B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General site information. Please provide the following information about the site:

a) Name of **facility/site:** Residential Property		**Facility/site** address: 274 Locust Street		
Location of **facility/site:** longitude: 70 56'21.84 latitude: 42 35'26.46	Facility SIC code(s):	Street: 274 Locust Street		
b) Name of **facility/site owner:** Jay and Tina Meyers		Town: Danvers		
Email address of owner: NA		State: MA	Zip: 01923	County: Essex
Telephone no.of facility/site **owner:** (781) 241-8251				
Fax no. of facility/site **owner:** N/A		**Owner** is (check one): 1. Federal____ 2. State/Tribal_____ 3. Private ✓ 4. other, if so, describe:		
Address of **owner** (if different from site):				
Street:				
Town:	State:	Zip:	County:	
c) Legal name of **operator:** ENPRO Services, Inc.	**Operator** telephone no: (978) 465-1595			
	Operator fax no.: (978) 465-2050		**Operator** email: jgarretson@enpro.com	
Operator contact name and title: Jeffrey Garretson, Project Engineer- Wastewater Treatment Plant Operator, Grade I2				
Address of **operator** (if different from owner):	Street: 12 Mulliken Way			
Town: Newburyport	State: MA	Zip: 01950	County: Essex	

d) Check "yes" or "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Yes___ No ✓, if "yes," number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No ✓, if "yes," date and tracking #:
3. Is the discharge a "new discharge"as defined by 40 CFR 122.2? Yes ✓ No___
4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes ✓ No__

e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes ✓ No___ If "yes," please list: 1. site identification # assigned by the state of NH or MA: RTN#3-27042 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number: Mr. Andrew Clark, MADEP (978) 694-3213	f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y___ N ✓, if Y, number: 2. phase I or II construction storm water general permit? Y___ N ✓, if Y, number: 3. individual NPDES permit? Y___ N ✓, if Y, number: 4. any other water quality related permit? Y___ N ✓, if Y, number:

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:
The subsurface was impacted by a release of #2 fuel oil from an above-ground storage tank located in the basement of the residence. The discharge involves the treatment and discharge of petroleum impacted groundwater at the site.

b) Provide the following information about each discharge:	1) Number of discharge points: 1	2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft3/s)? Max. flow 0.02 Average flow 0.016 Is maximum flow a **design value**? Y___ N ✓ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available.

3) Latitude and longitude of each discharge within 100 feet: pt.1:long. 70 56'20.24 lat. 42 35'27.81; pt.2: long.____ lat.____; pt.3: long.____ lat.____; pt.4:long.____ lat.____; pt.5: long.____ lat.____; pt.6:long.____ lat.____; pt.7: long.____ lat.____; pt.8:long.____ lat.____; etc.

4) If hydrostatic testing, total volume of the discharge (gals): NA	5) Is the discharge intermittent ✓ or seasonal____? Is discharge ongoing Yes____ No ✓ ?__

c) Expected dates of discharge (mm/dd/yy): start 11/15/07 end 11/15/08

d) Please attach a line drawing or flow schematic showing water flow through the facility including:
1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only ✓	VOC with Other Contaminants	Petroleum with Other Contaminants	Listed Contaminated Sites	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method (ug/L)	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids	✓		1	grab	2504D	5000				
2. Total Residual Chlorine	✓		1	grab	330.5	50				
3. Total Petroleum Hydrocarbons		✓	1	grab	8015B	100			12400	1.069
4. Cyanide	✓		1	grab	335.4	20				
5. Benzene		✓	1	grab	8260	20			99	0.0086
6. Toluene		✓	1	grab	MAVPH	20			220	0.0190
7. Ethylbenzene		✓	3	grab	MAVPH	20			116	0.010
8. (m,p,o) Xylenes		✓	3	grab	MAVPH	20			510	0.044
9. Total BTEX[4]		✓	3	grab	MAVPH	20			945	0.081

[4] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method (ug/L)	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide (1,2- Dibromo-methane)	✓		1	grab	8260	20				
11. Methyl-tert-Butyl Ether (MtBE)		✓	1	grab	8260	20			17	0.0015
12. tert-Butyl Alcohol (TBA)	✓		1	grab	8260	200				
13. tert-Amyl Methyl Ether (TAME)	✓		1	grab	8260	20				
14. Naphthalene		✓	1	grab	MAVPH	40			391	0.0337
15. Carbon Tetra-chloride	✓		1	grab	8260	20				
16. 1,4 Dichlorobenzene	✓		1	grab	8260	20				
17. 1,2 Dichlorobenzene	✓		1	grab	8260	20				
18. 1,3 Dichlorobenzene	✓		1	grab	8260	20				
19. 1,1 Dichloroethane	✓		1	grab	8260	20				
20. 1,2 Dichloroethane	✓		1	grab	8260	20				
21. 1,1 Dichloroethylene	✓		1	grab	8260	20				
22. cis-1,2 Dichloro-ethylene	✓		1	grab	8260	20				
23. Dichloromethane (Methylene Chloride)	✓		1	grab	8260	50				
24. Tetrachloroethylene	✓		1	grab	8260	20				

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method (ug/L)	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✓		1	grab	8260	20				
26. 1,1,2 Trichloroethane	✓		1	grab	8260	20				
27. Trichloroethylene	✓		1	grab	8260	20				
28. Vinyl Chloride	✓		1	grab	8260	20				
29. Acetone	✓		1	grab	8260	100				
30. 1,4 Dioxane	✓		1	grab	8260	300				
31. Total Phenols	✓		1	grab	8270C	100				
32. Pentachlorophenol	✓		1	grab	8270C	200				
33. Total Phthalates [5] (Phthalate esthers)	✓		1	grab	8270C	40				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	grab	8270C	40				
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)										
a. Benzo(a) Anthracene	✓		1	grab	8270C	40				
b. Benzo(a) Pyrene	✓		1	grab	8270C	40				
c. Benzo(b)Fluoranthene	✓		1	grab	8270C	40				
d. Benzo(k) Fluoranthene	✓		1	grab	8270C	40				
e. Chrysene	✓		1	grab	8270C	40				

[5] The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method (ug/L)	Maximum daily value		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	✓		1	grab	8270C	40				
g. Indeno(1,2,3-cd) Pyrene	✓		1	grab	8270C	40				
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)										
h. Acenaphthene		✓	1	grab	8270C	40			30	0.0026
i. Acenaphthylene	✓		1	grab	8270C	40				
j. Anthracene	✓		1	grab	8270C	40				
k. Benzo(ghi) Perylene	✓		1	grab	8270C	40				
l. Fluoranthene	✓		1	grab	8270C	40				
m. Fluorene		✓	1	grab	8270C	40			59	0.0051
n. Naphthalene-		✓	1	grab	8270C	40			235	0.0203
o. Phenanthrene		✓	1	grab	8270C	40			131	0.0113
p. Pyrene	✓	✓	1	grab	8270C	40				
37. Total Polychlorinated Biphenyls (PCBs)			1	grab	8082	0.2				
38. Antimony	✓		1	grab	6010B	1				
39. Arsenic	✓	✓	1	grab	6010B	0.1			0.4	0.00
40. Cadmium			1	grab	6010B	0.1				
41. Chromium III			1	grab	7196A	10				
42. Chromium VI	✓		1	grab	7196A	10				

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method (ug/L)	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper		✓	1	grab	6010B	1			16	0.0014
44. Lead		✓	1	grab	6000	0.1			1.8	0.00016
45. Mercury		✓	1	grab	7470A	0.1			0.5	0.00004
46. Nickel		✓	1	grab	6010B	1			4.0	0.00034
47. Selenium	✓		1	grab	6010B	1				
48. Silver	✓		1	grab	6010B	0.1				
49. Zinc		✓	1	grab	6010B	5			31	0.0027
50. Iron		✓	1	grab	6010B	50			220	0.019
Other (describe): 2-Methylnaphthalene		✓	1	grab	8270C	40			448	0.039

c) For discharges where **metals** are believed present, please fill out the following:

Step 1: Do any of the metals in the influent have a **reasonable potential** to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y ✓ N____	If yes, which metals? Copper and Lead
Step 2: For any metals which have **reasonable potential** to exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metals: Copper and Lead DF: 5.2 DF: 1.3 (Lead)	Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y ✓ N____ If "Yes," list which metals: Copper and Lead

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank ✓	Air stripper	Oil/water separator	Equalization tanks	Bag filter ✓	GAC filter ✓
	Chlorination	Dechlorination	Other (please describe):			
c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the treatment system: Average flow rate of discharge 7 Maximum flow rate of treatment system 10 Design flow rate of treatment system 15						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): NA						

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct____	Within facility__	Storm drain ✓	River/brook____	Wetlands____	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: Discharge of treated water will be to a stormwater catch basin located on the corner of Sharons Way and Locust Street. The storm drain discharges to Frost Fish Brook.						
c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: 1. For multiple discharges, number the discharges sequentially. 2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.						
d) Provide the state water quality classification of the receiving water B,						
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 0.00813 cfs Please attach any calculation sheets used to support stream flow and dilution calculations.						
f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes ✓ No____ If yes, for which pollutant(s)? Pathogens Is there a TMDL? Yes ✓ No____ If yes, for which pollutant(s)?						

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes____No_✓_
Has any consultation with the federal services been completed ? Yes___ No_✓_ or is consultation underway? Yes ____ No_✓_
What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (check one):
a "no jeopardy" opinion? _____or written concurrence____ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
Yes_____ No_✓_ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes_____ No_✓_

7. Supplemental information. :

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name: Residential Property

Operator signature: Jeffrey Hartman

Title: Project Engineer - WWTP operator ENPRO Services INC.

Date: 11/9/2007

7. Supplemental information. :

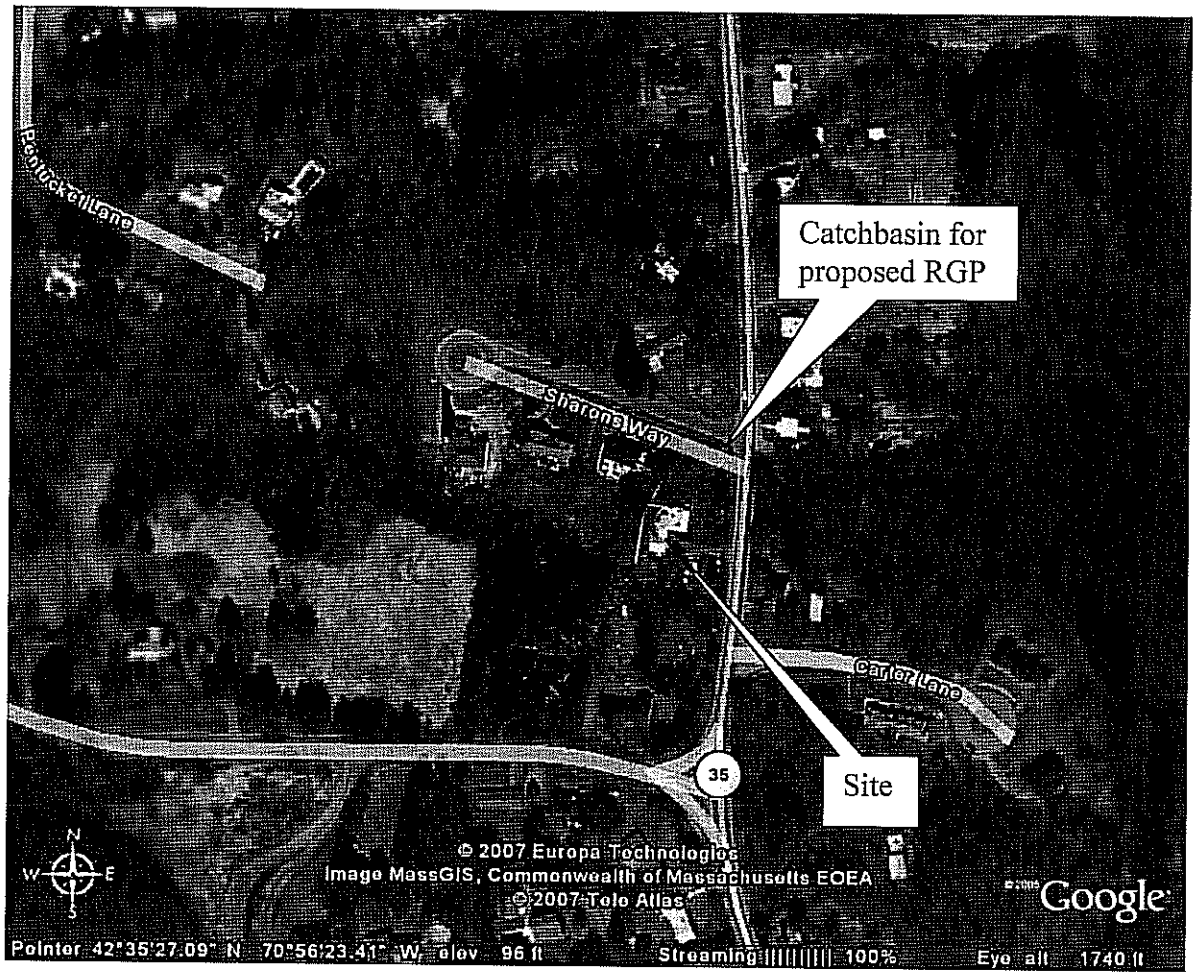
Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

As per Section 5,
e) 7Q10 was derived by refering to the http://ma.water.usgs.gov/streamstats/. M7D10Y=0.00813
DF=(Qd+Qs)/Qd
Qs=0.00813
Qd=0.02
DF=1.4

f) attached is a copy of Massachusetts Catergory 5 Waters "Waters requiring a TMDL" Frost Fish Brook is listed.
As per Section 6,
- Reviewing the National register of Historic Places http://www.cr.nps.gov/nr/research/nris.htm, attached is a copy of the listed index by State and City Report for Danvers

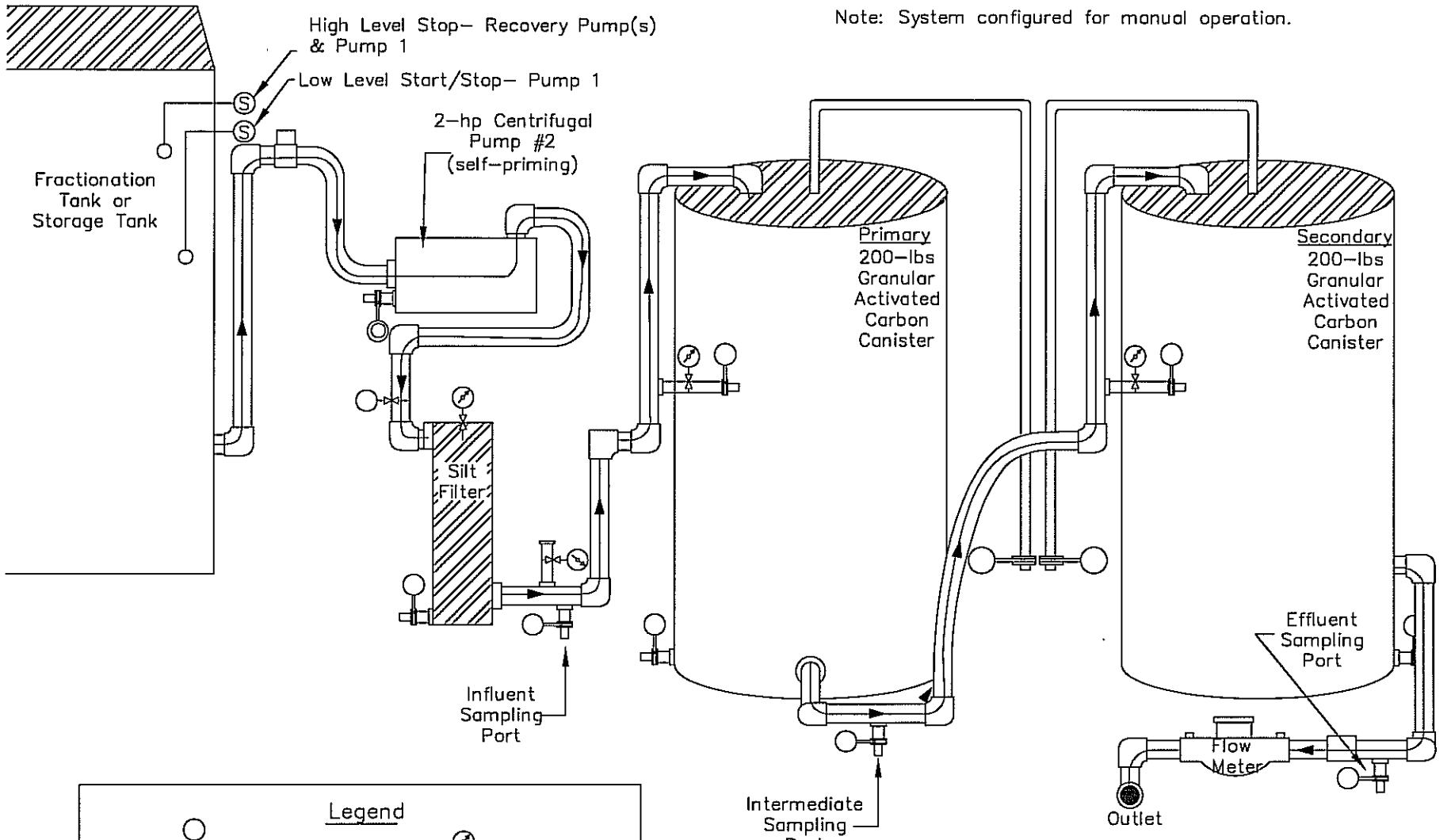
Atached:
Figure 1. Site Locus Map
Figure 2. Groundwater Treatment System Schematic
Figure 3. Monitoring Well Location Plan
Figure 4. MADEP Priority Resources Map
Figure 5. USGS Stream Stats
USGS Stream Stats, Statistics Report for Frost Fish Brook
Analytical Laboratory Report # 59804

