TBA)	ND	*	500	785.5		ug/L		157	50 - 183
tert-Butylbenzene	ND		50.0	55.24		ug/L		110	70 - 138
Tert-butyl ethyl ether	ND		50.0	58.23		ug/L		116	60 - 138
1,1,1,2-Tetrachloroethane	ND		50.0	56.27		ug/L		113	73 - 141
1,1,2,2-Tetrachloroethane	ND		50.0	49.93		ug/L		100	56 - 143
Tetrachloroethene	ND		50.0	59.79		ug/L		120	72 - 145
Tetrahydrofuran	379		500	946.9		ug/L		113	34 - 133
Toluene	ND		50.0	56.96		ug/L		114	75 - 136
trans-1,2-Dichloroethene	ND		50.0	63.50		ug/L		127	66 - 143
trans-1,3-Dichloropropene	ND		50.0	60.01		ug/L		120	59 - 135
1,3,5-Trichlorobenzene	ND		50.0	41.29		ug/L		83	60 - 140
1,2,4-Trichlorobenzene	ND		50.0	45.90		ug/L		92	60 - 136
1,2,3-Trichlorobenzene	ND		50.0	43.84		ug/L		88	55 - 138
1,1,1-Trichloroethane	ND		50.0	62.07		ug/L		124	76 - 149
1,1,2-Trichloroethane	ND		50.0	53.61		ug/L		107	74 - 134
Trichloroethene	ND		50.0	55.47		ug/L		111	73 - 144
Trichlorofluoromethane	ND		50.0	56.67		ug/L		113	58 - 139
1,2,3-Trichloropropane	ND		50.0	55.18		ug/L		110	53 - 144
1,2,4-Trimethylbenzene	ND		50.0	54.49		ug/L		109	69 - 136
1,3,5-Trimethylbenzene	ND		50.0	56.01		ug/L		112	69 - 139
Vinyl chloride	ND		50.0	53.81		ug/L		108	56 - 129
Xylenes, Total	ND		150	172.8		ug/L		115	74 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*107*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: 490-28559-6 MSD
Matrix: Ground Water
Analysis Batch: 86895

Client Sample ID: OB EXC GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	25.6	J	250	301.8		ug/L		110	45 - 141	1	21
Benzene	ND		50.0	50.57		ug/L		101	75 - 133	10	17
Bromobenzene	ND		50.0	49.91		ug/L		100	60 - 138	9	20
Bromoform	ND		50.0	59.39		ug/L		119	42 - 147	1	16
Bromomethane	ND		50.0	40.89		ug/L		82	16 - 163	13	50
2-Butanone (MEK)	38.9	J	250	317.9		ug/L		112	50 - 138	1	19
Carbon disulfide	ND		50.0	45.74		ug/L		91	48 - 152	16	21
Carbon tetrachloride	ND		50.0	56.24		ug/L		112	62 - 164	11	19
Chlorobenzene	ND		50.0	49.43		ug/L		99	80 - 129	8	14
Chlorobromomethane	ND		50.0	52.46		ug/L		105	67 - 139	7	17
Chlorodibromomethane	ND		50.0	58.54		ug/L		117	66 - 140	2	15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-28559-6 MSD
Matrix: Ground Water
Analysis Batch: 86895

