Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-132

Client: CHEVRON
Project: POC SENTINEL 3Q 2009
Project No. 500-211-118

Well Condition: GOOD
Geologist: T. GOWN & D. BARRETT
Date: 7-20-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 44.45
Depth to Water: 37.15
Depth to Product: ND
Casing Diameter: 2"
Water Column: 7.3
Casing Volume (Water Column x Gallons per foot): 1.17
Purge Volume (3 x Casing Volume): 3.5

Purge Information

Purge Start Time: 1245
Purge Method: LOW FLOW
Flow Rate: .29 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1255	6.75	6.84	1076	18.41	1.72	66	1322
1300	7.5	6.78	1087	18.69	1.60	47	342.4
1305	8.5	6.75	1104	19.44	1.62	44	93.4
1310	9.5	6.77	1096	19.28	1.56	37	40.2
1315	10.5	6.76	1106	19.54	1.53	34	21.7
1320	11.75	6.76	1117	20.10	1.49	30	12.0
1325	12.5	6.76	1117	20.09	1.48	27	8.4
1330	13.5	6.77	1118	20.17	1.46	24	7.1
1335	15.0	6.78	1120	20.26	1.44	21	5.0
1340	16.0	6.79	1103	19.67	1.43	18	4.9

Purge Finish Time: 1340
Total Volume Purged: 16.0
Final Depth to Water: 37.15

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1340
Analytical Suite Collected: COC
QAQC Samples Collected: BD-1,072009 EB-1,072009 @ 815

Notes:

Trihydro corporation

Groundwater Sampling Form

Well No. MW-134

Client: Chevron
Project: POC-Sentinel Well sampling
Project No. 500-017-012

Well Condition: Good
Geologist: D. Barrett T. Gunn
Date: 7-20-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 44.1
Depth to Water: 36.95
Depth to Product: NA
Casing Diameter: 2"
Water Column: 7.15
Casing Volume (Water Column x Gallons per foot): 1.144 gal
Purge Volume (3 x Casing Volume): 3.42 gal

Purge Information

Purge Start Time: 1405
Purge Method: Low Flow
Flow Rate: .35 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
14:25	11	7.12	963	18.75	0.58	-54	20.3
14:30	12	7.18	962	18.07	0.57	-55	835.8
14:35	17	7.14	968	18.49	0.66	-48	348.1
14:40	18	7.13	998	19.55	0.68	-42	134.3
14:45	19	7.09	1011	21.8	0.67	-37	267.3
14:50	20	7.06	1062	22.74	0.71	-34	127.6
14:55	21	7.05	1062	22.75	0.72	-34	91.4
15:00	22	7.08	1027	21.27	0.74	-43	37.3
15:05	23	7.10	1020	20.85	0.72	-47	17.3
15:10	24	7.08	1039	21.63	0.73	-45	6.1
15:15	25	7.07	1037	21.45	0.74	-47	3.7

Purge Finish Time: 1520
Total Volume Purged: 26
Final Depth to Water: 36.95

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1520
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes: Purged 15 minutes, but couldn't get readings w/ recon. Switched out recon logging at 14:25. At 14:30 pump slid down and disturbed column, turbidity high again.

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-139

Client: Chevron
Project: POC SENTINEL July 2009
Project No. 500-017-012

Well Condition: Good
Geologist: JHU D. Barrett
Date: 7-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 49.95
Depth to Water: 39.81
Depth to Product: ND
Casing Diameter: 2"
Water Column: 10.14
Casing Volume (Water Column x Gallons per foot): 1.62
Purge Volume (3 x Casing Volume): 4.87

Purge Information

Purge Start Time: 1435
Purge Method: Low Flow
Flow Rate: .33 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1445	7.0	7.29	958.3	18.86	0.20	-307	532.6
1450	8.0	7.18	963.0	18.63	0.21	-307	151.2
1455	9.5	7.18	953.5	18.45	0.18	-312	73.8
1500	10.5	7.18	957.1	18.68	0.15	-311	66.1
1505	11.5	7.13	966.1	19.07	0.12	-309	62.7
1510	13.0	7.13	965.1	19.03	0.09	-311	12.3
1515	14.5	7.12	967.5	19.17	0.06	-314	8.3
1520	15.5	7.12	970.3	19.24	0.05	-316	5.6
1525	16.5	7.11	967.4	19.14	0.03	-320	4.6