FIGURE 1 – SITE LOCUS MAP



Site Locus Map

Figure 1

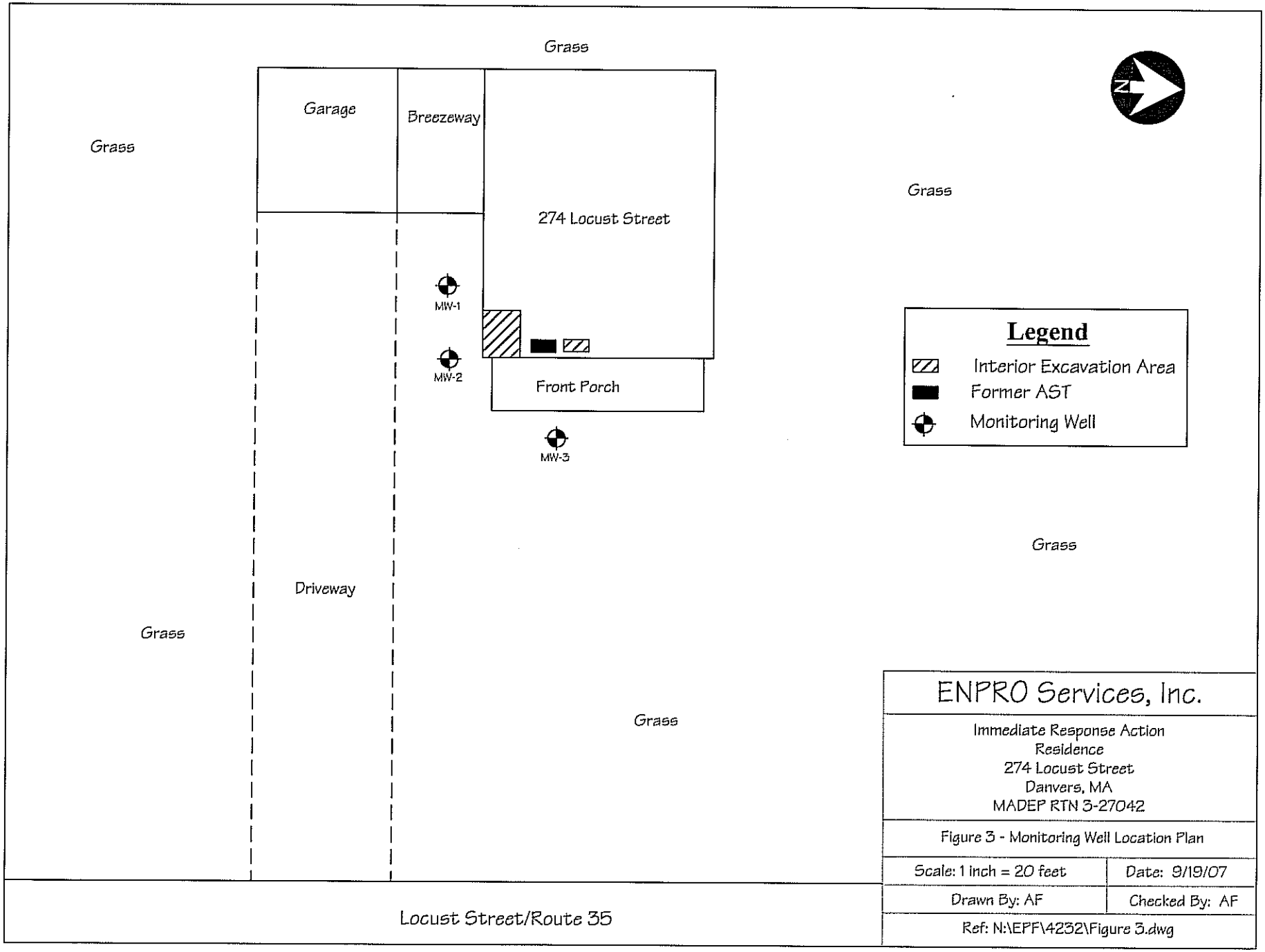


Legend

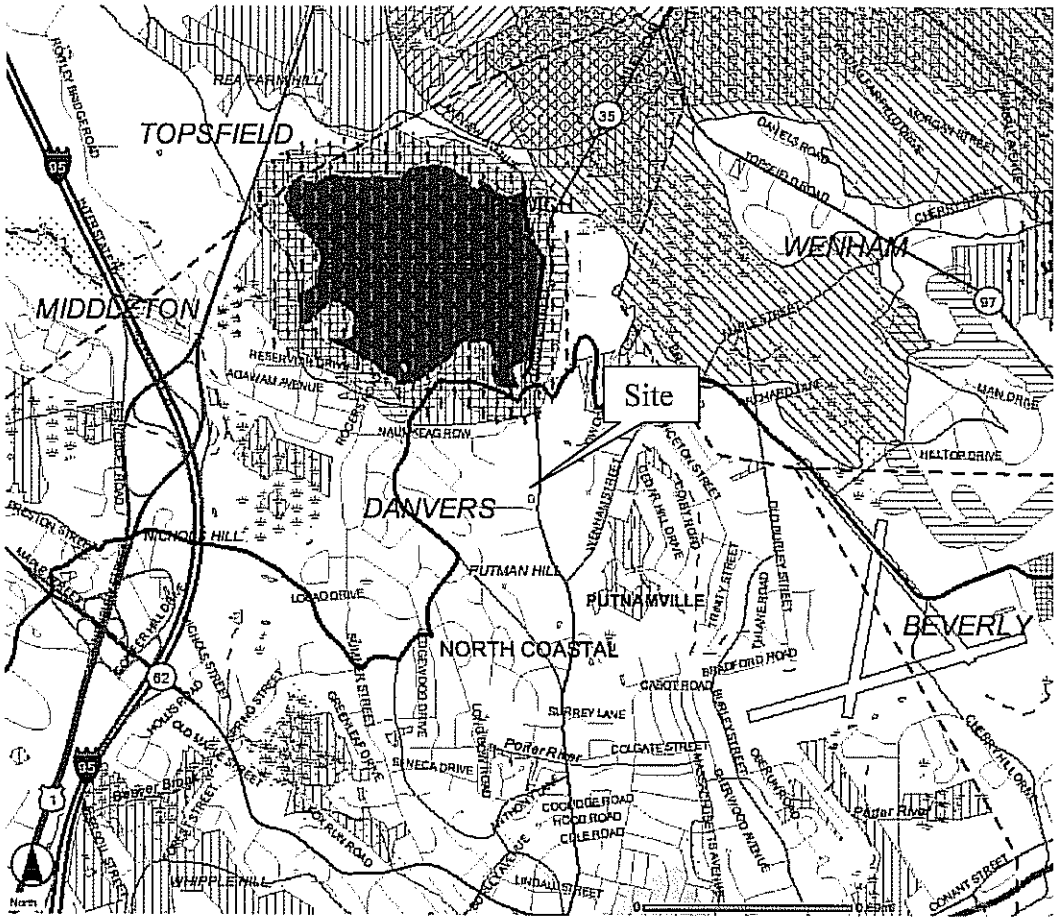
- Drain Valve
- Pressure Guage
- Float Switch
- Valve
- Red Indicates the Flow Through the Treatment System

NOTE:
All groundwater treatment components are enclosed in heated, locked, mobile trailer with exception of recovery pump(s) and/or fractionation tanks.

ENPRO Services, Inc.	
Residential Property 274 Locust Street Danvers, MA	
Proposed 10 GPM Groundwater Treatment System Schematic	
Not To Scale	Date: April 23, 2007
N:\CEJ\15 GPM Treatment System Schematic.dwg	Drawn By: JWG


Grass
Garage
Breezeway
Grass
274 Locust Street
Grass
MW-1
MW-2
Front Porch
MW-3
Legend
Interior Excavation Area
Former AST
Monitoring Well
Grass
Driveway
Grass
Grass
Locust Street/Route 35
ENPRO Services, Inc.
Immediate Response Action
Residence
274 Locust Street
Danvers, MA
MADEP RTN 3-27042
Figure 3 - Monitoring Well Location Plan
Scale: 1 inch = 20 feet
Date: 9/19/07
Drawn By: AF
Checked By: AF
Ref: N:\EPF\4232\Figure 3.dwg

MADEP PRIORITY RESOURCES MAP



DEP MCP 21e Map Legend

- Zone IIs
- IWPAs
- Zone A
- Sole Source Aquifers
- Solid Waste Sites
- Protected Openspace
- ACECs
- NHESP Estimated Habitat of Rare Wildlife in Wetland Areas
- Certified Vernal Pools 2003 NHESP
- Subbasins
- Mass Major Basins
- DEP Region
- Town Arcs
- County Boundaries

Aquifers, By Yield
- HIGH YIELD
- MEDIUM YIELD

Non Potential Drinking Water Source Area
- HIGH YIELD
- MEDIUM YIELD

FEMA Floodplains
- 100 YEAR FLOODPLAIN

Hydrography
- WATER
- RESERVOIR
- WETLANDS
- SALTWATER WETLANDS
- FLATS,SHOALS

Rivers and Streams
- PERENNIAL
- INTERMITTENT
- SHORELINE
- MAN MADE SHORE
- DAM
- AQUEDUCT

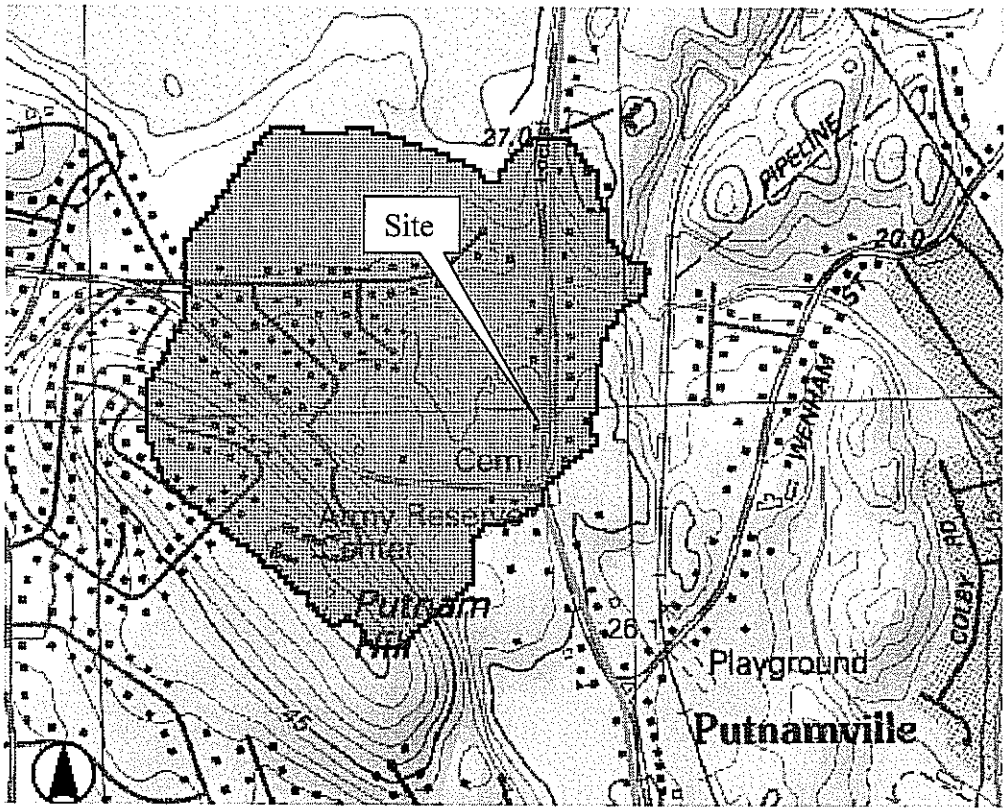
EOT-OTP Roads
- LIMITED ACCESS HIGHWAY
- MULTI LANE HWY, NOT LIMITED ACCESS
- OTHER NUMBERED HWY
- MAJOR ROAD - COLLECTOR
- MINOR STREET OR ROAD, RAMP

Tracks and Trails MHD
- TRACK
- TRAIL

Transmission Lines
- PIPELINE
- POWERLINE
- TRAIN

Plan adapted from http://maps.massgis.state.ma.us/21e/viewer.htm **Figure 4**
September 18, 2007

USGS Stream Stats



Legend

- Point Delineation
- Watershed Delineation
- Place Names
- HIGHWAYS
- Interstates
- Highways
- Secondary Roads
- ROADS
- Local Roads
- Towns
- 25K NHD Flowlines
- Gray 30M Relief
- 24K_DRG
- 0
- 1
- 2
- 3
- 4
- 5
- 6

USGS StreamStats

Streamflow Statistics Report

Date: Mon Oct 29 2007 08:24:11
Site Location: Massachusetts
Drainage Area: 0.23 mi2
Latitude (NAD83): 42.5928 (42 35 34)
Longitude (NAD83): -70.9373 (-70 56 14)

Low Flow Basin Characteristics			
100% Statewide Low Flow (0.23 mi2)			
Parameter	**Value**	**Min**	**Max**
Drainage Area (square miles)	0.23 (below min value 1.61)	1.61	149
Mean Basin Slope from 250K DEM (percent)	3.72	0.32	24.6
Stratified Drift per Stream Length (square mile per mile)	0.25	0	1.29
Massachusetts Region (dimensionless)	0	0	1

Warning: Some parameters are outside the suggested range. Estimates will be extrapolations with unknown errors.

Streamflow Statistics					
Statistic	**Flow (ft^3/s)**	**Prediction Error (percent)**	**Equivalent years of record**	**90-Percent Prediction Interval**	
				Minimum	**Maximum**
D50	0.21				
D60	0.14				
D70	0.0865				
D75	0.0661				
D80	0.0662				
D85	0.0476				
D90	0.0401				
D95	0.021				
D98	0.0128				
D99	0.00865				
Low-Flow Statistics					
M7D2Y	0.019				
AUGD50	0.0491				
M7D10Y	0.00813				

Massachusetts Category 5 Waters
"Waters requiring a TMDL"

NAME	SEGMENT ID	DESCRIPTION	SIZE	POLLUTANT NEEDING TMDL [EPA APPROVAL DATE-DOCUMENT CONTROL NUMBER]
Crane River (9355275)	MA93-38_2006	Outlet Mill Pond, Danvers to outlet of pump house sluiceway at Purchase Street, Danvers.	0.34 miles	-Pathogens -Turbidity
Crane River (9355275)	MA93-41_2006	Outlet pump house sluiceway at Purchase Street, Danvers to confluence Danvers River, Danvers.	0.07 sq mi	-Pathogens
Danvers River (9355200)	MA93-09_2006	Confluence with Porter, Crane and Waters rivers,Danvers to mouth at Beverly Harbor, Beverly/Salem.	0.53 sq mi	-Pathogens
Essex Bay (93901)	MA93-16_2006		1.1 sq mi	-Pathogens
Essex River (9354625)	MA93-11_2006	Source east of Southern Avenue to mouth at Essex Bay, Essex.	0.53 sq mi	-Pathogens
Flax Pond (93023)	MA93023_2006	Lynn	55.4 acres	-Pesticides -Noxious aquatic plants -Turbidity -(Exotic species*)
Floating Bridge Pond (93024)	MA93024_2006	Lynn	11.9 acres	-Nutrients -Noxious aquatic plants -Turbidity
Forest River (9355500)	MA93-10_2006	Approximately 1/2 mile upstream of Loring Avenue, Salem to mouth at Salem Harbor, Salem/Marblehead.	0.02 sq mi	-Organic enrichment/Low DO -(Flow alteration*) -(Other habitat alterations*) -Pathogens
Foster Pond (93026)	MA93026_2006	Swampscott	4.6 acres	-Pesticides
Frost Fish Brook (9355250)	MA93-36_2006	Headwaters, southeast of Danvers locality of Putnamville to confluence Porter River just south of Route 62, Danvers.	1.0 miles	-Pathogens
Gloucester Harbor (93903)	MA93-18_2006		2.3 sq mi	-Pathogens
Goldthwait Brook (9355450)	MA93-05_2006	Outlet Cedar Pond to confluence with Proctor Brook, Peabody.	2.8 miles	-Cause Unknown -Unknown toxicity -Unionized Ammonia -Nutrients -Organic enrichment/Low DO -(Flow alteration*) -(Other habitat alterations*) -Pathogens -Noxious aquatic plants
Hawkes Brook (9355650)	MA93-32_2006	Headwaters at the Lynn/Lynnfield border to the outlet of Hawkes Pond in North Saugus.	3.7 miles	-Pathogens
Hawkes Brook (9355650)	MA93-33_2006	Outlet of Hawkes Pond, North Saugus to confluence with Saugus River, Saugus.	1.1 miles	-Pathogens
Hawkes Pond (93032)	MA93032_2006	Lynnfield	64.5 acres	-Turbidity
Lily Pond (93039)	MA93039_2006	Gloucester	23.3 acres	-Noxious aquatic plants -Turbidity
Lynn Harbor (93909)	MA93-23_2006		6.8 sq mi	-Pathogens
Manchester Harbor (93904)	MA93-19_2006		0.30 sq mi	-Pathogens
Marblehead Harbor (93908)	MA93-22_2006		0.56 sq mi	-Pathogens
Mill River (9354850)	MA93-28_2006	Outlet Mill Pond, Gloucester to confluence with Annisquam River, Gloucester.	0.10 sq mi	-Pathogens