Client Sample ID: OB EXC GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	ND		50.0	48.13		ug/L		96	58 - 137	14	20
Chloroform	ND		50.0	54.15		ug/L		108	66 - 138	9	18
Chloromethane	ND		50.0	42.25		ug/L		85	10 - 169	19	31
2-Chlorotoluene	ND		50.0	48.70		ug/L		97	67 - 138	13	17
4-Chlorotoluene	ND		50.0	48.80		ug/L		98	69 - 138	15	18
cis-1,2-Dichloroethene	ND		50.0	54.07		ug/L		108	68 - 138	10	17
cis-1,3-Dichloropropene	ND		50.0	58.02		ug/L		116	71 - 141	4	15
1,2-Dibromo-3-Chloropropane	ND		50.0	55.32		ug/L		111	52 - 126	2	24
1,2-Dibromoethane (EDB)	ND		50.0	55.27		ug/L		111	75 - 137	1	15
Dibromomethane	ND		50.0	51.39		ug/L		103	58 - 140	5	16
1,3-Dichlorobenzene	ND		50.0	46.14		ug/L		92	77 - 131	14	15
1,2-Dichlorobenzene	ND		50.0	46.63		ug/L		93	79 - 128	11	15
1,4-Dichlorobenzene	ND		50.0	44.44		ug/L		89	78 - 126	11	15
Dichlorobromomethane	ND		50.0	55.44		ug/L		111	70 - 140	8	18
Dichlorodifluoromethane	ND		50.0	46.17		ug/L		92	40 - 127	14	18
1,1-Dichloroethane	ND		50.0	54.49		ug/L		109	71 - 139	10	17
1,2-Dichloroethane	ND		50.0	54.83		ug/L		110	64 - 136	6	17
1,1-Dichloroethene	ND		50.0	58.12		ug/L		116	70 - 142	13	17
1,2-Dichloropropane	ND		50.0	49.79		ug/L		100	67 - 131	5	17
2,2-Dichloropropane	ND		50.0	57.63		ug/L		115	37 - 175	14	18
1,3-Dichloropropane	ND		50.0	55.48		ug/L		111	72 - 134	1	14
1,1-Dichloropropene	ND		50.0	53.41		ug/L		107	76 - 139	13	17
Ethylbenzene	ND		50.0	54.26		ug/L		109	79 - 139	10	15
Ethyl ether	ND		50.0	57.64		ug/L		115	64 - 139	6	18
Hexachlorobutadiene	ND		50.0	41.44		ug/L		83	45 - 155	23	23
2-Hexanone	ND		250	308.9		ug/L		124	50 - 150	3	15
Isopropylbenzene	ND		50.0	52.41		ug/L		105	80 - 153	13	16
Isopropyl ether	ND		50.0	53.80		ug/L		108	10 - 200	6	50
4-Isopropyltoluene	ND		50.0	46.34	F	ug/L		93	71 - 137	19	16
Methylene Chloride	2.18	J	50.0	57.74		ug/L		111	64 - 139	9	17
4-Methyl-2-pentanone (MIBK)	ND		250	286.7		ug/L		115	50 - 147	3	17
Methyl tert-butyl ether	ND		50.0	55.88		ug/L		112	66 - 141	3	16
m-Xylene & p-Xylene	ND		100	103.8		ug/L		104	80 - 153	11	16
Naphthalene	ND		50.0	41.99		ug/L		84	55 - 140	6	26
n-Butylbenzene	ND		50.0	41.98	F	ug/L		84	66 - 141	21	18
N-Propylbenzene	ND		50.0	51.28		ug/L		103	69 - 142	15	17
o-Xylene	ND		50.0	51.27		ug/L		103	74 - 138	11	14
sec-Butylbenzene	ND		50.0	46.04	F	ug/L		92	73 - 138	18	16
Styrene	ND		50.0	50.11		ug/L		100	61 - 148	11	24
Tert-amyl methyl ether	ND		50.0	54.85		ug/L		110	61 - 138	5	15
tert-Butyl alcohol (TBA)	ND	*	500	852.7		ug/L		171	50 - 183	8	32
tert-Butylbenzene	ND		50.0	46.42	F	ug/L		93	70 - 138	17	16
Tert-butyl ethyl ether	ND		50.0	55.99		ug/L		112	60 - 138	4	19
1,1,1,2-Tetrachloroethane	ND		50.0	52.57		ug/L		105	73 - 141	7	16
1,1,2,2-Tetrachloroethane	ND		50.0	50.33		ug/L		101	56 - 143	1	20
Tetrachloroethene	ND		50.0	53.05		ug/L		106	72 - 145	12	16
Tetrahydrofuran	379		500	962.9		ug/L		117	34 - 133	2	18
Toluene	ND		50.0	52.52		ug/L		105	75 - 136	8	15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-28559-6 MSD
Matrix: Ground Water
Analysis Batch: 86895