Purge Finish Time: 1525
Total Volume Purged: 16.5
Final Depth to Water: 39.81

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1525
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-138

Client: CHEVRON
Project: POC SENTINEL 3Q 2009
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ J. HALL & D. BARRETT
Date: 7-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 49.95
Depth to Water: 40.02
Depth to Product: ND
Casing Diameter: 2"
Water Column: 9.93
Casing Volume (Water Column x Gallons per foot): 1.59
Purge Volume (3 x Casing Volume): 4.77

Purge Information

Purge Start Time: 1330
Purge Method: Low Flow
Flow Rate: .21 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1340	4.0	7.32	1015	20.14	6.25	-353	442.5
1345	5.5	7.21	1012	20.0	0.18	-353	174.7
1350	6.0	7.17	1004	19.33	0.12	-342	90.1
1355	7.0	7.17	989.2	18.87	0.14	-334	44.4
1400	7.75	7.14	1008	19.76	0.15	-325	20.7
1405	8.25	7.12	1008	19.76	0.16	-328	13.5
1410	9.0	7.12	1007	19.71	0.17	-332	9.8
1415	9.75	7.11	999.2	19.40	0.17	-337	6.1
1420	10.5	7.12	997.7	19.48	0.15	-339	4.6
1425	11.5	7.12	998.0	19.52	0.15	-339	4.5

Purge Finish Time: 1425
Total Volume Purged: 11.5
Final Depth to Water: 40.02

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1425
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-35

Client: CHEVRON
Project: POC SENTINEL 3Q 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: J. HALL + D BARRETT
Date: 7-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 51.7
Depth to Water: 42.3
Depth to Product: ND
Casing Diameter: 2"
Water Column: 9.4
Casing Volume (Water Column x Gallons per foot): 1.50
Purge Volume (3 x Casing Volume): 4.51

Purge Information

Purge Start Time: 1030
Purge Method: Low Flow
Flow Rate: .20 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1040	2.0	7.15	912.7	18.32	0.24	-258	442.2
1045	3.0	7.09	923.1	18.75	0.21	-252	361.4
1050	4.0	7.04	936.1	19.4	0.28	-243	188.9
1055	4.5	7.01	950.1	19.98	0.28	-239	110.9
1100	5.0	7.01	943.5	19.59	0.23	-247	94.7
1105	6.0	7.01	943.8	19.62	0.16	-262	55.7
1110	6.75	7.00	941.4	19.55	0.14	-268	41.0
1115	7.75	7.00	944.6	19.71	0.08	-284	29.4
1120	8.50	7.00	944.2	19.64	0.06	-288	22.3
1125	9.75	6.99	948.7	19.82	0.04	-293	18.8

Purge Finish Time: 1150
Total Volume Purged: 15.5
Final Depth to Water: 42.3

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1150
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-35 SHEET 2

Client:
Project:
Project No.

Well Condition:
Geologist:
Date: 7-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1130	11.0	6.99	942.9	19.52	0.03	-297	12.4
1135	12.5	6.99	950.1	19.76	0.02	-305	8.3
1140	13.5	6.99	950.0	19.75	0.01	-306	6.2
1145	14.5	6.99	950.2	19.84	0.00	-308	3.8
1150	15.5	6.99	950.0	19.86	0.00	-308	4.0

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1150
Analytical Suite Collected:
QAQC Samples Collected:

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-133

Client: Chevron
Project: POC July 2009
Project No. 500-017-012

Well Condition: Good
Geologist: Jethil Barrett
Date: 7-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 50.6
Depth to Water: 42.69
Depth to Product: ND
Casing Diameter: 2"
Water Column: 7.91
Casing Volume (Water Column x Gallons per foot): 1.27
Purge Volume (3 x Casing Volume): 3.80