* - non Pollutant
[ ] – TMDL (Restorative)
< > – TMDL (Protective)

Index by State and City report

Row	STATE	COUNTY	RESOURCE NAME	ADDRESS	CITY	LISTED	MULTIPLE
1	MA	Essex	Derby Summerhouse	Magna Estate, Ing	Danvers	11/24/1968	
2	MA	Essex	Fowler, Rea Putnam, House	4 Elerton Pl.	Danvers	3/9/1990	First Period Buildings of Eastern Massachusetts TR
3	MA	Essex	Fox Hill School	81 Water St.	Danvers	2/10/1988	
4	MA	Essex	High Street Cemetery	45 High St.	Danvers	5/9/2003	
5	MA	Essex	Osborne, Prince, House	273 Maple St.	Danvers	3/9/1990	First Period Buildings of Eastern Massachusetts TR
6	MA	Essex	Peabody Institute	15 Sylvan St.	Danvers	12/22/1997	
7	MA	Essex	Putnam, Gen. Israel, House	431 Maple St.	Danvers	4/30/1976	
8	MA	Essex	Putnam, James, Jr., House	42 Summer St.	Danvers	3/9/1990	First Period Buildings of Eastern Massachusetts TR
9	MA	Essex	Rea-Proctor Homestead	180 Conant Farm	Danvers	6/2/1982	
10	MA	Essex	Salem Village Historic District	Irregular pattern along Centre, Hobart, Ingersoll, and Collins Sts., as far N as Brentwood Circle, and S to Mello Pkwy.	Danvers	1/31/1975	
11	MA	Essex	Sprague House	59 Endicott St.	Danvers	7/2/1987	
12	MA	Essex	State Lunatic Hospital at Danvers	450 Maple St.	Danvers	1/26/1984	
13	MA	Essex	White--Preston House	592 Maple St.	Danvers	3/9/1990	First Period Buildings of Eastern Massachusetts TR

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Mr. Andy Fiedler
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

Report Number: 59804

Revision: Rev. 0

Re: Goldstar **4232-07**

Enclosed are the results of the analyses on your sample(s). Samples were received on 02 October 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
59804-1	10/02/07	MW-1	MADEP EPH	
	10/02/07	MW-1	Metals	
	10/02/07	MW-1	Metals Digestion	
	10/02/07	MW-1	Sulfate	
	10/02/07	MW-1	Volatile Petroleum Hydrocarbons	
59804-2	10/02/07	MW-2	MADEP EPH	
	10/02/07	MW-2	Metals	
	10/02/07	MW-2	Metals Digestion	
	10/02/07	MW-2	Sulfate	
	10/02/07	MW-2	Volatile Petroleum Hydrocarbons	
59804-3	10/02/07	MW-3	Cyanide	
	10/02/07	MW-3	EPA 8015 - TPH	
	10/02/07	MW-3	EPA 8082 (PCBs only)	
	10/02/07	MW-3	EPA 8260 Volatile Organics	
	10/02/07	MW-3	EPA 8270 Acid/Base Neutrals	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 10/19/2007

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Enclosed are the results of the analyses on your sample(s). Samples were received on 02 October 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
	10/02/07	MW-3	MADEP EPH	
	10/02/07	MW-3	Metals	
	10/02/07	MW-3	Metals Digestion	
	10/02/07	MW-3	Subcontract	
	10/02/07	MW-3	Sulfate	
	10/02/07	MW-3	Total Suspended Solids	
	10/02/07	MW-3	Volatile Petroleum Hydrocarbons	
59804-4	10/02/07	Trip Blank	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

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Date 10/19/2007

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Mr. Andy Fiedler
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

October 17, 2007

SAMPLE DATA

Lab Sample ID: B810057B
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 10/05/07

CLIENT SAMPLE ID

Project Name: Goldstar

Project Number: 4232-07

Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether (MTBE)	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U	1,4-Dioxane	30	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106 %	d8-Toluene	98 %	Bromofluorobenzene	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

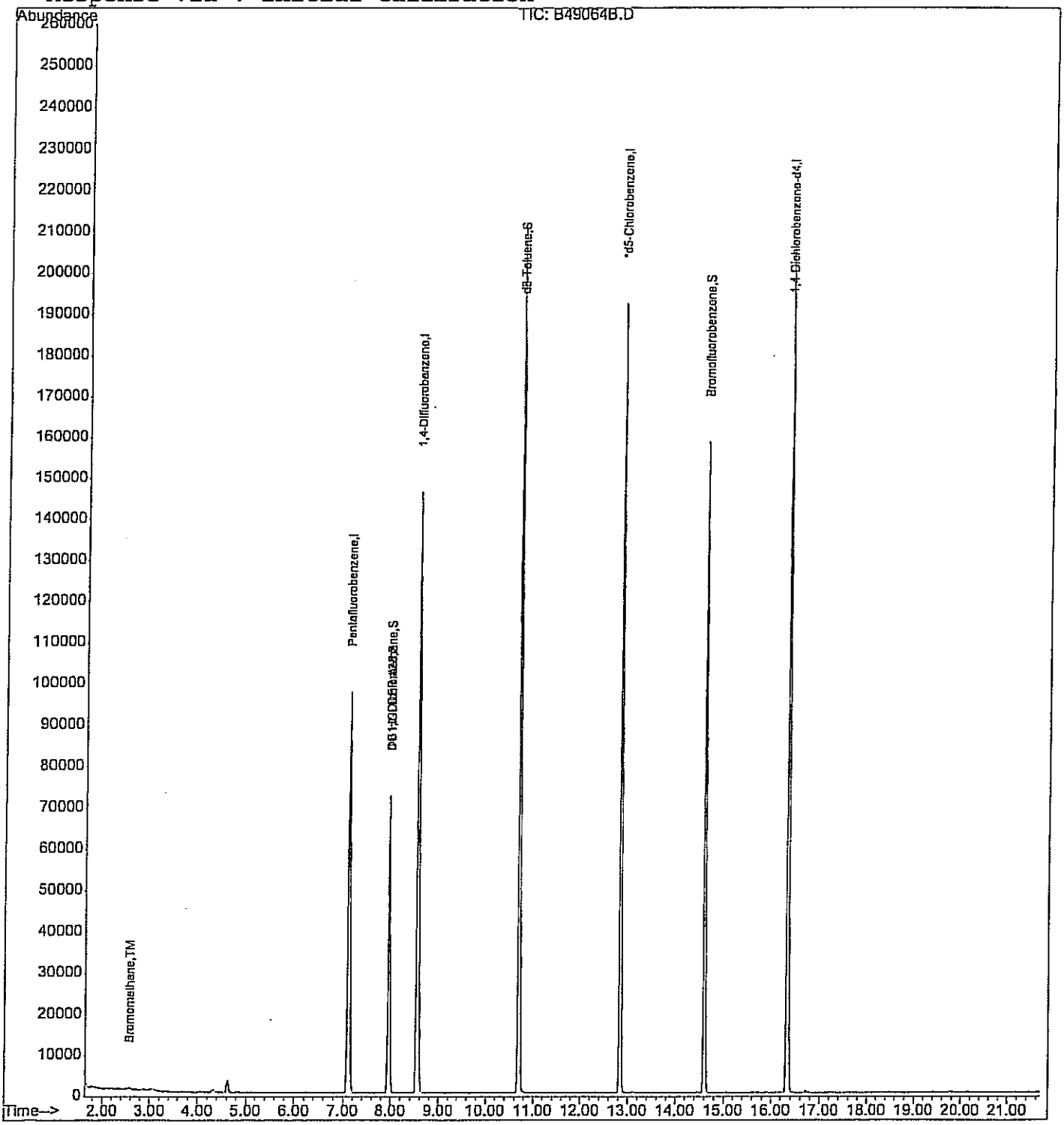
8260 MCP (3) + Dioxane

Authorized signature

Quantitation Report

Data File : C:\HPCHEM\1\DATA\100507-B\B49064B.D Vial: 7
Acq On : 5 Oct 2007 12:45 pm Operator:
Sample : B810057B Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 5 13:05 2007 Quant Results File: V810037B.RF

Method : C:\HPCHEM\1\METHODS\V810037B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 04 07:06:27 2007
Response via : Initial Calibration



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Mr. Andy Fiedler
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

October 18, 2007

SAMPLE DATA

Lab Sample ID: B10087AW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/07
Analysis Date: 10/09/07

CLIENT SAMPLE ID

Project Name: Goldstar
Project Number: 4232-07
Field Sample ID: LAB QC

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/L	Result µg/L	COMPOUND	Detection Limit µg/L	Result µg/L
Acenaphthene	2	U	2,4-dinitrophenol	5	U
Acenaphthylene	2	U	2,4-Dinitrotoluene	2	U
Anthracene	2	U	2,6-Dinitrotoluene	2	U
Benzo[a]anthracene	2	U	di-n-octyl-phthalate	2	U
Benzo[b] fluoranthene	2	U	Fluoranthene	2	U
Benzo[k] fluoranthene	2	U	Fluorene	2	U
Benzo(g,h,i) perylene	2	U	Hexachlorobenzene	2	U
Benzo[a] pyrene	2	U	Hexachlorobutadiene	2	U
Bis(2-chloroethoxy)methane	2	U	Hexachloroethane	2	U
bis(2-chloroethyl) ether	2	U	Indeno [1,2,3-cd] pyrene	2	U
bis(2-chloroisopropyl)ether	2	U	Isophorone	2	U
Bis (2-ethylhexyl) phthalate	2	U	2-Methylnaphthalene	2	U
4-bromophenyl phenyl ether	2	U	2-Methylphenol	5	U
Butyl benzyl phthalate	2	U	3+4-Methylphenol	5	U
4-Chloroaniline	2	U	Naphthalene	2	U
2-Chloronaphthalene	2	U	Nitrobenzene	2	U
2-Chlorophenol	5	U	2-Nitrophenol	5	U
Chrysene	2	U	4-Nitrophenol	5	U
Dibenz [a,h] anthracene	2	U	Pentachlorophenol	10	U
Dibenzofuran	2	U	Phenanthrene	2	U
Di-n-butyl phthalate	2	U	Phenol	5	U
1,2-Dichlorobenzene	2	U	Pyrene	2	U
1,3-Dichlorobenzene	2	U	1,2,4-Trichlorobenzene	2	U
1,4-Dichlorobenzene	2	U	2,4,5-Trichlorophenol	5	U
3,3'-Dichlorobenzidine	20	U	2,4,6-Trichlorophenol	5	U
2,4-Dichlorophenol	5	U	Acetophenone	5	U
Diethyl Phthalate	2	U	Azobenzene	2	U
2,4-Dimethylphenol	5	U			
Dimethyl Phthalate	2	U			
Aniline	2	U			

Surrogate Standard Recovery

2-Fluorophenol	33 %	d5-Phenol	23 %	d5-nitrobenzene	49 %
2-Fluorobiphenyl	51 %	2,4,6-Tribromophenol	75 %	d14-p-terphenyl	88 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS:

Authorized signature

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Mr. Andy Fiedler
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

October 17, 2007

CLIENT SAMPLE ID

Project Name: Goldstar

Project Number: 4232-07
Client Sample ID: MW-1

SAMPLE DATA

Lab Sample ID: 59804-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 10/02/07
Lab Receipt Date: 10/02/07
Analysis Date: 10/11/07

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	50	µg/L	U
Unadjusted C9-C12 Aliphatics[1]	N/A	50	µg/L	U
Benzene	C5-C8	2	µg/L	U
Ethylbenzene	C9-C12	2	µg/L	U
Methyl-tert-butyl ether	C5-C8	2	µg/L	U
Naphthalene	N/A	2	µg/L	U
Toluene	C5-C8	2	µg/L	U
m- & p-Xylenes	C9-C12	4	µg/L	U
o-Xylene	C9-C12	2	µg/L	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	50	µg/L	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	µg/L	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	10	µg/L	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				101
Surrogate % Recovery (2,5-Dibromotoluene) FID				101
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004.

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

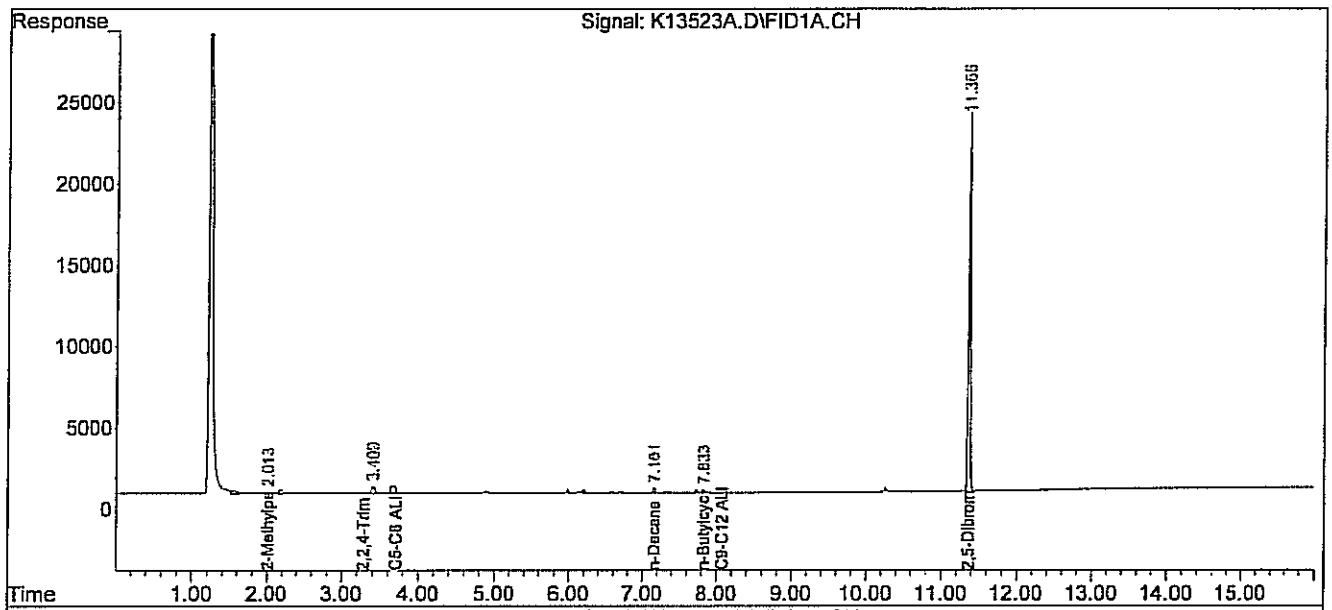
Authorized signature: M Lincoln

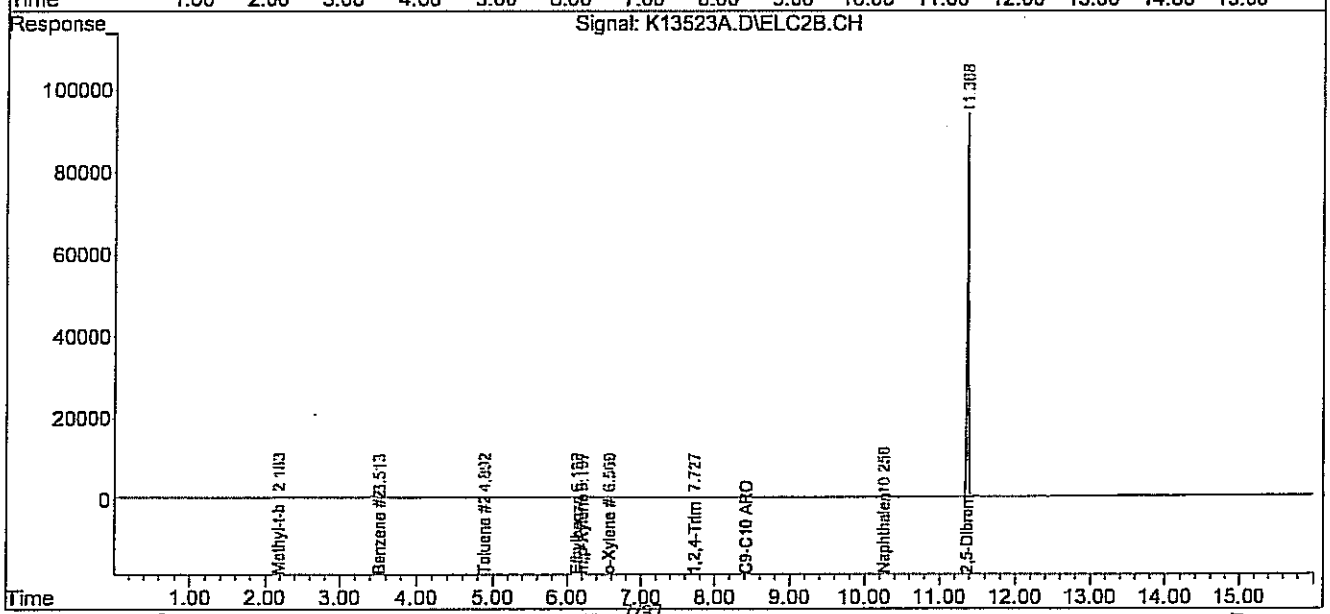
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101007-K\
Data File : K13523A.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 11 Oct 2007 9:52 am
Operator :
Sample : 59804-1
Misc : 5000
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 11 20:02:05 2007
Quant Method : C:\msdchem\1\METHODS\VPH10107.M
Quant Title : Volatile Petroleum Hydrocarbons
QLast Update : Thu Oct 11 19:58:08 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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October 19, 2007