Client Sample ID: OB EXC GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,2-Dichloroethene	ND		50.0	55.87		ug/L		112	66 - 143	13	16
trans-1,3-Dichloropropene	ND		50.0	58.06		ug/L		116	59 - 135	3	14
1,3,5-Trichlorobenzene	ND		50.0	34.08		ug/L		68	60 - 140	19	30
1,2,4-Trichlorobenzene	ND		50.0	39.05		ug/L		78	60 - 136	16	19
1,2,3-Trichlorobenzene	ND		50.0	38.71		ug/L		77	55 - 138	12	25
1,1,1-Trichloroethane	ND		50.0	55.14		ug/L		110	76 - 149	12	17
1,1,2-Trichloroethane	ND		50.0	52.71		ug/L		105	74 - 134	2	15
Trichloroethene	ND		50.0	50.17		ug/L		100	73 - 144	10	17
Trichlorofluoromethane	ND		50.0	49.60		ug/L		99	58 - 139	13	18
1,2,3-Trichloropropane	ND		50.0	54.37		ug/L		109	53 - 144	1	19
1,2,4-Trimethylbenzene	ND		50.0	47.28		ug/L		95	69 - 136	14	16
1,3,5-Trimethylbenzene	ND		50.0	48.11		ug/L		96	69 - 139	15	17
Vinyl chloride	ND		50.0	46.38		ug/L		93	56 - 129	15	17
Xylenes, Total	ND		150	155.1		ug/L		103	74 - 141	11	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Method: Moisture - Percent Moisture

Lab Sample ID: 490-28518-A-2 DU
Matrix: Solid
Analysis Batch: 85799

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	97			97		%				0.1	20

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

GC/MS VOA

Prep Batch: 85651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-28559-1	NE BOT	Total/NA	Soil	5035	
490-28559-1 MS	NE BOT	Total/NA	Soil	5035	
490-28559-1 MSD	NE BOT	Total/NA	Soil	5035	
490-28559-2	NW COR BOT	Total/NA	Soil	5035	
490-28559-3	EAST WALL	Total/NA	Soil	5035	
490-28559-4	WEST WALL	Total/NA	Soil	5035	
490-28559-5	NW WALL	Total/NA	Soil	5035	
490-28559-7	TRIP BLANK (SOIL)	Total/NA	Soil	5035	

Analysis Batch: 86760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-28559-1	NE BOT	Total/NA	Soil	8260B	85651
490-28559-1 MS	NE BOT	Total/NA	Soil	8260B	85651
490-28559-1 MSD	NE BOT	Total/NA	Soil	8260B	85651
490-28559-2	NW COR BOT	Total/NA	Soil	8260B	85651
490-28559-3	EAST WALL	Total/NA	Soil	8260B	85651
490-28559-4	WEST WALL	Total/NA	Soil	8260B	85651
490-28559-5	NW WALL	Total/NA	Soil	8260B	85651
490-28559-7	TRIP BLANK (SOIL)	Total/NA	Soil	8260B	85651
LCS 490-86760/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-86760/5	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-86760/9	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 86894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-28559-6	OB EXC GW	Total/NA	Ground Water	8260B	

Analysis Batch: 86895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-28559-6	OB EXC GW	Total/NA	Ground Water	8260B	
490-28559-6 MS	OB EXC GW	Total/NA	Ground Water	8260B	
490-28559-6 MSD	OB EXC GW	Total/NA	Ground Water	8260B	
490-28559-8	TRIP BLANK (W)	Total/NA	Water	8260B	
LCS 490-86895/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-86895/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-86895/7	Method Blank	Total/NA	Water	8260B	

General Chemistry

Analysis Batch: 85799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-28518-A-2 DU	Duplicate	Total/NA	Solid	Moisture	
490-28559-1	NE BOT	Total/NA	Soil	Moisture	
490-28559-2	NW COR BOT	Total/NA	Soil	Moisture	
490-28559-3	EAST WALL	Total/NA	Soil	Moisture	
490-28559-4	WEST WALL	Total/NA	Soil	Moisture	
490-28559-5	NW WALL	Total/NA	Soil	Moisture	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: NE BOT — Lab Sample ID: 490-28559-1

Date Collected: 06/05/13 15:15 — **Matrix: Soil**
Date Received: 06/11/13 08:30 — **Percent Solids: 87.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			85651	06/12/13 10:06	MLN	TAL NSH
Total/NA	Analysis	8260B		1	86760	06/17/13 14:29	EML	TAL NSH
Total/NA	Analysis	Moisture		1	85799	06/12/13 14:23	CEC	TAL NSH

Client Sample ID: NW COR BOT — Lab Sample ID: 490-28559-2

Date Collected: 06/05/13 15:30 — **Matrix: Soil**
Date Received: 06/11/13 08:30 — **Percent Solids: 90.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			85651	06/12/13 10:06	MLN	TAL NSH
Total/NA	Analysis	8260B		1	86760	06/17/13 17:05	EML	TAL NSH
Total/NA	Analysis	Moisture		1	85799	06/12/13 14:23	CEC	TAL NSH