Purge Information

Purge Start Time: 910
Purge Method: Low Flow
Flow Rate: .20 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0915	1.0	7.23	853.3	63.48°F	0.40	-201	826.1
0925	2.0	7.00	862.1	17.97	0.10	-242	426.3
0930	3.0	6.99	867.3	18.40	0.11	-241	167.7
0935	4.0	6.99	867.1	18.62	0.12	-241	107.9
0940	5.0	6.99	870.1	18.74	0.12	-242	51.9
0945	6.0	7.00	871.9	18.78	0.12	-244	40.1
0950	7.0	7.00	873.3	18.83	0.12	-245	26.0
0955	7.75	7.00	872.6	18.83	0.11	-248	20.2
1000	9.0	7.01	873.6	18.90	0.12	-252	14.4
1005	10.0	7.01	878.3	19.14	0.12	-255	12.0

Purge Finish Time: 1025
Total Volume Purged: 14.0
Final Depth to Water: 42.69

Sampling Information

Wellhead Gas Measurements: NA
Sample Collection Time: 1025
Analytical Suite Collected: VOC, Diss. Pb, As
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-133

Client:
Project:
Project No.

Well Condition:
Geologist:
Date:

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1010	10.75	7.01	876.7	19.08	0.12	-258	10.1
1015	12.0	7.01	883.5	19.52	0.12	-260	9.0
1020	13.0	7.01	887.1	19.59	0.11	-262	8.9
1025	14.0	7.01	888.6	19.55	0.10	-264	8.1

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements: NA
Sample Collection Time: 1025
Analytical Suite Collected: VOC, DRS Pb As
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-140

Client: CHEVRON
Project: POC SENTINEL 3Q 2009
Project No.

Well Condition: GOOD
Geologist: J. HALL + D BARRETT
Date: 7-23-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water: 40.0
Depth to Product: 39.96
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time:
Analytical Suite Collected:
QAQC Samples Collected:

Notes: DID NOT SAMPLE LNAPL

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-141

Client: Clean
Project: POC July 2009
Project No. 500-017-012

Well Condition: Good
Geologist: J. Hill, D. Barnett
Date: 7-23-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 52.88
Depth to Water: 45.87 HC ODOR
Depth to Product: NO
Casing Diameter: 2"
Water Column: 7.01
Casing Volume (Water Column x Gallons per foot): 1.12
Purge Volume (3 x Casing Volume): 3.36

Purge Information

Purge Start Time: 1250
Purge Method: Low Flow
Flow Rate: .23 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1300	3.5	6.70	1020	19.81	0.21	-127	212.4
1305	4.0	6.65	1050	18.88	0.35	-123	172.7
1310	5.0	6.71	1018	17.72	0.23	-128	36.9
1315	6.0	6.70	1027	18.12	0.20	-131	9.3
1320	7.0	6.69	1027	18.17	0.23	-133	5.3
1325	8.0	6.69	1027	18.18	0.20	-135	4.1
1330	9.0	6.68	1028	18.18	0.20	-137	3.0

Purge Finish Time: 1330
Total Volume Purged: 9.0
Final Depth to Water: 45.87

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1330
Analytical Suite Collected: COC
QAQC Samples Collected: MS/MSD, 072309

Notes:

Trihydro corporation

Groundwater Sampling Form

Well No. MW-142

Client: Chevron
Project: ROC Jackson
Project No. 500-017-012

Well Condition: Good
Geologist: Jill D. Barrett
Date: 7-23-08

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 52.9
Depth to Water: 46.34 HCODOR
Depth to Product: ND
Casing Diameter: 2"
Water Column: 6.56
Casing Volume (Water Column x Gallons per foot): 1.05
Purge Volume (3 x Casing Volume): 3.15