Mr. Andy Fiedler
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

CLIENT SAMPLE ID

Project Name: Goldstar

Project Number: 4232-07
Client Sample ID: MW-1

SAMPLE DATA

Lab Sample ID: 59804-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.1
Collection Date: 10/02/07
Lab Receipt Date: 10/02/07
Extraction Date: 10/10/07
Analysis Date: 10/18/07

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics [1]		170	µg/L	U
Diesel PAH Analytes	Naphthalene	4	µg/L	U
	2-Methylnaphthalene	4	µg/L	U
	Phenanthrene	4	µg/L	U
	Acenaphthene	4	µg/L	U
Other Target PAH Analytes	Acenaphthylene	4	µg/L	U
	Fluorene	4	µg/L	U
	Anthracene	4	µg/L	U
	Fluoranthene	4	µg/L	U
	Pyrene	4	µg/L	U
	Benzo[a]anthracene	4	µg/L	U
	Chrysene	4	µg/L	U
	Benzo[b]fluoranthene	4	µg/L	U
	Benzo[k]fluoranthene	4	µg/L	U
	Benzo[a]pyrene	4	µg/L	U
	Indeno[1,2,3-cd]pyrene	4	µg/L	U
	Dibenzo[a,h]anthracene	4	µg/L	U
	Benzo[g,h,i]perylene	4	µg/L	U
C9-C18 Aliphatic Hydrocarbons [1]		220	µg/L	U
C19-C36 Aliphatic Hydrocarbons [1]		220	µg/L	U
C11-C22 Aromatic Hydrocarbons [1,2]		170	µg/L	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				63
Aromatic Surrogate % Recovery (O-Terphenyl)				68
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				70
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				65
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3510C.

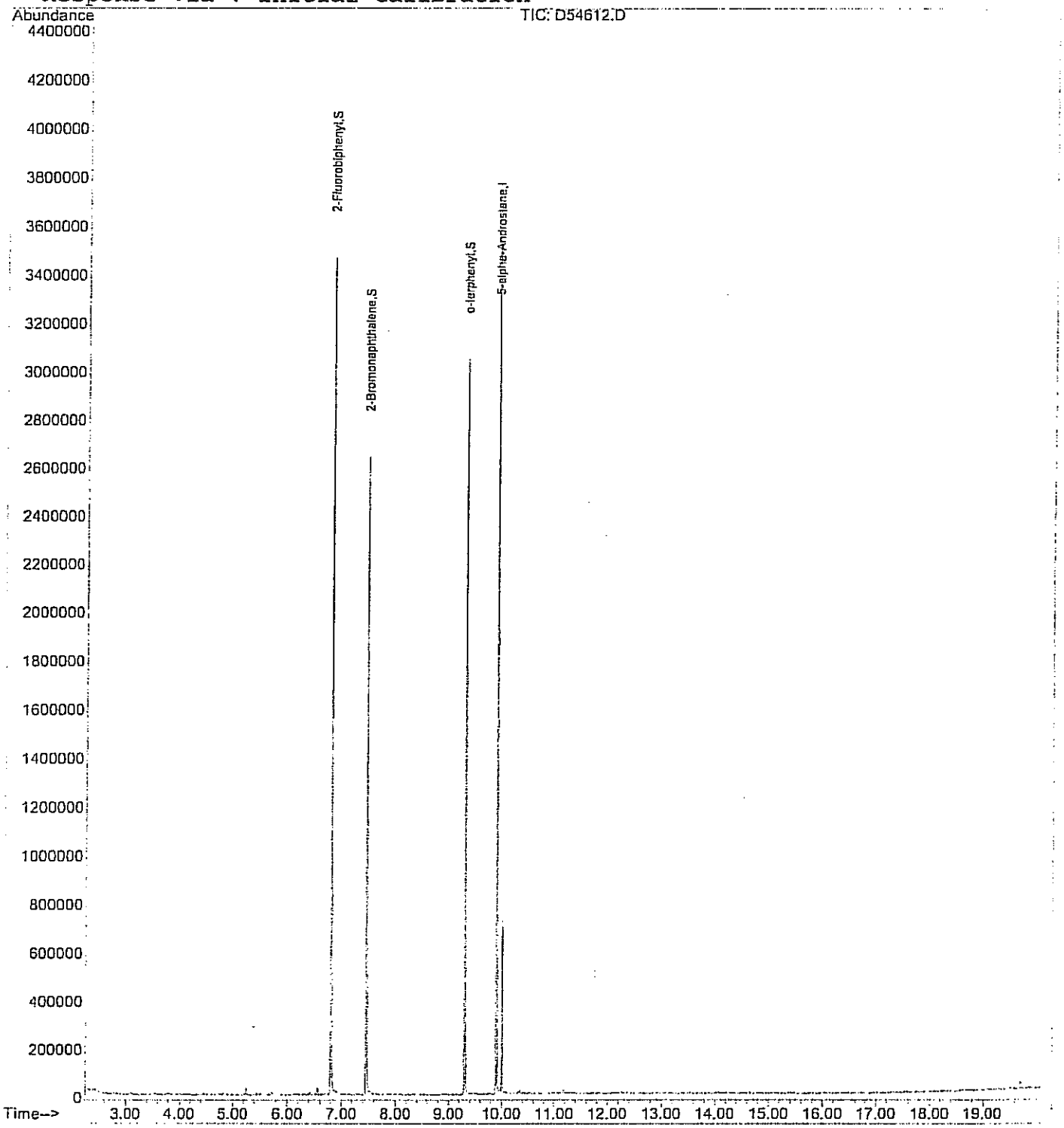
COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

SIGNATURE: MPlimdall

Quantitation Report

Data File : D:\HPCHEM\1\DATA\101707-D\D54612.D Vial: 14
Acq On : 18 Oct 2007 4:17 am Operator:
Sample : 59804-1 Inst : GC/MS Ins
Misc : ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 18 10:03 2007 Quant Results File: ARM10167.R

Method : D:\HPCHEM\1\METHODS\ARM10167.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Oct 17 23:22:36 2007
Response via : Initial Calibration

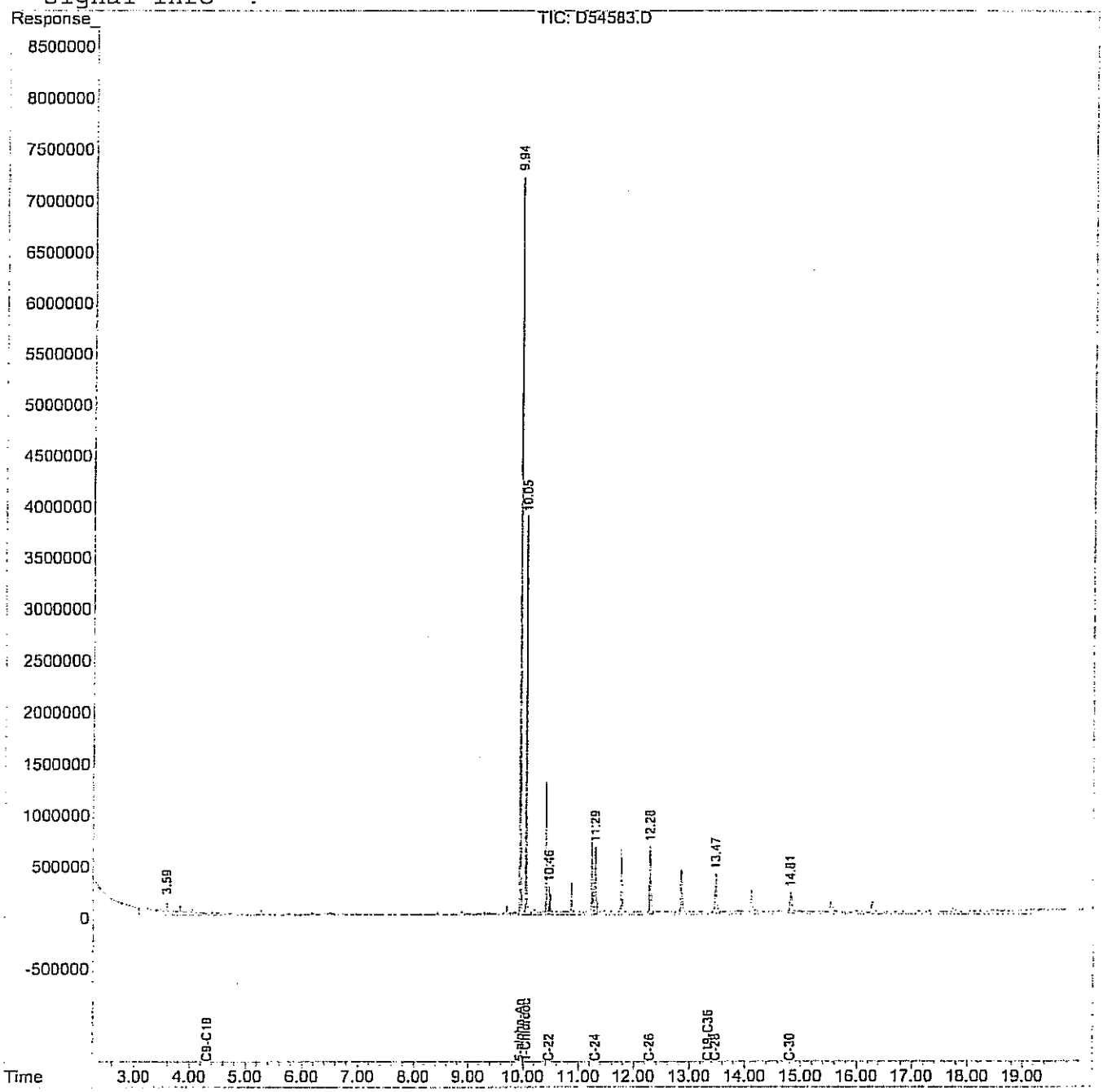


Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\101607-D\D54583.D Vial: 21
Acq On : 17 Oct 2007 10:28 am Operator:
Sample : 59804-1 Inst : GC/MS Ir
Misc : ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 17 21:53 2007 Quant Results File: ALG10167.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG10167.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Oct 17 03:11:21 2007
Response via : Multiple Level Calibration
DataAcq Meth : EPH

Volume Inj. :
Signal Phase :
Signal Info :



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Mr. Andy Fiedler
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

October 17, 2007

CLIENT SAMPLE ID

Project Name: Goldstar

Project Number: 4232-07
Client Sample ID: MW-2

SAMPLE DATA

Lab Sample ID: 59804-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 5
Collection Date: 10/02/07
Lab Receipt Date: 10/02/07
Analysis Date: 10/11/07

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	250	µg/L	342
Unadjusted C9-C12 Aliphatics[1]	N/A	250	µg/L	2640
Benzene	C5-C8	10	µg/L	23
Ethylbenzene	C9-C12	10	µg/L	12
Methyl-tert-butyl ether	C5-C8	10	µg/L	U
Naphthalene	N/A	10	µg/L	81
Toluene	C5-C8	10	µg/L	12
m- & p-Xylenes	C9-C12	20	µg/L	106
o-Xylene	C9-C12	10	µg/L	72
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	250	µg/L	307
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	250	µg/L	1920
C9-C10 Aromatic Hydrocarbons[1]	N/A	50	µg/L	529
Surrogate % Recovery (2,5-Dibromotoluene) PID				100
Surrogate % Recovery (2,5-Dibromotoluene) FID				101
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004.

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

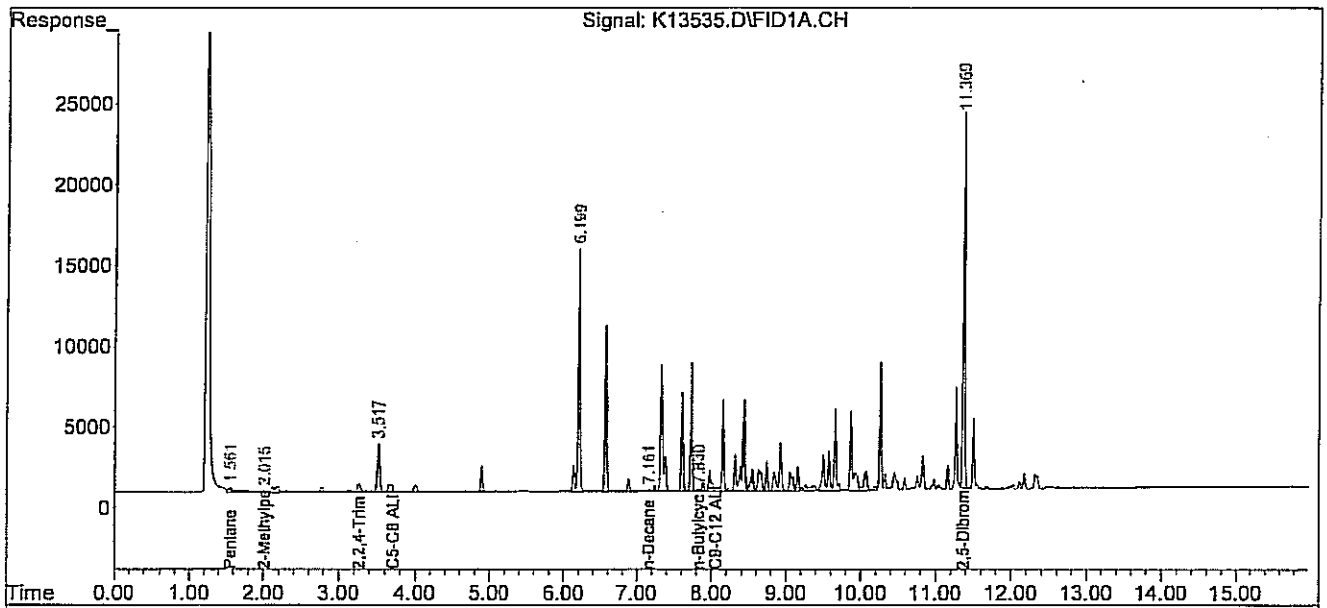
Authorized signature: [signature]

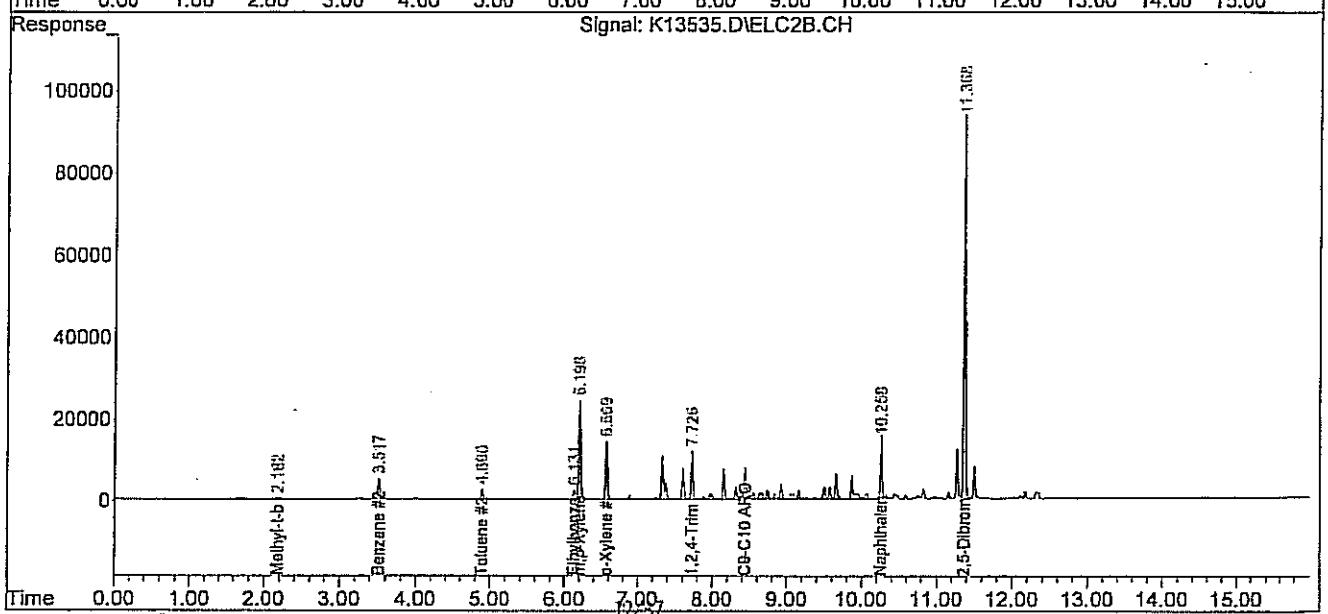
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101007-K\
Data File : K13535.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 11 Oct 2007 10:54 pm
Operator :
Sample : 59804-2
Misc : 1000
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 11 23:17:44 2007
Quant Method : C:\msdchem\1\METHODS\VPH10107.M
Quant Title : Volatile Petroleum Hydrocarbons
QLast Update : Thu Oct 11 19:58:08 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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800-929-9906