Client Sample ID: EAST WALL — Lab Sample ID: 490-28559-3

Date Collected: 06/06/13 14:45 — **Matrix: Soil**
Date Received: 06/11/13 08:30 — **Percent Solids: 90.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			85651	06/12/13 10:06	MLN	TAL NSH
Total/NA	Analysis	8260B		1	86760	06/17/13 17:31	EML	TAL NSH
Total/NA	Analysis	Moisture		1	85799	06/12/13 14:23	CEC	TAL NSH

Client Sample ID: WEST WALL — Lab Sample ID: 490-28559-4

Date Collected: 06/05/13 16:00 — **Matrix: Soil**
Date Received: 06/11/13 08:30 — **Percent Solids: 88.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			85651	06/12/13 10:06	MLN	TAL NSH
Total/NA	Analysis	8260B		1	86760	06/17/13 17:57	EML	TAL NSH
Total/NA	Analysis	Moisture		1	85799	06/12/13 14:23	CEC	TAL NSH

Client Sample ID: NW WALL — Lab Sample ID: 490-28559-5

Date Collected: 06/05/13 15:40 — **Matrix: Soil**
Date Received: 06/11/13 08:30 — **Percent Solids: 96.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			85651	06/12/13 10:06	MLN	TAL NSH
Total/NA	Analysis	8260B		1	86760	06/17/13 18:23	EML	TAL NSH
Total/NA	Analysis	Moisture		1	85799	06/12/13 14:23	CEC	TAL NSH

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Client Sample ID: OB EXC GW

Lab Sample ID: 490-28559-6

Date Collected: 06/07/13 11:20
Date Received: 06/11/13 08:30

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86894	06/18/13 01:55	EML	TAL NSH
Total/NA	Analysis	8260B		1	86895	06/18/13 01:55	EML	TAL NSH

Client Sample ID: TRIP BLANK (SOIL)

Lab Sample ID: 490-28559-7

Date Collected: 06/07/13 00:01
Date Received: 06/11/13 08:30

Matrix: Soil

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			85651	06/12/13 10:06	MLN	TAL NSH
Total/NA	Analysis	8260B		1	86760	06/17/13 14:02	EML	TAL NSH

Client Sample ID: TRIP BLANK (W)

Lab Sample ID: 490-28559-8

Date Collected: 06/07/13 00:01
Date Received: 06/11/13 08:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	86895	06/18/13 01:27	EML	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: FORD Tibbetts Road Site E101274

TestAmerica Job ID: 490-28559-1
SDG: MA000725.0008.00109

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-14
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-14
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13 *
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-14
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-14
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-14
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	02-28-14
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-14
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

Brown, Shali

From: Wentworth, Bryan [Bryan.Wentworth@arcadis-us.com]
Sent: Tuesday, June 18, 2013 8:50 AM
To: Martz, Ian; Brown, Shali
Cc: Castelluccio, Chuck
Subject: RE: COC for Arcadis - FORD Tibbetts Road?

Shali,

Below are the tare weights for the VOC soil sample containers submitted for the Tibbetts Road site on 6/11/2013.

Container numbers all from 5/17/13
125-33.71
126-33.41
132-33.67
131-33.51
130-33.76
127-33.76
133-33.79
129-34.03

Please let me know if you need anything else.

Bryan

Bryan Wentworth | Staff Environmental Engineer | Bryan.Wentworth@arcadis-us.com
ARCADIS U.S., Inc. | One Executive Drive, Suite 303 | Chelmsford, MA 01824-2566
T: 978.322.4535 | M: 781.799.6941 | F: 978.937.7555
www.arcadis-us.com

ARCADIS, Imagine the result
Please consider the environment before printing this email.

From: Martz, Ian
Sent: Monday, June 10, 2013 3:13 PM
To: Brown, Shali
Cc: Castelluccio, Chuck; Wentworth, Bryan
Subject: RE: COC for Arcadis - FORD Tibbetts Road?

Hi Shali-

I apologize for the confusion. Yes, these are for the Tibbetts Road project.

Bryan, can you contact the lab that provided these bottles to see if they have the tare weights Shali is requesting? Thanks!

-Ian

From: Brown, Shali [mailto:Shali.Brown@testamericainc.com]
Sent: Monday, June 10, 2013 2:31 PM

1 2 3 4 5 6 7 8 9 10 11 12 13

To: Martz, Ian
Cc: Castelluccio, Chuck
Subject: FW: COC for Arcadis - FORD Tibbetts Road?
Importance: High

Hi Ian,

These samples were received by our Buffalo lab on Saturday. Chuck's name is not listed as the PM, it's not on a Nashville COC, and FORD or the Enovis # is not on the COC but the project name is Tibbetts Road. Is this the FORD Tibbetts Road project that we do for you or is this something different that is supposed to go to the Buffalo lab?