Purge Information

Purge Start Time: 1030
Purge Method: Low Flow
Flow Rate: .24 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1040	4.0	6.72	1031	18.45	0.20	-136	49.6
1045	5.0	6.70	1039	18.75	0.22	-136	17.6
1050	6.0	6.70	1037	18.66	0.25	-138	11.4
1055	7.0	6.70	1036	18.65	0.24	-139	10.7
1100	8.0	6.69	1038	18.72	0.15	-140	9.4
1105	9.0	6.70	1039	18.72	0.11	-141	2.7
1110	10.0	6.70	1041	18.75	0.09	-141	3.1
1115	11.0	6.69	1041	18.81	0.07	-142	3.6

Purge Finish Time: 1115
Total Volume Purged: 11.0
Final Depth to Water: 46.34

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1115
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes:

Trihydro corporation

Groundwater Sampling Form

Well No. MW-131

Client: Chevron
Project: TOC SENTINEL 3Q-2009
Project No. 500-017-012

Well Condition: Good
Geologist: J. Hill, D. Barrett
Date: 7-23-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 43.65
Depth to Water: 33.93
Depth to Product: ND
Casing Diameter: 2"
Water Column: 9.72
Casing Volume (Water Column x Gallons per foot): 1.56
Purge Volume (3 x Casing Volume): 4.67

Purge Information

Purge Start Time: 0920
Purge Method: LOW FLOW
Flow Rate: .2 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
940	3.0	6.80	890.5	63.40 F	0.07	-149	35.9
945	3.75	6.77	868.8	17.68 C	0.10	-149	21.1
950	4.50	6.77	863.3	17.89	0.11	-148	12.2
955	5.25	6.79	831.7	17.03	0.09	-154	6.8
1000	6.0	6.79	832.7	17.12	0.07	-157	4.9
1005	6.75	6.79	829.5	17.04	0.06	-158	4.5

Purge Finish Time: 1005
Total Volume Purged: 6.75
Final Depth to Water: 33.93

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1005
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes: IRON FOULING

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 216247

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: POC SENTINEL 3Q-2009 PWSID #: WRW1700M20
Project Manager: DOUG LAM P.O.#: _____
Sampler: DALE BARRETT Quote #: _____
Name of state where samples were collected: OHIO

For Lab Use Only
FSC: _____
SCR#: 15203

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	VOC's	Dissolved Pb/As							Remarks (Temperature of samples upon receipt (if requested))
EB-1 072009	7-20-09	0815	X			X		4	X	X							SEE ATTACHED
BD-1 072009	7-20-09	—	X			X		4	X	X							ANALYTE LIST
MW-132 072009	7-20-09	1340	X			X		4	X	X							
MW-134 072009	7-20-09	1520	X			X		4	X	X							DISSOLVED METALS
MW-133 072109	7-21-09	1025	X			X		4	X	X							ARE FIELD FILTERED
MW-35 072109	7-21-09	1150	X			X		4	X	X							
MW-138 072109	7-21-09	1435	X			X		4	X	X							QC SUMMARY
MW-139 072109	7-21-09	1525	X			X		4	X	X							DATA PACKAGE
MW-138 072309	7-23-09	1005	X			X		4	X	X							
MW-148 072309	7-23-09	1115	X			X		4	X	X							
MW-141 072309	7-23-09	1330	X			X		4	X	X							
MW-141 MS/MSD 072309	7-23-09	1330	X			X		4	X	X							
TRIP BLANK 072309	7-23-09	1410	X			X		2	X								

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: ASAP
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1323 Fax #: 513 353 4664
E-mail address: MMITCHELL@TLHYDRO.COM

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	7/18/09	15:30			
[signature]	7-23-09	1430			

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-133

Client:	Chevron Corp	Well Condition:	Good!
Project:	Monthly SW Quad	Geologist:	J.H. / D Burrett
Project No.	500-097-012	Date:	8-11-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	50.60
Depth to Water:	42.46
Depth to Product:	NO
Casing Diameter:	2"
Water Column:	8.14
Casing Volume (Water Column x Gallons per foot):	1.30
Purge Volume (3 x Casing Volume):	3.90