October 19, 2007

Mr. Andy Fiedler
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

CLIENT SAMPLE ID

Project Name: Goldstar

Project Number: 4232-07
Client Sample ID: MW-2

SAMPLE DATA

Lab Sample ID: 59804-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 10/02/07
Lab Receipt Date: 10/02/07
Extraction Date: 10/10/07
Analysis Date: 10/18/07

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics [1]		150	µg/L	336
Diesel PAH Analytes	Naphthalene	4	µg/L	45
	2-Methylnaphthalene	4	µg/L	41
	Phenanthrene	4	µg/L	U
	Acenaphthene	4	µg/L	U
Other Target PAH Analytes	Acenaphthylene	4	µg/L	U
	Fluorene	4	µg/L	U
	Anthracene	4	µg/L	U
	Fluoranthene	4	µg/L	U
	Pyrene	4	µg/L	U
	Benzo[a]anthracene	4	µg/L	U
	Chrysene	4	µg/L	U
	Benzo[b]fluoranthene	4	µg/L	U
	Benzo[k]fluoranthene	4	µg/L	U
	Benzo[a]pyrene	4	µg/L	U
	Indeno[1,2,3-cd]pyrene	4	µg/L	U
	Dibenzo[a,h]anthracene	4	µg/L	U
	Benzo[g,h,i]perylene	4	µg/L	U
C9-C18 Aliphatic Hydrocarbons [1]		200	µg/L	U
C19-C36 Aliphatic Hydrocarbons [1]		200	µg/L	U
C11-C22 Aromatic Hydrocarbons [1,2]		150	µg/L	245
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				88
Aromatic Surrogate % Recovery (O-Terphenyl)				76
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				65
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				55
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3510C.

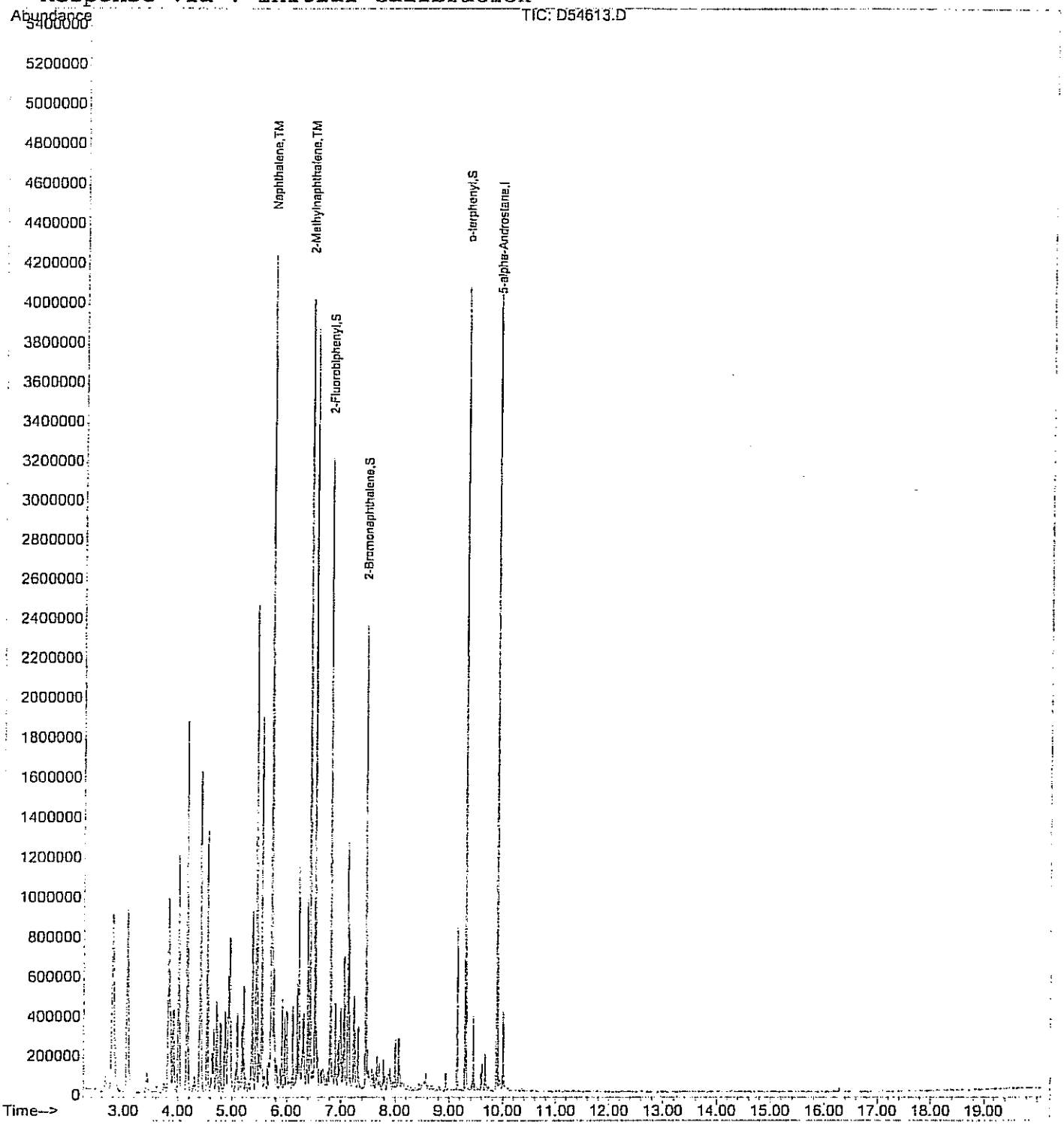
COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

SIGNATURE: [signature]

Quantitation Report

Data File : D:\HPCHEM\1\DATA\101707-D\D54613.D Vial: 15
Acq On : 18 Oct 2007 4:43 am Operator:
Sample : 59804-2 Inst : GC/MS Ins
Misc : ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 18 10:03 2007 Quant Results File: ARM10167.R

Method : D:\HPCHEM\1\METHODS\ARM10167.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Oct 17 23:22:36 2007
Response via : Initial Calibration



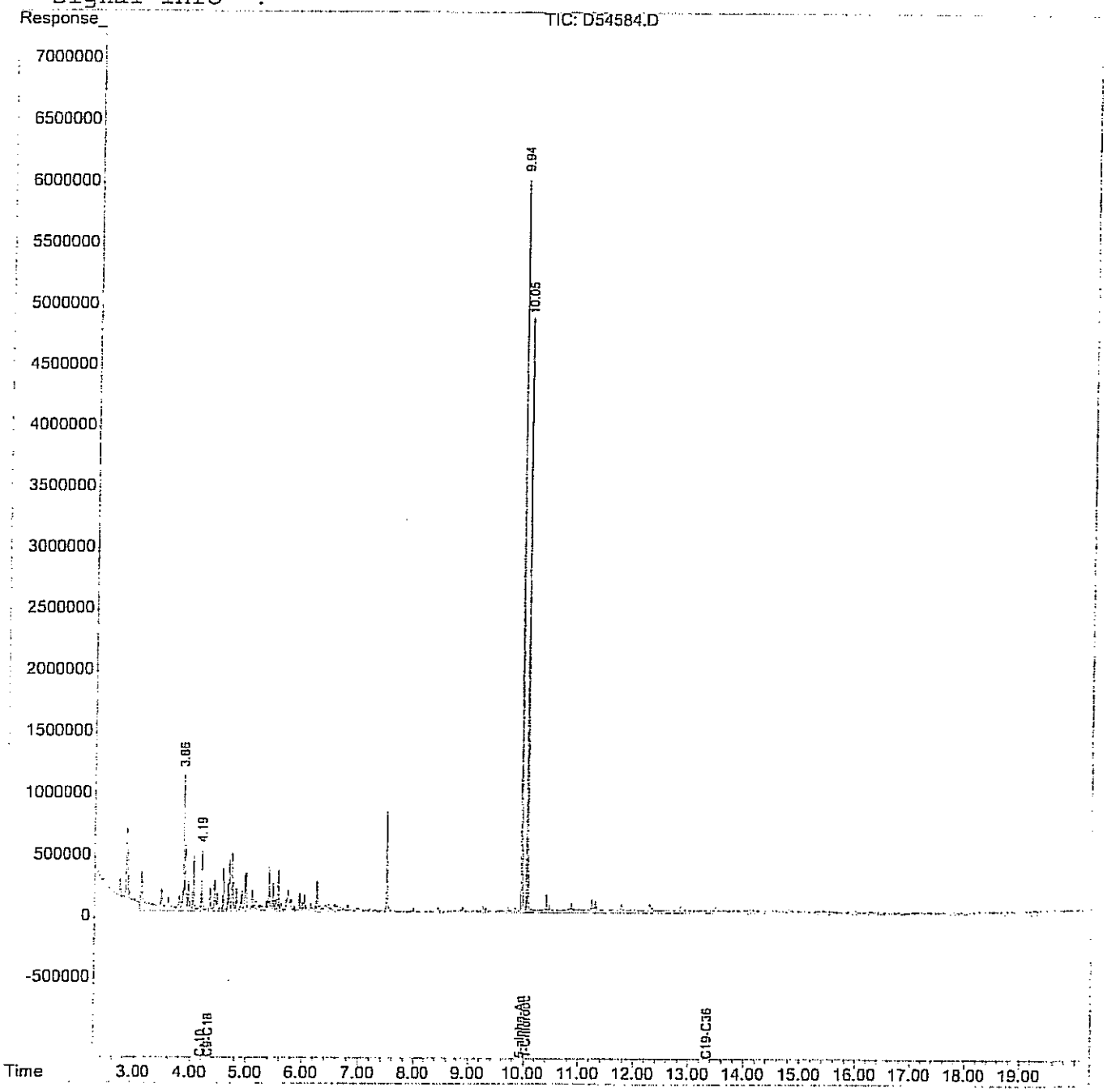
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\101607-D\D54584.D
Acq On : 17 Oct 2007 10:54 am
Sample : 59804-2
Misc : ALI
IntFile : EVENTS.E
Quant Time: Oct 17 21:53 2007 Quant Results File: ALG10167.RES

Vial: 22
Operator:
Inst : GC/MS Ir
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG10167.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Oct 17 03:11:21 2007
Response via : Multiple Level Calibration
DataAcq Meth : EPH

Volume Inj. :
Signal Phase :
Signal Info :



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12 Mulliken Way
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October 17, 2007

SAMPLE DATA

Lab Sample ID: 59804-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 10
Collection Date: 10/02/07
Lab Receipt Date: 10/02/07
Analysis Date: 10/05/07

CLIENT SAMPLE ID

Project Name: Goldstar
Project Number: 4232-07
Field Sample ID: MW-3

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	20	99	1,3-Dichloropropane	20	U
Bromobenzene	20	U	cis-1,3-Dichloropropene	20	U
Bromochloromethane	20	U	trans-1,3-Dichloropropene	20	U
Bromodichloromethane	20	U	2,2-Dichloropropane	20	U
Bromoform	20	U	1,1-Dichloropropene	20	U
Bromomethane	20	U	Ethylbenzene	20	114
n-butylbenzene	20	U	Hexachlorobutadiene	20	U
sec-butylbenzene	20	20	Isopropylbenzene	20	41
tert-butylbenzene	20	U	p-isopropyltoluene	20	14 J
Carbon Tetrachloride	20	U	Methylene Chloride	50	U
Chlorobenzene	20	U	Methyl-tert-butyl ether (MTBE)	20	17 J
Chloroethane	20	U	Naphthalene	20	281
Chloroform	20	U	n-Propylbenzene	20	52
Chloromethane	20	U	Styrene	20	U
2-Chlorotoluene	20	U	1,1,1,2-Tetrachloroethane	20	U
4-Chlorotoluene	20	U	1,1,2,2-Tetrachloroethane	20	U
Dibromochloromethane	20	U	Tetrachloroethene	20	U
1,2-Dibromo-3-chloropropane	20	U	Toluene	20	202
1,2-Dibromoethane	20	U	1,2,3-Trichlorobenzene	20	U
Dibromomethane	20	U	1,2,4-Trichlorobenzene	20	U
1,2-Dichlorobenzene	20	U	1,1,1-Trichloroethane	20	U
1,3-Dichlorobenzene	20	U	1,1,2-Trichloroethane	20	U
1,4-Dichlorobenzene	20	U	Trichloroethene	20	U
Dichlorodifluoromethane	20	U	Trichlorofluoromethane	20	U
1,1-Dichloroethane	20	U	1,2,3-Trichloropropane	20	U
1,2-Dichloroethane	20	U	1,2,4-Trimethylbenzene	20	201
1,1-Dichloroethene	20	U	1,3,5-Trimethylbenzene	20	54
cis-1,2-Dichloroethene	20	U	Vinyl Chloride	20	U
trans-1,2-Dichloroethene	20	U	o-Xylene	20	225
1,2-Dichloropropane	20	U	m,p-Xylene	20	276
Acetone	100	U	Diethyl ether	20	U
Carbon Disulfide	20	U	2-Hexanone	100	U
Tetrahydrofuran	50	U	Methyl isobutyl ketone	100	U
Methyl ethyl ketone	100	U	Di-isopropyl ether (DIPE)	20	U
t-Butyl alcohol (TBA)	200	U	Ethyl t-butyl ether (ETBE)	20	U
t-Amyl methyl ether (TAME)	20	U	1,4-Dioxane	300	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101 %	d8-Toluene	97 %	Bromofluorobenzene	98 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

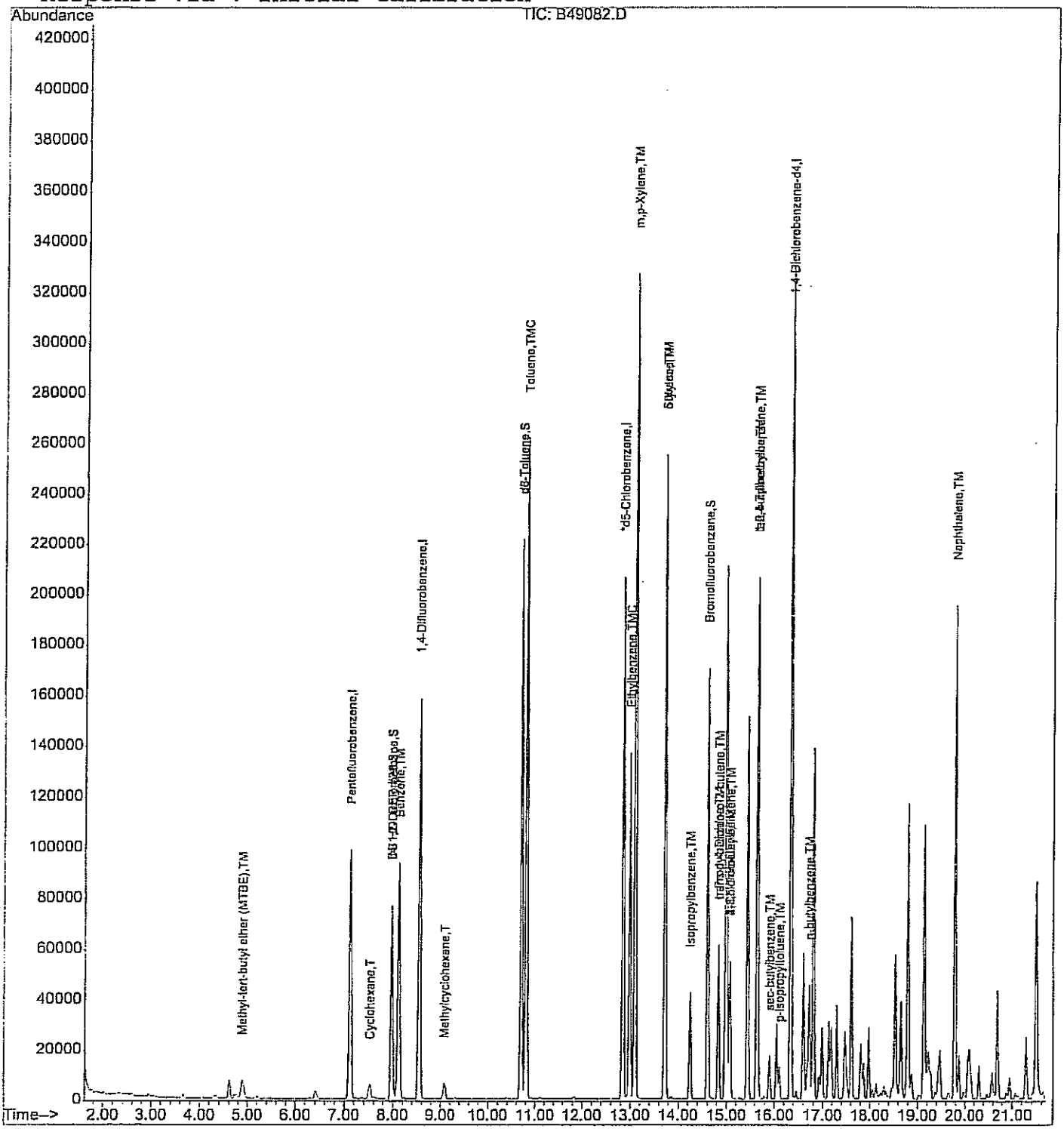
8260 MCP (3) +
Dioxane

Authorized signature

Quantitation Report

Data File : C:\HPCHEM\1\DATA\100507-B\B49082.D Vial: 25
Acq On : 5 Oct 2007 9:02 pm Operator:
Sample : 59804-3 Inst : Instrumen
Misc : 500 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 5 21:23 2007 Quant Results File: V810037B.RE