Note, TestAmerica's vials were not used for this project and there were no tare weights on the methanol vials. We will need the tare weights to be able to report from the methanol vials.

Thanks,
Shali

Announcing TotalAccess 4.0 – Online access to your data. New homepage with easier access to your data, multiple search criteria including sampling date and much more! Contact your Account Executive or Project Manager today to arrange for a live demonstration

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

SHALI BROWN
Project Manager
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive
Nashville, TN 37204
Tel 615.301.5031 Fax 615.345.0973
1-800-765-0980 x1212
www.testamericainc.com

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Brown, Shali

From: Martz, Ian [Ian.Martz@arcadis-us.com]
Sent: Wednesday, June 12, 2013 7:28 AM
To: Brown, Shali; Castelluccio, Chuck
Subject: RE: Sample Login Confirmation for 490-28559, FORD Tibbetts Road Site E101274

Hi Shali-

These samples can be put under MA000725.0008.00109. Thanks!

-Ian

From: Brown, Shali [mailto:shali.brown@testamericainc.com]
Sent: Tuesday, June 11, 2013 6:31 PM
To: Castelluccio, Chuck; Martz, Ian
Subject: Sample Login Confirmation for 490-28559, FORD Tibbetts Road Site E101274

Good Afternoon,

Attached is the confirmation for samples received today from our Buffalo lab. Ian, can you confirm the project number of MA000725.0007.00104?

Thanks,
Shali

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

SHALI BROWN

TestAmerica Nashville
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 615.301.5031

Reference: [073970]
Attachments: 2

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

490-28559 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On 6/11/2013 @ 0830

1. Tracking # 5519 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 18290455

2. Temperature of rep. sample or temp blank when opened: 2.4 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 (Front)

5. Were the seals intact, signed, and dated correctly? Not Dated. YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

#13b) 03 EXEC GW & Trip Blank - one vial each received with headspace - appear to have been purged.

BIS = Broken in shipment

1 2 3 4 5 6 7 8 9 10 11 12 13

LOGIN - NASHVILLE MM 6/10/13

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica THE LEADER IN

Loc: 490
28559

6/28/2013

Client Information				
Client Contact: MARK JONES	Sampler: BRYAN WENTWORTH	Lab PM: BECKY MASON	Carrier Tracking No(s):	COC No:
Company: ARCADIS	Phone: 781.213.4912	E-Mail: mark.jones@arcadis-us.com		Page:
Address: 200 Harvard Mills Sq	Due Date Requested:			Job #:
City: Wakefield	TAT Requested (days): STANDARD			
State, Zip: MA 01880				
Phone: 781.224.4488	Quote #:			
Email: mark.jones@arcadis-us.com	PO #:			
Project Name/number: MA000725	WO #:			
Site: Tibbetts Rd	SSOW#:			

Analysis Requested

VOC 8260

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
NE BOT	6/5/13	1515	G	S	BW			X		-1
NW COR BOT	6/5/13	1530	↓	↓	BW			X		2
EAST WALL	6/6/13	1445	↓	↓	BW			X		3
WEST WALL	6/5/13	1600	↓	↓	BW			X		4
NW WALL	6/5/13	1540	↓	↓	BW			X		5
OB EXC GW	6/7/13	1120	↓	W	BW			X		6
TRIP BLANK (SOIL)								X		7
TRIP BLANK (W)								X		8

~~480-39766 Chain of Custody~~ DEACS

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company
Bryan G Wentworth	6/7/13 1150	ARCADIS	M.	6/7/13 11:50	TAL
	6/7/13 1700	TAL		6-8-13 0215	TA Bost
TABLATCO	6/10/13 1700	TABLATCO		6-11-13 @ 0830	TAN

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 4.2 #1

TAL-8245-360 1111

Brown, Shali

From: Martz, Ian [Ian.Martz@arcadis-us.com]
Sent: Monday, June 24, 2013 2:00 PM
To: Brown, Shali
Cc: Castelluccio, Chuck
Subject: ARCADIS lab reports
Attachments: E101274_J28559-1_20130605_report.pdf; E101274_J25431-1_20130429_report.pdf; E101274_NUF2439_20110614_report.pdf

Hi Shali-

For the attached lab reports (J28559-1 and J25431-1), can you please see if it is possible to report the full list of VOCs? What we are looking for is the extended list that was used in some soil samples collected from the site in 2011 (NUF2439, attached). Please let me know if you have any questions.