Purge Information

Purge Start Time: 915

Purge Method: Low Flow

Flow Rate: .24 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0925	3.0	6.96	842.1	17.77	0.15	-96	624.6
930	5.0	6.97	843.3	18.53	0.12	-107	313.9
935	6.75	6.97	850.4	18.85	0.15	-106	116.9
940	7.50	6.97	853.5	18.96	0.15	-108	48.9
945	8.50	6.98	851.8	18.98	0.14	-113	27.1
950	9.50	6.99	847.8	18.66	0.13	-117	15.7
955	10.5	7.00	846.1	18.56	0.13	-118	14.6
1000	11.5	6.99	849.1	18.77	0.13	-117	11.6
1005	12.5	6.97	849.5	18.75	0.14	-120	8.7
1010	13.5	6.99	849.1	18.72	0.14	-121	9.4
1015	14.5	6.99	850.3	18.75	0.14	-121	8.8

Purge Finish Time: 1015

Total Volume Purged: 14.5

Final Depth to Water: 42.46

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time: 1015

Analytical Suite Collected: 8260 VOC's As, Pb

QAQC Samples Collected: FIELD BLANK, 081109 @ 950 AM

Notes: ASPHALT PLANT RUNNING, CLOUDY, OVERCAST, HIGH HUMIDITY

Sheet 1 of 2

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-35

Client:	Chevron	Well Condition:	Good
Project:	Monthly SW Quad	Geologist:	Todd D. Barrett
Project No.	500-017-012	Date:	8-11-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	51.70
Depth to Water:	42.06
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	9.64
Casing Volume (Water Column x Gallons per foot):	1.54
Purge Volume (3 x Casing Volume):	4.63

Purge Information

Purge Start Time: 1030

Purge Method: Low Flow

Flow Rate: .27 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1040	5.06	6.99	953.1	20.13	0.58	-85	146
1045	7.0	7.00	912.1	18.44	0.50	-103	115.1
1050	8.25	6.95	938.4	19.57	0.32	-116	95.3
1055	9.0	6.94	938.1	19.54	0.26	-130	79.1
1100	10.0	6.94	937.6	19.50	0.26	-137	50.3
1105	11.0	6.93	936.6	19.43	0.26	-145	53.3
1110	12.5	6.92	942.0	19.67	0.15	-153	36.7
1115	14.0	6.91	938.8	19.57	0.10	-160	27.3
1120	15.5	6.92	939.2	19.58	0.06	-168	18.9
1125	16.5	6.92	937.2	19.44	0.04	-177	11.4

Purge Finish Time: 1145

Total Volume Purged: 20.5

Final Depth to Water: 42.06

Sampling Information

Wellhead Gas Measurements: None

Sample Collection Time: 1145

Analytical Suite Collected: VOCs DSS AsPb

QAQC Samples Collected: None

Notes: Weather: Cloudy, Hot, Humid, Asphalt Plant Running

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-35

Client: Chevron
Project: Monthly SW Quad
Project No. 500-017-012

Well Condition: Good
Geologist: Scott D. Burcell
Date: 8-11-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

See Sheet 1 of 2

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

See Sheet 1 of 2

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1130	19.5	6.91	939.3	19.49	0.03	-183	9.5
1135	18.5	6.89	944.5	19.72	0.02	-188	17.0
1140	18.5	6.90	946.3	19.83	0.01	-192	5.0
1145	20.5	6.90	945.7	19.79	0.02	-192	5.0

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1145
Analytical Suite Collected:
QAQC Samples Collected:

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-142

Client: Clarion
Project: Monthly SW Quad
Project No. 500-017-012

Well Condition: Good
Geologist: Scott Burrell
Date: 8-12-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: ~~52.99~~ 52.90
Depth to Water: 46.17
Depth to Product: ND odor
Casing Diameter: 2"
Water Column: 6.73
Casing Volume (Water Column x Gallons per foot): 1.08
Purge Volume (3 x Casing Volume): 3.23