Method : C:\HPCHEM\1\METHODS\V810037B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 04 07:06:27 2007
Response via : Initial Calibration



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Newburyport MA 01950

October 17, 2007

SAMPLE DATA

Lab Sample ID:	59804-3
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	20
Collection Date:	10/02/07
Lab Receipt Date:	10/02/07
Extraction Date:	10/08/07
Analysis Date:	10/12/07

CLIENT SAMPLE ID

Project Name:	Goldstar
Project Number:	4232-07
Field Sample ID:	MW-3

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/L	Result µg/L	COMPOUND	Detection Limit µg/L	Result µg/L
Acenaphthene	40	30 J	2,4-dinitrophenol	100	137
Acenaphthylene	40	U	2,4-Dinitrotoluene	40	U
Anthracene	40	U	2,6-Dinitrotoluene	40	U
Benzo[a]anthracene	40	U	di-n-octyl-phthalate	40	U
Benzo[b] fluoranthene	40	U	Fluoranthene	40	U
Benzo[k] fluoranthene	40	U	Fluorene	40	59
Benzo(g,h,i) perylene	40	U	Hexachlorobenzene	40	U
Benzo[a] pyrene	40	U	Hexachlorobutadiene	40	U
Bis(2-chloroethoxy)methane	40	U	Hexachloroethane	40	U
bis(2-chloroethyl) ether	40	U	Indeno [1,2,3-cd] pyrene	40	U
bis(2-chloroisopropyl)ether	40	U	Isophorone	40	U
Bis (2-ethylhexyl) phthalate	40	U	2-Methylnaphthalene	40	448
4-bromophenyl phenyl ether	40	U	2-Methylphenol	100	U
Butyl benzyl phthalate	40	U	3+4-Methylphenol	100	U
4-Chloroaniline	40	U	Naphthalene	40	235
2-Chloronaphthalene	40	U	Nitrobenzene	40	U
2-Chlorophenol	100	U	2-Nitrophenol	100	U
Chrysene	40	U	4-Nitrophenol	100	U
Dibenz [a,h] anthracene	40	U	Pentachlorophenol	200	U
Dibenzofuran	40	22 J	Phenanthrene	40	131
Di-n-butyl phthalate	40	U	Phenol	100	U
1,2-Dichlorobenzene	40	U	Pyrene	40	U
1,3-Dichlorobenzene	40	U	1,2,4-Trichlorobenzene	40	U
1,4-Dichlorobenzene	40	U	2,4,5-Trichlorophenol	100	U
3,3'-Dichlorobenzidine	400	U	2,4,6-Trichlorophenol	100	U
2,4-Dichlorophenol	100	U	Acetophenone	100	U
Diethyl Phthalate	40	U	Azobenzene	40	U
2,4-Dimethylphenol	100	U			
Dimethyl Phthalate	40	U			
Aniline	40	U			

Surrogate Standard Recovery

2-Fluorophenol	* %	d5-Phenol	* %	d5-nitrobenzene	* %
2-Fluorobiphenyl	* %	2,4,6-Tribromophenol	* %	d14-p-terphenyl	* %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

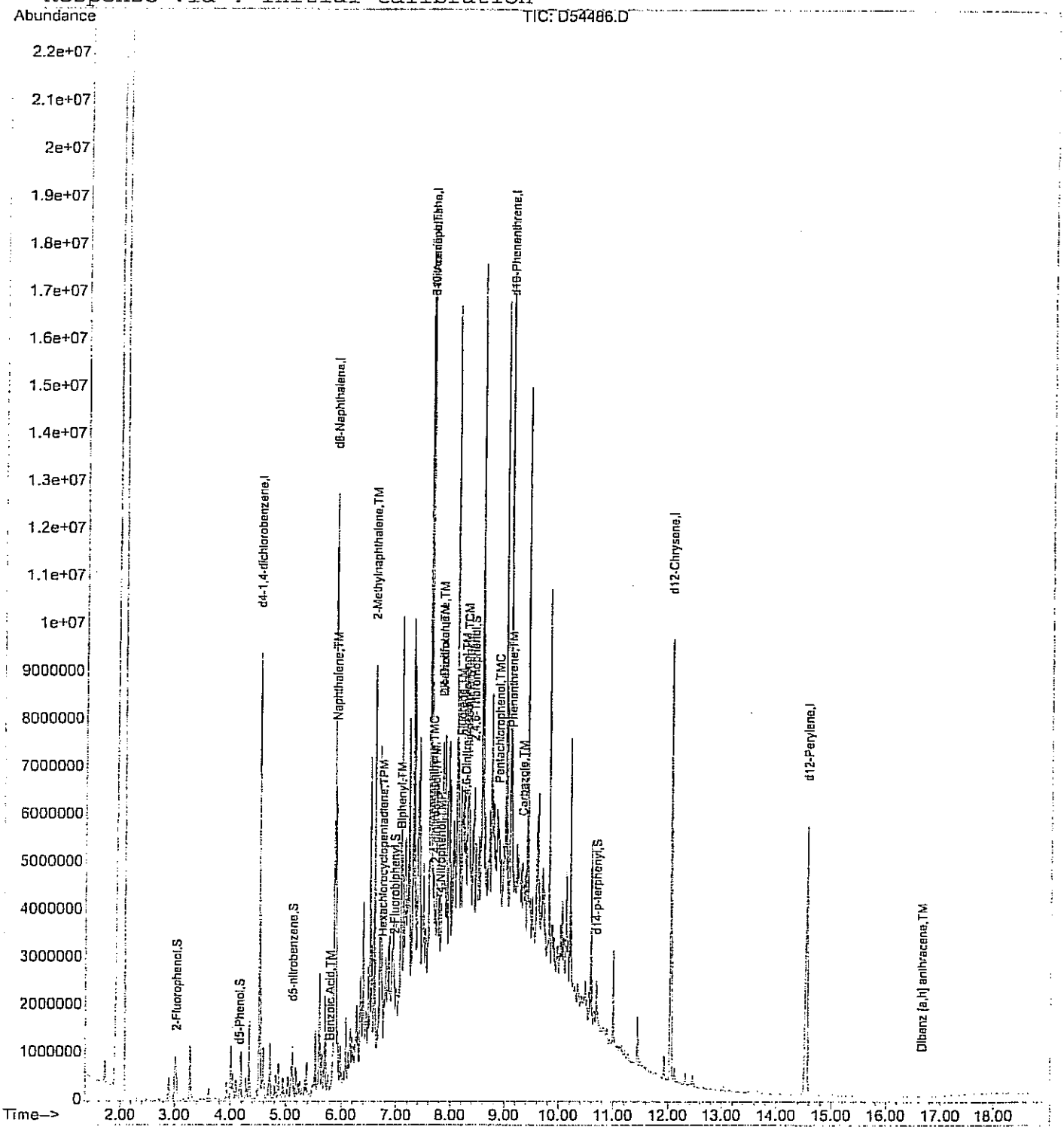
COMMENTS: * The surrogates were diluted out.

Authorized signature

Quantitation Report

Data File : D:\HPCHEM\1\DATA\101107-D\D54486.D Vial: 7
Acq On : 12 Oct 2007 1:21 am Operator:
Sample : 59804-3,,1:20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 12 1:47 2007 Quant Results File: ABN10057.R

Method : D:\HPCHEM\1\METHODS\ABN10057.M (RTE Integrator)
Title : ABN
Last Update : Thu Oct 11 23:39:49 2007
Response via : Initial Calibration



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October 17, 2007

CLIENT SAMPLE ID

Project Name: Goldstar

Project Number: 4232-07
Client Sample ID: MW-3

SAMPLE DATA

Lab Sample ID: 59804-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 20
Collection Date: 10/02/07
Lab Receipt Date: 10/02/07
Analysis Date: 10/11/07

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	1000	µg/L	**2200**
Unadjusted C9-C12 Aliphatics[1]	N/A	1000	µg/L	**15700**
Benzene	C5-C8	40	µg/L	**99**
Ethylbenzene	C9-C12	40	µg/L	**116**
Methyl-tert-butyl ether	C5-C8	40	µg/L	U
Naphthalene	N/A	40	µg/L	**391**
Toluene	C5-C8	40	µg/L	**220**
m- & p-Xylenes	C9-C12	80	µg/L	**290**
o-Xylene	C9-C12	40	µg/L	**220**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	1000	µg/L	**1880**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	1000	µg/L	**11900**
C9-C10 Aromatic Hydrocarbons[1]	N/A	200	µg/L	**3140**
Surrogate % Recovery (2,5-Dibromotoluene) PID				101
Surrogate % Recovery (2,5-Dibromotoluene) FID				100
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004.

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

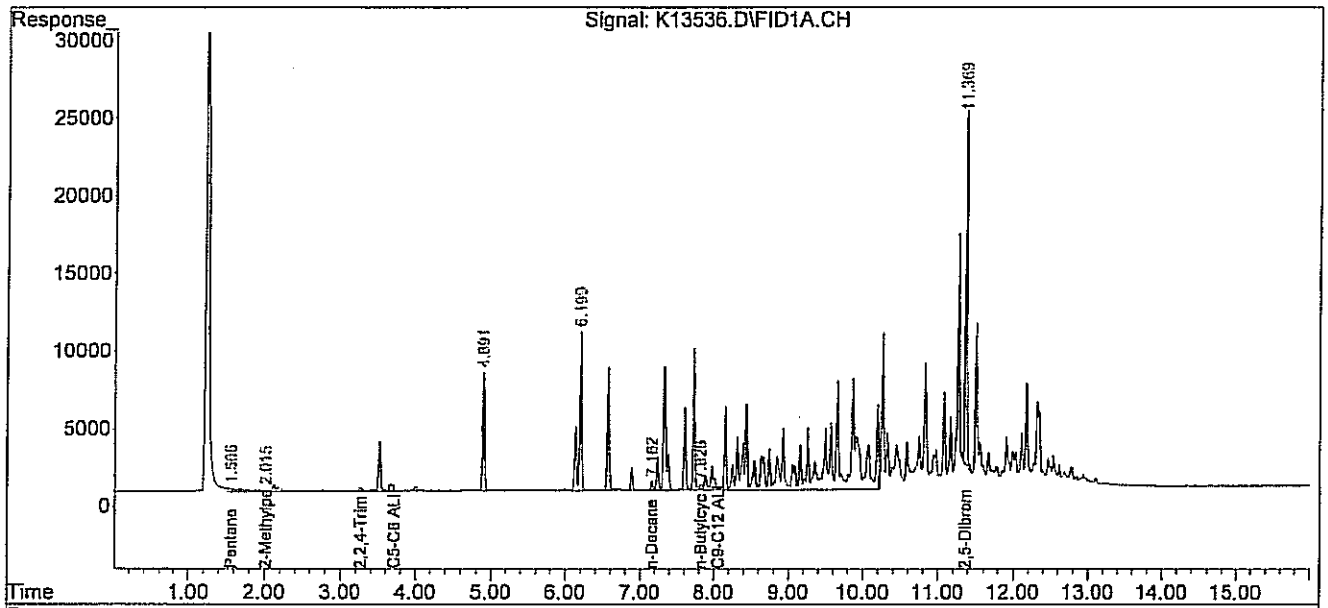
Authorized signature: M Lincabell

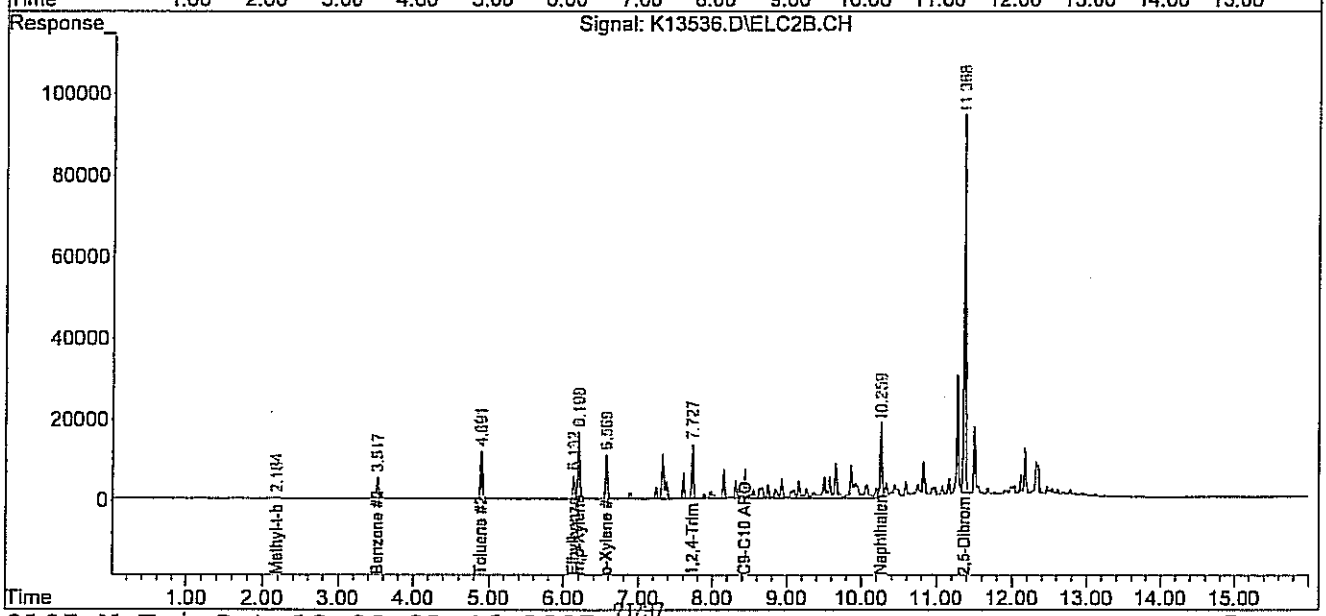
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101007-K\
Data File : K13536.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 11 Oct 2007 11:17 pm
Operator :
Sample : 59804-3
Misc : 250
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 00:03:25 2007
Quant Method : C:\msdchem\1\METHODS\VPH10107.M
Quant Title : Volatile Petroleum Hydrocarbons
QLast Update : Thu Oct 11 19:58:08 2007
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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October 19, 2007

Mr. Andy Fiedler
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Newburyport MA 01950

CLIENT SAMPLE ID

Project Name: Goldstar

Project Number: 4232-07
Client Sample ID: MW-3

SAMPLE DATA

Lab Sample ID: 59804-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 4.0
Collection Date: 10/02/07
Lab Receipt Date: 10/02/07
Extraction Date: 10/10/07
Analysis Date: 10/18/07

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics [1]		600	µg/L	5320
Diesel PAH Analytes	Naphthalene	16	µg/L	153
	2-Methylnaphthalene	16	µg/L	232
	Phenanthrene	16	µg/L	32
	Acenaphthene	16	µg/L	11
Other Target PAH Analytes	Acenaphthylene	16	µg/L	U
	Fluorene	16	µg/L	20
	Anthracene	16	µg/L	U
	Fluoranthene	16	µg/L	U
	Pyrene	16	µg/L	U
	Benzo[a]anthracene	16	µg/L	U
	Chrysene	16	µg/L	U
	Benzo[b]fluoranthene	16	µg/L	U
	Benzo[k]fluoranthene	16	µg/L	U
	Benzo[a]pyrene	16	µg/L	U
	Indeno[1,2,3-cd]pyrene	16	µg/L	U
	Dibenzo[a,h]anthracene	16	µg/L	U
	Benzo[g,h,i]perylene	16	µg/L	U
C9-C18 Aliphatic Hydrocarbons [1]		2000	µg/L	8420
C19-C36 Aliphatic Hydrocarbons [1]		2000	µg/L	2520
C11-C22 Aromatic Hydrocarbons [1,2]		600	µg/L	4860
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				*
Aromatic Surrogate % Recovery (O-Terphenyl)				86
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				73
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				72
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1] Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2] C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3510C.