-Ian

Ian A. Martz | Staff Geologist | Remediation East - North | ian.martz@arcadis-us.com
ARCADIS U.S., Inc. | One Executive Drive, Suite 303 | Chelmsford, MA 01824
Direct: 978.322.4526 | Office: 978.937.9999 | Mobile: 717.645.6179 (personal) or 978.435.1847 (field)
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Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 490-28559-1
SDG Number: MA000725.0008.00109

Login Number: 28559
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment B

Disposal Documentation

Invoicing Report

Number	Date	Truck	Net Tons	
E.Q. NORTHEAST, INC.				Customer Number: EQ10
JOB # 9029				
284819	6/6/13	ESM13	36.17 tn	
284821	6/6/13	ESM14	33.92 tn	
284828	6/6/13	ESM13	35.65 tn	
284829	6/6/13	ESM14	33.82 tn	
284834	6/6/13	ESM13	32.85 tn	
284835	6/6/13	ESM14	20.50 tn	
			192.91 tn	
				WASTE OIL
E.Q. NORTHEAST, INC.			192.91 tn	

1010140

ESMI of N.H. (603) 783-0228 Ticket No 284819
67 International Drive Date 9/8/2010

Loudon, NH 03307 Max. Acceptable [illegible]

Customer: EQ10
E.Q. NORTHEAST, INC.
185 INDUSTRIAL ROAD

WRENTHAM, MA 02093

Job No [illegible]
Tibbets Rd
23 Tibbets Rd
Barrington NH
Running Tonnage 3617

Trucker
ESMI2 ESMI 03

Gross : 107460 Scale 1 In [illegible] 09AM
Tare : 35120 [illegible] Out
Net : 72340 lb
36.170

W091 WASTE OIL

Weigh Master: ZIBERNA

Driver:

Remarks: Thank You For Your Business

Received By
Terminal
Load #
Tax #

Total

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determinable rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 231 Roberts Rd 20 From Barrington NH

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** RMATS5VE **No.** 73

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
		32	T	
	Non-Hazardous Contaminated Soil for Recycling			
		ESM/Alouyo		
	Ford Motor Company	36.17	TOW	
	Fa.-Lane Plus North	6/6/23		
	390 Town Center Dr. Suite 800			
	Dearborn, MI 48126			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†This fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Ford Motor Company **Shipper, Per** _____ on behalf of Ford **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Specialist® Forms Rediform, Inc. Made in U.S.A.

44-301-Triplicate
44-302-Quadruplicate

ESMI of N.H.
59 International Drive

(603) 783-6228

Ticket # 284821
Date 6/6/2013

Loudon, NH 03307

Max Acceptable [illegible]

Customer: E210
E.Q. NORTHEAST, INC
185 INDUSTRIAL ROAD

WRENTHAM, MA 02093

Job Reference
Tubes: [illegible]
Tubes: [illegible]
Surcharge: [illegible]
Surcharge Tonnage [illegible]

Trucker:
ESMI4 ESMI 04

Gross : 102560 LBS [illegible]
Tare : 34790 [illegible]

Net : 67890 lb
33.945

4301 WASTE OIL

Weigh Master: [illegible]

Driver:

Remarks: Thank You For Your Business

Material $
Delivery $
[illegible] $
[illegible] $

Total $

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

ESML
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request,

at 2:5 Pm 6/6/20 From Burlington, NH

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which govern the transportation of this shipment, and the applicable motor carrier classification or tariff, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to: [illegible]

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.) Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] Car or Vehicle Initials ESML No. 449

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non Hazardous Contaminated Soil for Recycling			
	Ford Motor Company	ESML/Acquino		
	Fairlane Plaza North	33920 lbs		
	290 Town Center Dr Suite 400			
	Dearborn MI 48126	6/6/23		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Ford Motor Company Shipper, Per [signature] (ALEADIS) on behalf of Ford Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless SpeedStar® Forms
Rediform, Inc. Made in U.S.A.