Purge Information

Purge Start Time: 1345
Purge Method: Low Flow
Flow Rate: .33 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1355	4.0	7.03	1028	18.61	0.25	-152	6.2
1400	6.0	6.99	1020	18.31	0.21	-158	2.8
1405	8.0	6.98	1014	18.07	0.25	-160	2.1
1410	9.0	6.98	1017	18.23	0.31	-160	1.8
1415	10.0	6.97	1024	18.31	0.31	-159	1.7

Purge Finish Time: 1415
Total Volume Purged: 10.0
Final Depth to Water: 46.17

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1415
Analytical Suite Collected: VOC's Pb/As
QAQC Samples Collected: NONE

Notes: H. C. ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-139

Client: Chevron
Project: Monthly SW Quad
Project No. 506-017-012

Well Condition: Good
Geologist: J. Hill, D. Barnett
Date: 8-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 50.0
Depth to Water: 39.62
Depth to Product: NO
Casing Diameter: 2"
Water Column: 10.38
Casing Volume (Water Column x Gallons per foot): 1.66
Purge Volume (3 x Casing Volume): 4.98

Purge Information

Purge Start Time: 0950
Purge Method: Low Flow
Flow Rate: .47 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1000	12.0	7.11	893.9	17.77	0.12	-176	1445.2
1005	14.0	7.06	884.0	17.77	0.22	-177	110.2
1010	15.5	7.04	880.8	17.77	0.19	-180	33.5
1015	17.0	7.03	880.2	17.80	0.17	-183	12.1
1020	18.0	7.03	877.4	17.78	0.17	-186	7.2
1025	19.0	7.00	875.9	17.71	0.13	-187	4.7
1030	20.0	7.01	875.9	17.81	0.10	-189	3.8
1035	21.0	7.01	873.7	17.84	0.09	-190	3.3

Purge Finish Time: 1035
Total Volume Purged: 21.0
Final Depth to Water: 39.62

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1035
Analytical Suite Collected: VOC Diss As Pb
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-138

Client: Chevron
Project: SW Quad Monthly
Project No. 500-817-002

Well Condition: Good
Geologist: J. Hall, D Barnett
Date: 8-12-08

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 50.0
Depth to Water: 39.82
Depth to Product: NO
Casing Diameter: 2"
Water Column: 10.18
Casing Volume (Water Column x Gallons per foot): 1.63
Purge Volume (3 x Casing Volume): 4.89

Purge Information

Purge Start Time: 0850
Purge Method: Low Flow
Flow Rate: .42 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
900	11.0	6.98	928.4	17.92	0.16	-168	493.0
905	12.0	6.95	930.7	18.21	0.19	-160	138.2
910	13.0	6.94	906.9	17.52	0.17	-167	36.5
915	14.0	6.94	904.5	17.64	0.10	-185	14.9
920	15.5	6.93	902.2	17.64	0.09	-193	9.3
925	17.0	6.94	900.7	17.65	0.09	-201	7.3
930	18.25	6.94	900.2	17.67	0.10	-207	5.0
935	19.75	6.95	896.7	17.61	0.11	-213	3.5
940	21.25	6.95	896.5	17.61	0.11	-215	3.6

Purge Finish Time: 940
Total Volume Purged: 21.25
Final Depth to Water: 39.82

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 940
Analytical Suite Collected: VOC's Pb/As
QAQC Samples Collected: NONE

Notes:

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 216212

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: MONTHLY SOUTHWEST QUAD PWSID #: OHWRCW17000M20
Project Manager: DOUG LAM P.O.#:
Sampler: DALE BARNETT + JOHN HALL Quote #:
Name of state where samples were collected: OHIO