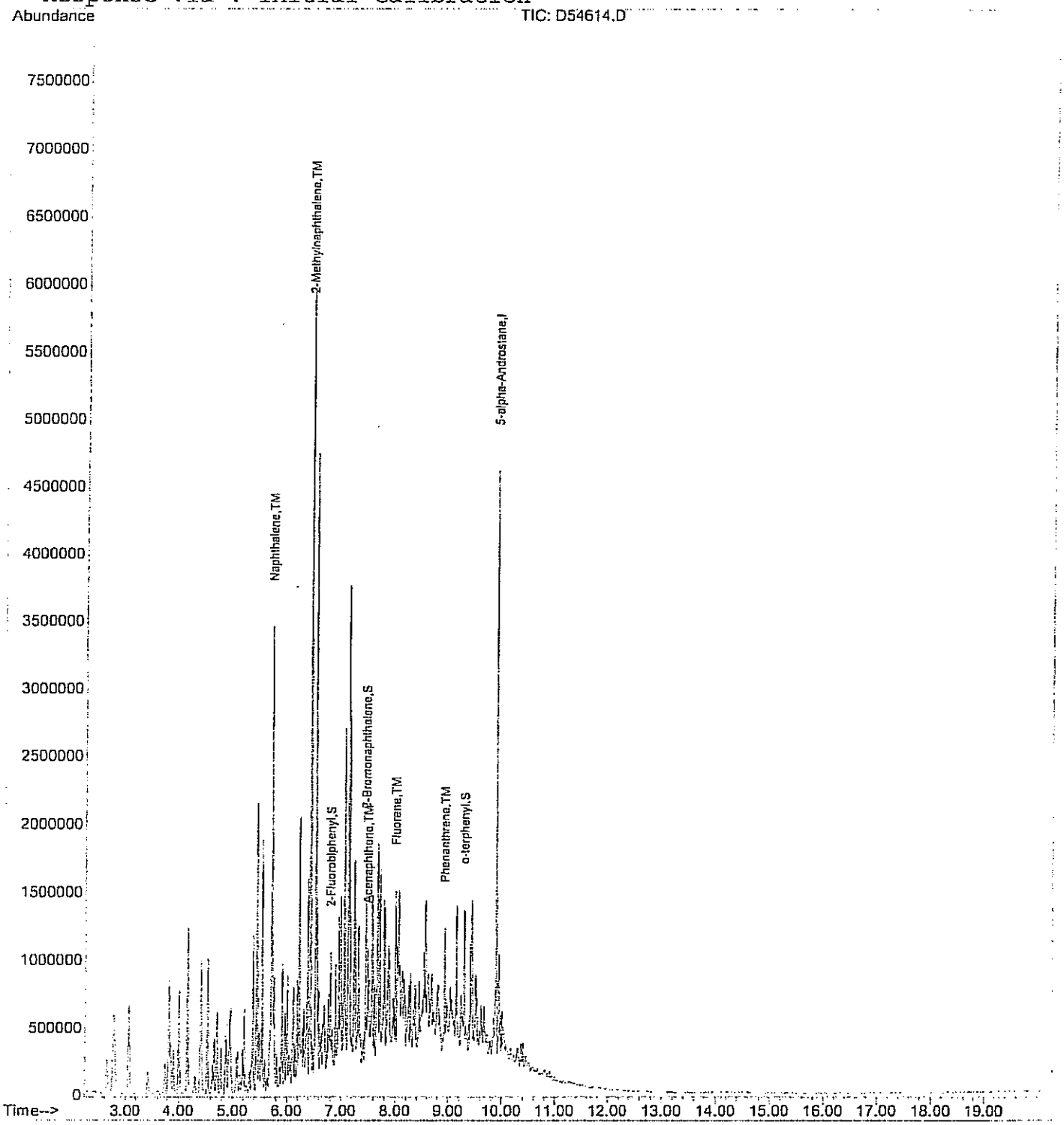
COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
* The surrogate was diluted out.

SIGNATURE: M Kendall

Quantitation Report

Data File : D:\HPCHEM\1\DATA\101707-D\D54614.D Vial: 16
Acq On : 18 Oct 2007 5:09 am Operator:
Sample : 59804-3 Inst : GC/MS Ins
Misc : ARO,1:4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 18 10:03 2007 Quant Results File: ARM10167.R

Method : D:\HPCHEM\1\METHODS\ARM10167.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Oct 17 23:22:36 2007
Response via : Initial Calibration

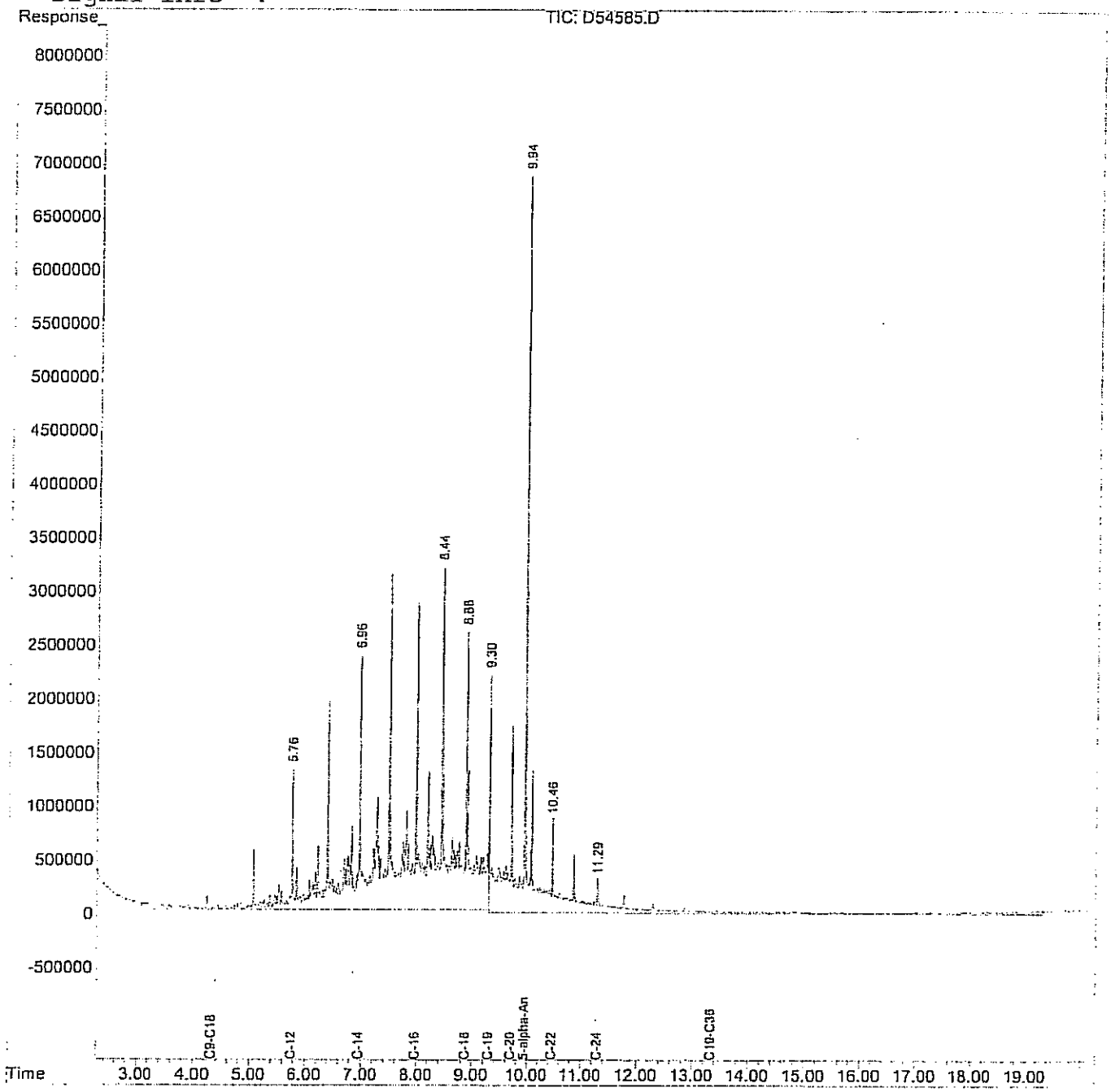


Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\101607-D\D54585.D Vial: 23
Acq On : 17 Oct 2007 11:20 am Operator:
Sample : 59804-3 Inst : GC/MS Ir
Misc : ALI,1:10 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 17 22:43 2007 Quant Results File: ALG10167.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG10167.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Oct 17 03:11:21 2007
Response via : Multiple Level Calibration
DataAcq Meth : EPH

Volume Inj. :
Signal Phase :
Signal Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Andy Fiedler
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

October 17, 2007

SAMPLE DATA

Lab Sample ID: 59804-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 2.0
Collection Date: 10/02/07
Lab Receipt Date: 10/02/07
Extraction Date: 10/10/07
Analysis Date: 10/03/07

CLIENT SAMPLE ID

Project Name: Goldstar
Project Number: 4232-07
Field Sample ID: MW-3

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
12400	µg/L	100

Surrogate Standard Recovery

m-Terphenyl 83 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS:
TPH layout

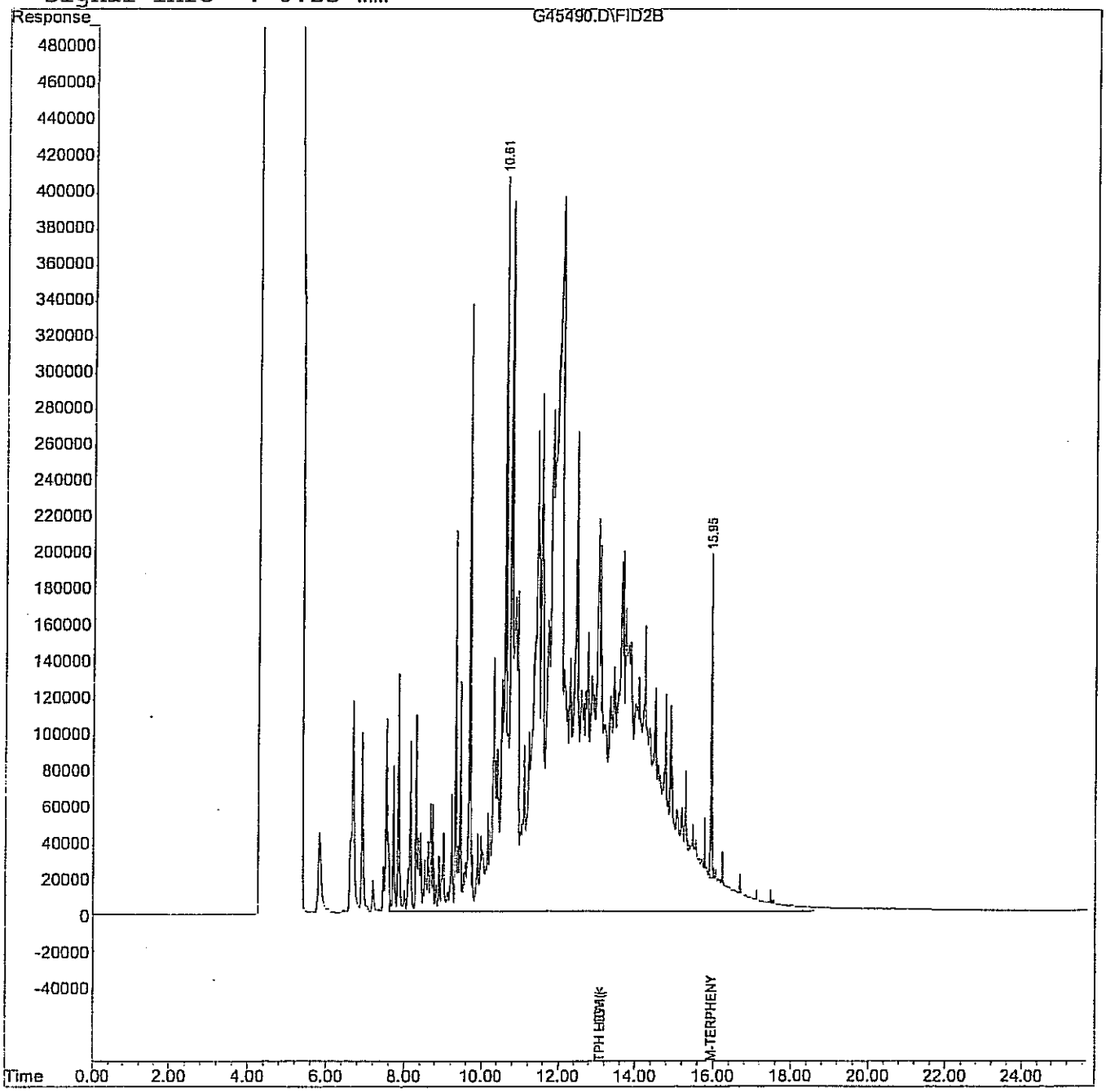
Authorized signature

Quantitation Report

Data File : D:\HPCHEM\1\DATA\100207-G\G45490.D Vial: 26
Acq On : 3 Oct 2007 8:29 pm Operator:
Sample : 59804-3 Inst : INSTRUMEN
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 4 7:42 2007 Quant Results File: T08307B.RES

Quant Method : D:\HPCHEM\1\METHODS\T08307B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Sep 13 09:48:59 2007
Response via : Multiple Level Calibration
DataAcq Meth : TPHEPH2.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



analytics environmental laboratory LLC

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800-929-9906

Mr. Andy Fiedler
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

October 17, 2007

SAMPLE DATA

Lab Sample ID:	59804-3
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	10/02/07
Lab Receipt Date:	10/02/07
Extraction Date:	10/09/07
Analysis Date:	10/13/07

CLIENT SAMPLE ID

Project Name: Goldstar

Project Number: 4232-07

Field Sample ID: MW-3

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	60	%
Decachlorobiphenyl	78	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

Authorized signature [signature]

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Andy Fiedler
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

October 17, 2007

SAMPLE DATA

Lab Sample ID: 59804-4
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 10/02/07
Lab Receipt Date: 10/02/07
Analysis Date: 10/05/07

CLIENT SAMPLE ID

Project Name: Goldstar

Project Number: 4232-07

Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether (MTBE)	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U	1,4-Dioxane	30	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104	%	d8-Toluene	98	%	Bromofluorobenzene	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