44-301•Triplicate
44-302•Quadruplicate

ESMI , N.H.
67 International Drive

(603)783-0228

Ticket No : 284926
Date : 6/6/2013

Loudon, NH 03307

Max Accepted Soil 200.00

Customer : 7219
E.Q. NORTHEAST, INC
185 INDUSTRIAL ROAD

WRENTHAM, MA 02093

Job No : 16023
Tibbetts Rd
23 Tibbetts Rd
Barrington NH

Pending Tonnage 105.74

Trucker:
ESMI3 ESMI 03

Gross 106420 Scale 1 In 11:46:49AM
Tare : 35120 STORED Out

Net : 71300 lb
35.650

W001 WASTE OIL

Weigh Master: ANGELA

Driver

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

This Is: is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 65 Tabor Rd 20 From Burlington NJ

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Agreed by shipper and carrier that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee - For purpose of notification only.) Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non Hazardous Contaminated Soil for Recycling			
	Ford Motor Company	FSLI (Arcadis)		
	Fairlane Plaza North	35.45 Ton		
	290 Town Center Dr. Suite 800			
	Dearborn, MI 48126	6/6/13		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The rate based on this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Ford Motor Company Shipper, Per [signature] on behalf of ESLI (ARCADIS) Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Specialist® Forms
Rediform, Inc. Made in U.S.A.

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H. (603)782-0225 Ticket No : 284834
87 International Drive Date : 6/6/2013

Loudon, NH 03307 Max Acceptable Scale 200.00

Customer: E010 Job No : 9029
E.Q. NORTHEAST, INC. Tibbets Rd
185 INDUSTRIAL ROAD 55 Tibbets Rd
Barrington NH
WRENTHAM, MA 02093 Running Tonnage: 139.56

Trucker Gross : 102360 Scale 1 In 12:17:50PM
ESMI4 ESMI 04 Tare : 34740 STORED Out

Net : 67640 lb
33.820

W001 WASTE OIL

Weigh Master: ANGELA

Driver:

Material $
Delivery $
Misc $
Tax $

Total $

Remarks: Thank You For Your Business

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is subject only to filing or record.

ESPI

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dover NH 6/6/13 From Barrington NH

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★

★ It is to be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials ESPI No. 74

No. Packages	Kind of Packages, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34 Tons		
	Ford Motor Company Ford Lime Plant No. 1 290 Town Center Dr. Suite 800 Dearborn, MI 48126	Bill Accrual 33.82 Ton 6/6/13		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

(Shipper's signature in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission)

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

(The fibre board used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

FORD Motor Company Shipper, Per (ARCADIS) on the behalf of FORD Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Specialties® Forms
Rediform, Inc. Made in U.S.A.

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

(603)783-0268

Ticket No : 2948
Date : 6/6/201:

Loudon, NH 03307

Max Acceptable Soil 200.00

Customer: EQ20
E.Q. NORTHEAST, INC.
185 INDUSTRIAL ROAD

WRENTHAM, MA 02093

Job No : 9025
Tibbetts Rd
23 Tibbetts Rd
Barrington NH
Running Tonnage 17.24

Trucker
ESMIS ESMI SS

Gross : 130820 Scale 1 In 9:15:18PM
Tare : 65120 STORED Out

Net : 65700 lb
32.850

W001 WASTE OIL

Weigh Master: ANGELA

Driver:

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

[illegible] is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property [illegible] and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

[illegible] 12/11

(Name of Carrier)

[illegible] mutually determined rates or compensations that have been agreed upon in writing between the carrier and shipper, if applicable, [illegible] rules that have been established by the carrier and are available to the shipper, on request.

[illegible] Products LLC 20 From Owrington, NH

[illegible] the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which govern the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail original address of consignee – For purpose of notification only)

Destination 67 International Dr. Loudon State NH Zip [illegible] County _____ Delivery Address ★ _____

★ To be filled in only when shipper instructs and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		Bulk/Aloft		
	Ford Motor Company	32.55/tons		
	Fairlane Plaza North			
	2101 Town Center Dr. Suite 800			
	Dearborn, MI 48126	6/6/13		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

(Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission)

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

(The line boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.)