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	VOC's	Dissolved Gas	TPH (GRO) Methane								Remarks	Temperature of samples upon receipt (if requested)
FIELD BLANK 081109	8-11-09	0950	X			X		3	X										SEE ATTACHED	
MW-133 081109	8-11-09	1015	X			X		4	X	X	X								ANALYTE LIST	
MW-35 081109	8-11-09	1145	X			X		4	X	X	X									
MW-138 081209	8-12-09	0940	X			X		4	X	X	X									
MW-139 081209	8-12-09	1035	X			X		4	X	X	X									
MW-142 081209	8-12-09	1415	X			X		4	X	X	X									
TRIP BLANK 081209	8-12-09	1445	X			X		2	X											

(7)
Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: ASAP
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1323 Fax #: 513-353-4664
E-mail address: MMITCHELL@TMHYDRO.COM

(8)
Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Dale Barnett	8-12-09	1500			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-35

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ DALE BARRETT
Date: 9-14-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 51.62
Depth to Water: 43.8
Depth to Product: ND
Casing Diameter: 2"
Water Column: 7.82
Casing Volume (Water Column x Gallons per foot): 1.25
Purge Volume (3 x Casing Volume): 3.75

Purge Information

Purge Start Time: 1055
Purge Method: LOW FLOW
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1105	5.0	7.19	891	17.86	0.49	-211	208.9
1110	6.75	7.12	891.8	17.94	0.37	-218	149.8
1115	8.50	7.07	906.7	18.68	0.45	-194	102.5
1120	9.5	7.05	905.1	18.58	0.68	-203	128.0
1125	10.5	7.04	909.6	18.80	0.58	-204	72.1
1130	11.5	7.01	917.1	19.16	0.53	-204	34.7
1135	13.0	7.02	919.6	19.37	0.47	-210	24.5
1140	14.0	7.00	927.8	19.76	0.46	-213	16.2
1145	15.0	7.00	930.2	19.85	0.42	-217	13.7
1150	16.0	7.00	929.5	19.80	0.39	-222	13.6
1155	17.0	7.00	931.0	19.83	0.38	-226	13.0

Purge Finish Time: 1155
Total Volume Purged: 17.0
Final Depth to Water: 43.8

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1155
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes: SUNNY 70° F

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-133

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ DALE BARRETT
Date: 9-14-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 50.55
Depth to Water: 44.03
Depth to Product: ND
Casing Diameter: 2"
Water Column: 6.52
Casing Volume (Water Column x Gallons per foot): 1.04
Purge Volume (3 x Casing Volume): 3.12

Purge Information

Purge Start Time: 0930
Purge Method: LOW FLOW
Flow Rate: .45 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0940	8.5	7.11	834	16.93	0.56	-97	150.4
0945	10.5	7.08	852	17.74	0.67	-107	264.5
0950	12.0	7.07	855.2	17.91	0.55	-119	79.7
0955	14.0	7.07	857	17.99	0.52	-122	30.4
1000	16.0	7.07	858.3	18.05	0.52	-131	17.7
1005	17.75	7.07	858.6	18.10	0.50	-137	12.5
1010	19.75	7.07	859.7	18.10	0.52	-140	9.4
1015	21.75	7.07	860.3	18.18	0.44	-143	5.6
1020	23.0	7.07	861.3	18.23	0.43	-145	5.0
1025	24.75	7.07	862.1	18.25	0.44	-146	4.4

Purge Finish Time: 1025
Total Volume Purged: 24.75
Final Depth to Water: 44.04

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1025
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes: SUNNY 70°F

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-142

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD
Project No. 500-017-012

Well Condition: GOOD
~~Geologist~~: DALE BARRETT
Date: 9-15-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 53.9
Depth to Water: 48.35
Depth to Product: ND
Casing Diameter: 2"
Water Column: 5.55
Casing Volume (Water Column x Gallons per foot): .88
Purge Volume (3 x Casing Volume): 2.67

Purge Information

Purge Start Time: 1515
Purge Method: LOW FLOW
Flow Rate: .34 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1525	7.0	7.02	1002	19.24	0.56	-255	15.7
1530	8.0	6.97	1013	19.70	0.51	-255	7.4
1535	9.0	6.95	1009	19.42	0.44	-256	6.0
1540	10.0	6.94	1006	19.35	0.36	-257	5.5
1545	11.0	6.93	1001	19.65	0.30	-258	4.5
1550	12.0	6.92	1002	19.23	0.11	-258	2.6