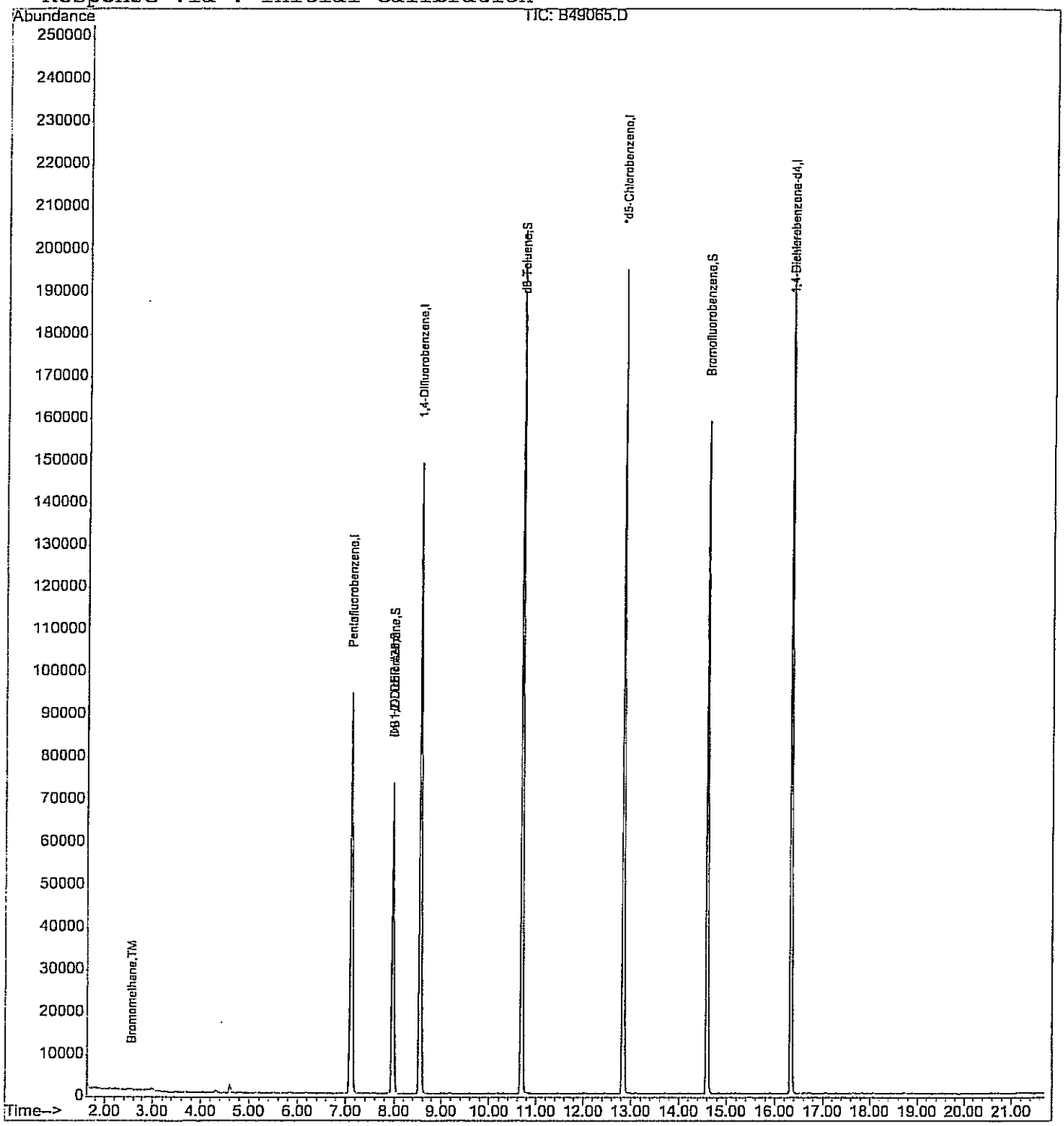
8260 MCP (3) + Dioxane

Authorized signature

Quantitation Report

Data File : C:\HPCHEM\1\DATA\100507-B\B49065.D Vial: 8
Acq On : 5 Oct 2007 1:14 pm Operator:
Sample : 59804-4 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 5 13:33 2007 Quant Results File: V810037B.RI

Method : C:\HPCHEM\1\METHODS\V810037B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 04 07:06:27 2007
Response via : Initial Calibration



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64966

Client: **Analytics Environmental Lab, LLC** **Client Designation: Gold Star | 4232-07**

Client Sample ID:	MW-1 59604-1
Lab Sample ID:	64966.01
Matrix:	aqueous
Date Sampled:	10/2/07
Date Received:	10/2/07

		Reporting Limit	Dilution Factor	Units	Date Analyzed	Time Analyzed	Date Prepared	Method	Analy
Sulfate	18	1	1	mg/L	10/9/07	14:44		300.0	

eastern analytical, inc. www.eallabs.com Phone: (603) 228-0525

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64966

Client: **Analytics Environmental Lab, LLC** **Client Designation: Gold Star | 4232-07**

Client Sample ID:	MW-2 59804-2
Lab Sample ID:	64966.02
Matrix:	aqueous
Date Sampled:	10/2/07
Date Received:	10/2/07

		Reporting Limit	Dilution Factor	Units	Date Analyzed	Time Analyzed	Date Prepared	Method	Analy
Sulfate	20	1	1	mg/L	10/9/07	14:59		300.0	K

eastern analytical, inc. www.eailabs.com Phone: (603) 228-0525

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64966

Client: **Analytics Environmental Lab, LLC** **Client Designation: Gold Star | 4232-07**

Client Sample ID:	MW-3 59804-3
Lab Sample ID:	64966.03
Matrix:	aqueous
Date Sampled:	10/2/07
Date Received:	10/2/07

		Reporting Limit	Dilution Factor	Units	Date Analyzed	Time Analyzed	Date Prepared	Method	Analy
Solids Suspended	< 5	5	1	mg/L	10/3/07	9:00		2540D	SE
Sulfate	15	1	1	mg/L	10/9/07	15:15		300.0	I
Cyanide Total	< 0.02	0.02	1	mg/L	10/8/07	12:30		4500CNE	SE
Total Residual Chlorine	< 0.05	0.05	1	mg/L	10/2/07	16:55		4500ClG	N

eastern analytical, inc. www.eailabs.com Phone: (603) 228-0525

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64966

Client: **Analytics Environmental Lab, LLC** Client Designation: **Gold Star | 4232-07**

Sample ID: MW-3 59604-3

Lab Sample ID: 64966.03
Matrix: aqueous
Date Sampled: 10/2/07
Date Received: 10/2/07

		Analytical Matrix	Units	Date of Analysis	Method	Analy
Antimony	< 0.001	AqTot	mg/L	10/8/07	200.8	DS
Arsenic	0.0004	AqTot	mg/L	10/8/07	200.8	DS
Cadmium	< 0.0001	AqTot	mg/L	10/8/07	200.8	DS
Copper	0.016	AqTot	mg/L	10/8/07	200.8	DS
Iron	0.22	AqTot	mg/L	10/8/07	200.8	DS
Iron	0.08	AqDis	mg/L	10/8/07	200.8	DS
Lead	0.0018	AqTot	mg/L	10/8/07	200.8	DS
Mercury	0.0005	AqTot	mg/L	10/8/07	200.8	DS
Nickel	0.004	AqTot	mg/L	10/8/07	200.8	DS
Selenium	< 0.001	AqTot	mg/L	10/8/07	200.8	DS
Silver	< 0.0001	AqTot	mg/L	10/8/07	200.8	DS
Zinc	0.031	AqTot	mg/L	10/8/07	200.8	DS
Chromium (III)	< 0.01	AqTot	mg/L	10/8/07	200.8	DS
Chromium (VI)	< 0.01	AqTot	mg/L	10/2/07	7196A	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64966

Client: **Analytics Environmental Lab, LLC** Client Designation: **Gold Star | 4232-07**

Sample ID:	MW-1 59804-1	MW-2 59804-2						
Lab Sample ID:	64966.01	64966.02						
Matrix:	aqueous	aqueous						
Date Sampled:	10/2/07	10/2/07						
Date Received:	10/2/07	10/2/07						
			Analytical Matrix	**Units**	**Date of Analysis**	**Method**	**Analy**	
Iron	**0.10**	**0.18**	AqDis	mg/L	10/8/07	200.8	DS	

eastern analytical, inc. www.eailabs.com Phone: (803) 228-0525

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 7/31/06

Samples were:
1) Shipped or ~~Hand-delivered~~
2) Temp blank °C 12.0 Just Sampled on ice
3) Received in good condition Y or N
4) pH checked by: Int 10/2/07
5) Labels checked by: Int 10/2/07

Project#: 4232-07 Proj. Name: Goldstar
Company: ENPRO Services, Inc.
Contact: AFiedler
Address: 12 Mulliken Way
Newburyport, MA 01950
Phone: (800)966-1102 PO# 84258 Quote #
Sampler (Signature): [signature]

Matrix Key: WW=Wastewater, SW=Surfacewater, GW=Groundwater, DW=Drinkingwater, S=Soil/Sludge, O=Oil, E=Extract, X=Other

Container Key: P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
mw-1	10/2/07	1130	EPH + 4 diesel					X			GW	2	G	1.5	59804 -1
mw-1		1130	VPH + targets					X				3	G		
mw-1		1130	Dissolved Iron			X						1	P	1.5	
mw-1		1130	Sulfates	X								1	P		
mw-2		~~1100~~ 1030	EPH + 4 diesel					X				2	G	1.5	-2
mw-2	1030	~~1100~~	VPH + targets					X				3	G		
mw-2	1030	~~1100~~	Dissolved Iron			X						1	P	1.5	
mw-2	1030	~~1100~~	Sulfates	X								1	P		
mw-3		1100	EPH + 4 diesel					X				2	G		-3
mw-3		1100	VPH + targets					X				3	G		
mw-3		1100	Dissolved Iron			X						1	P	1.5	
mw-3		1100	Sulfates	X								1	P		

Email RESULTS? YES
Email: (see comment) afiedler@enpro
Fax RESULTS? NO
Fax#

Comments:
Email all reports to:
KS, DD, ~~GB~~ & AM (AF)
plus Project Manager listed above

MCP Presumptive Certainty
$270 + PCB Neg. for Res. CT
SC 10/3/07

ENPRO CONTRACT/PRICING (PLEASE CHECK ONE):
- [ ] NH Purchase & Prop. Part II
- [ ] NH Purchase & Prop. Part III
- [ ] NHDES Petroleum Fund PMR
- [ ] NHDES Initial Response Petroleum
- [ ] NHDES Initial Response Chemical
- [ ] ENPRO Vendor

Turnaround Request
Standard [X] Due Date
Priority [ ] Due Date

Relinquished By Sampler: | Time: | Date:
Relinquished By: [signature] | Time: 12:30 | Date: 10/2/07
Received By: [signature] | Time: | Date:
Received By: | Time: | Date:

Page 1 of 2

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 7/31/06

Samples were:
1) Shipped or hand-delivered on ice
2) Temp blank °C 12.0 JVST samples
3) Received in good condition Y or N
4) pH checked by: lmt 10/2/07
5) Labels checked by: lmt 10/2/07

Project#: 4232-07 Proj. Name: Goldstar
Company: ENPRO Services, Inc.
Contact: A Fiedler
Address: 12 Mulliken Way
Newburyport, MA 01950
Phone: (800)966-1102 PO# 84258 Quote #
Sampler (Signature): [signature]

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4 C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MW-3	10/2/07	1100	Cyanide							X	GW	1	P		59804-3
MW-3		1100	Chromium III, VI	X								1	P		
MW-3		1100	Metals			X						1	P	1.5	
MW-3			Residual Chlorine	X								2	G		
Trip Blank			Trip Blank									1	G		-4
MW-3			Total Sus Solids	X								1	P		
MW-3			8270	X								3	G		
MW-3			PCB 8082	X								3	G		
MW-3			TPH 8015						X			3	G		
MW-3			8260 w Dioxane						X			3	G		
~~AA~~															

Email RESULTS? YES
Email: (see comment) afiedler@enpro.com
Fax RESULTS? NO
Fax#

Comments:
Email all reports to:
KS, DD, ~~GB & AM~~ AF
~~plus Project Manager listed above~~
MCP Presumptive Certainty

ENPRO CONTRACT/PRICING (PLEASE CHECK ONE):
- [ ] NH Purchase & Prop. Part II
- [ ] NH Purchase & Prop. Part III
- [ ] NHDES Petroleum Fund PMR
- [ ] NHDES Initial Response Petroleum
- [ ] NHDES Initial Response Chemical
- [ ] ENPRO Vendor

Turnaround Request
Standard Due Date [X] Priority Due Date [ ]

Page 2 of 2

Received By: Time: Date: Relinquished By Sampler:
Received By: Time: 12:25P Date: 10/2/07 Relinquished By:
Received By: Time: Date: Relinquished By:

30/37

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 59804

CLIENT: Enpro

PROJECT: Goldstar

COOLER NUMBER: _____

NUMBER OF COOLERS: 2

DATE RECEIVED: 10/2/07

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 10/2/07

1. Cooler received by(initials) — Date Received: _____
2. Did cooler come with a shipping slip? N/A hand delivered — Y N

If YES, enter carrier name and airbill number here: _____

3. Were custody seals on the outside of cooler? N/A — Y N
How many & where: _____ Seal Date: _____ Seal Name: _____
4. Did the custody seals arrive unbroken and intact upon arrival? N/A — Y N
5. COC#: _____
6. Were Custody papers filled out properly (ink,signed, etc)? — (Y) N
7. Were custody papers sealed in a plastic bag? — (Y) N
8. Did you sign the COC in the appropriate place? — (Y) N
9. Was the project identifiable from the COC papers? — (Y) N
10. Was enough ice used to chill the cooler? (Y) N — Temp. of cooler: 12°C (just samp

B. Log-In: Date samples were logged in: 10/2/07 By: lmt

11. Type of packing in cooler(bubble wrap, popcorn) — (Y) N
12. Were all bottles sealed in separate plastic bags? — (Y) N
13. Did all bottles arrive unbroken and were labels in good condition? — (Y) N
14. Were all bottle labels complete(ID,Date,time,etc.) — (Y) N
15. Did all bottle labels agree with custody papers? — (Y) N
16. Were the correct containers used for the tests indicated: — (Y) N
17. Were samples received at the correct pH? — (Y) N
18. Was sufficient amount of sample sent for the tests indicated? — (Y) N
19. Were bubbles absent in VOA samples? — (Y) N

If NO, List sample #'s: _____

20. Laboratory labeling verified by (initials): Date: lmt 10/2/07

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64966

Client: **Analytics Environmental Lab, LLC** **Client Designation: Gold Star | 4232-07**

Client Sample ID:	MW-1 59804-1
Lab Sample ID:	64966.01
Matrix:	aqueous
Date Sampled:	10/2/07
Date Received:	10/2/07

		Reporting Limit	Dilution Factor	Units	Date Analyzed	Time Analyzed	Date Prepared	Method	Analyst
Sulfate	**18**	1	1	mg/L	10/9/07	14:44		300.0	KL

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64966

Client: **Analytics Environmental Lab, LLC** **Client Designation: Gold Star | 4232-07**

Client Sample ID:	MW-2 59804-2
Lab Sample ID:	64966.02
Matrix:	aqueous
Date Sampled:	10/2/07
Date Received:	10/2/07

		Reporting Limit	Dilution Factor	Units	Date Analyzed	Time Analyzed	Date Prepared	Method	Analyst
Sulfate	20	1	1	mg/L	10/9/07	14:59		300.0	KL

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64966

Client: **Analytics Environmental Lab, LLC** **Client Designation: Gold Star | 4232-07**

Client Sample ID:	MW-3 59804-3
Lab Sample ID:	64966.03
Matrix:	aqueous
Date Sampled:	10/2/07
Date Received:	10/2/07

		Reporting Limit	Dilution Factor	Units	Date Analyzed	Time Analyzed	Date Prepared	Method	Analyst
Solids Suspended	< 5	5	1	mg/L	10/3/07	9:00		2540D	SEL
Sulfate	15	1	1	mg/L	10/9/07	15:15		300.0	KL
Cyanide Total	< 0.02	0.02	1	mg/L	10/9/07	12:30		4500CNE	SEL
Total Residual Chlorine	< 0.05	0.05	1	mg/L	10/2/07	16:55		4500ClG	NZ

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64966

Client: **Analytics Environmental Lab, LLC** **Client Designation: Gold Star | 4232-07**

Client Sample ID:	MW-1 59804-1
Lab Sample ID:	64966.01
Matrix:	aqueous
Date Sampled:	10/2/07
Date Received:	10/2/07

		Reporting Limit	Dilution Factor	Units	Date Analyzed	Time Analyzed	Date Prepared	Method	Analyst
Iron	**0.10**	0.05	1	mg/L	10/8/07	13:04		200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64966

Client: **Analytics Environmental Lab, LLC** **Client Designation: Gold Star | 4232-07**

Client Sample ID:	MW-2 59804-2
Lab Sample ID:	64966.02
Matrix:	aqueous
Date Sampled:	10/2/07
Date Received:	10/2/07

		Reporting Limit	Dilution Factor	Units	Date Analyzed	Time Analyzed	Date Prepared	Method	Analyst
Iron	0.18	0.05	1	mg/L	10/8/07	13:39		200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64966

Client: **Analytics Environmental Lab, LLC** **Client Designation: Gold Star | 4232-07**

Client Sample ID:	MW-3 59804-3
Lab Sample ID:	64966.03
Matrix:	aqueous
Date Sampled:	10/2/07
Date Received:	10/2/07

		Reporting Limit	Dilution Factor	Units	Date Analyzed	Time Analyzed	Date Prepared	Method	Analyst
Antimony	< 0.001	0.001	1	mg/L	10/8/07	13:46		200.8	DS
Arsenic	**0.0004**	0.0001	1	mg/L	10/8/07	13:46		200.8	DS
Cadmium	< 0.0001	0.0001	1	mg/L	10/8/07	13:46		200.8	DS
Chromium (III)	< 0.01	0.01	1	mg/L	10/8/07			200.8	DS
Copper	**0.016**	0.001	1	mg/L	10/8/07	13:46		200.8	DS
Iron	**0.22**	0.05	1	mg/L	10/8/07	13:46		200.8	DS
Iron	**0.08**	0.05	1	mg/L	10/8/07	13:53		200.8	DS
Lead	**0.0018**	0.0001	1	mg/L	10/8/07	13:46		200.8	DS
Mercury	**0.0005**	0.0001	1	mg/L	10/8/07	13:46		200.8	DS
Nickel	**0.004**	0.001	1	mg/L	10/8/07	13:46		200.8	DS
Selenium	< 0.001	0.001	1	mg/L	10/8/07	13:46		200.8	DS
Silver	< 0.0001	0.0001	1	mg/L	10/8/07	13:46		200.8	DS
Zinc	**0.031**	0.005	1	mg/L	10/8/07	13:46		200.8	DS
Chromium (VI)	< 0.01	0.01	1	mg/L	10/2/07			7196A	DS