FORD MOTOR COMPANY Shipper, Per [illegible] (4 CARS) on behalf of FORD Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM. Carbonless Speedlegal® Forms Rediform, Inc. Made in U.S.A. 44-301•Triplicate 44-302•Quadruplicate

ESMI of N.H.
57 International Drive

(603)739-0228

Ticket No : 54025
Date : 6/5/2014

Location No 03307

Max Acceptable Soil 2000

Customer. EQ10
E.Q. NORTHEAST, INC.
195 INDUSTRIAL ROAD

WRENTHAM, MA 02093

Job No . 9029
Tibbetts Rd
23 Tibbetts Rd
Barrington NH

Running Tonnage 19291

Trucker.
ESMI4 ESMI 04

Gross : 75740 Scale 1 In 6:36:42pm
Tare : 34740 STORED Out

Net : 41000 lb
20.500

Waste WASTE OIL

Weigh Master: ANGELA

Driver.

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

This Memorandum is an acknowledgment that a Bill of Lading has been issued, and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is furnished solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

ESMT
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 225 Libbetts Rd 6/6/13 20 From Barrington, NH

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purpose of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials ESMT No. 44

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	18 TN		
	Ford Motor Company Fairlane Plaza North 290 Town Center Dr Suite 800 Dearborn, MI 48126	ESMT/Accum 20.50 tons 6/4/13		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Ford Motor Company Shipper, Per. [signature] (Ford) Agent, Per. _____
(Arcadis)

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speedset® Forms
Rediform, Inc. Made in U.S.A.

44-301•Triplicate
44-302•Quadruplicate

Attachment C

Photograph Log

Tibbetts Road Overburden Excavation
Photograph Log
June 2013

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 1 – 9/6/2012: View of overburden excavation area prior to excavation, looking east.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 2 – 9/6/2012: View of northern part of excavation area prior to tree clearing or excavation, looking northwest.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 3 – 6/5/2013: View of overburden excavation in progress, looking northwest.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 4 – 6/5/2013: View of overburden excavation progress, looking north.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 5 – 6/5/2013: View of excavation west wall, looking west.

ARCADIS

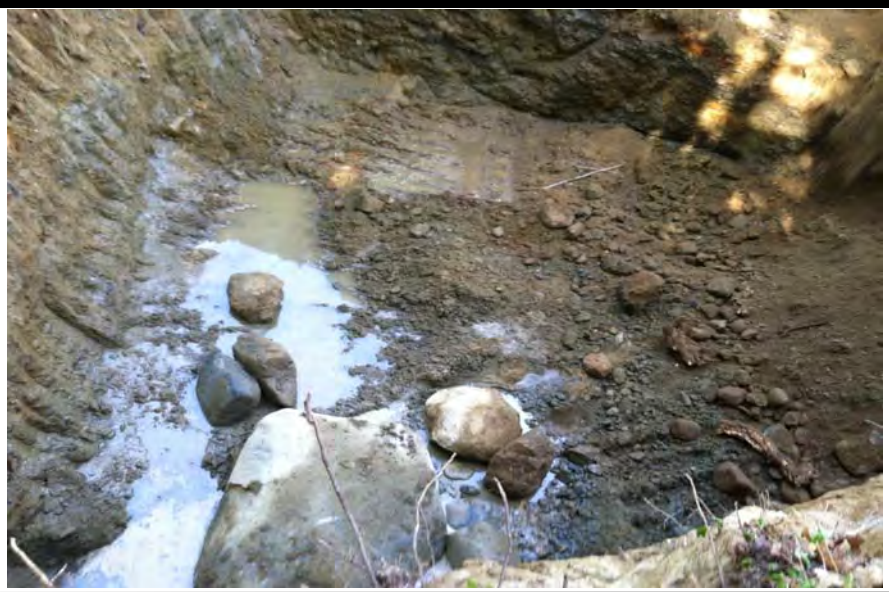
Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 6 – 6/5/2013: View of excavation north wall, looking northwest.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 7 – 6/5/2013: View of east wall prior to expansion on 6/6/2013, looking northeast.



ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 8 – 6/5/2013: View of bottom of excavation, from west wall.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 9 – 6/5/2013: View of backfill being placed in excavation, looking east.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 10 – 6/5/2013: View of stockpiled VOC impacted soil prior to transportation and disposal, looking north.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 11 – 6/6/2013: View of eastern expansion of excavation, looking northeast.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 12 – 6/7/2013: View of backfilled and loamed excavation area, looking northwest.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 13 – 6/7/2013: View of loamed and graded northeastern side of excavation area, looking north.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 14 – 6/7/2013: View of site access and stockpile area, looking east from excavation area.

ARCADIS

Tibbetts Road Site – Overburden Excavation
Barrington, New Hampshire

Picture 15 – 10/2/2013: View of restored excavation area with shrubs planted, looking northwest.