Purge Finish Time: 1550
Total Volume Purged: 12.0
Final Depth to Water: 48.35

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1550
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes: SUNNY 75° H.C. ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-139

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ DALE BARNETT
Date: 9-15-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 48.95
Depth to Water: 41.67
Depth to Product: ND
Casing Diameter: 2"
Water Column: 8.28
Casing Volume (Water Column x Gallons per foot): 1.32
Purge Volume (3 x Casing Volume): 3.97

Purge Information

Purge Start Time: 1355
Purge Method: LOW FLOW
Flow Rate: .29 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1405	6.5	7.22	870.6	19.14	0.39	-288	618.7
1410	7.5	7.15	870.1	19.32	0.38	-287	137.5
1415	8.5	7.12	869.5	19.31	0.37	-288	58.0
1420	9.5	7.09	867.5	19.25	0.32	-290	26.9
1425	10.5	7.08	866.5	19.12	0.30	-292	12.9
1430	11.5	7.08	861.4	18.81	0.28	-294	8.7
1435	12.5	7.06	869.2	19.30	0.26	-295	5.9
1440	13.5	7.06	871.3	19.26	0.25	-296	4.9
1445	14.5	7.05	872.2	19.26	0.24	-297	3.7

Purge Finish Time: 1445
Total Volume Purged: 14.5
Final Depth to Water: 41.67

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1445
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes: 75° Sunny

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-138

Client:	CHEVRON	Well Condition:	GOOD
Project:	MONTHLY SOUTHWEST QUAD	~~Geologist:~~	DALE BARRETT
Project No.	500-017-012	Date:	9-15-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	49.83
Depth to Water:	41.71
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	8.22
Casing Volume (Water Column x Gallons per foot):	1.32
Purge Volume (3 x Casing Volume):	3.95

Purge Information

Purge Start Time: 1225

Purge Method: Low Flow

Flow Rate: .45 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1235	9.0	7.07	876.1	18.10	0.65	-181	598.9
1240	10.5	6.95	882.1	18.49	0.46	-205	194.2
1245	12.0	6.92	882.5	18.45	0.37	-217	91.5
1250	13.5	6.90	880.2	18.30	0.30	-227	50.1
1255	15.0	6.90	876.4	18.11	0.26	-232	28.1
1300	17.5	6.90	874.0	17.92	0.22	-236	16.3
1305	19.0	6.90	876.6	18.05	0.22	-236	9.4
1310	21.0	6.91	880.6	18.19	0.20	-239	8.9
1315	23.0	6.90	885.0	18.43	0.19	-241	5.5
1320	25.0	6.90	888.4	18.56	0.19	-243	5.9
1325	27.0	6.90	887.3	18.52	0.18	-243	5.9

Purge Finish Time: 1325

Total Volume Purged: 27.0

Final Depth to Water: 41.71

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time: 1325

Analytical Suite Collected: COC

QAQC Samples Collected: NONE

Notes: SUNNY 75° MARKUS WATERING

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 216248

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: MONTHLY SOUTHWEST QUAD PWSID #: NWRW M000 M20
Project Manager: DOUG LAM P.O.#: _____
Sampler: DALE BARNETT Quote #: _____
Name of state where samples were collected: OHIO

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	VOC'S	DISSOLVED PB/AS	TRIHALOMETHANES (THM)							Remarks
MW-33, 091409	9-14-09	1025	X			X		4	X	X	X							SEE ATTACHED
MW-35, 091409	9-14-09	1155	X			X		4	X	X	X							ANALYTE LIST
MW-138 091509	9-15-09	1325	X			X		4	X	X	X							
MW-139, 091509	9-15-09	1445	X			X		4	X	X	X							QC SUMMARY
MW-142, 091509	9-15-09	1550	X			X		4	X	X	X							DATA PACKAGE
TRIP BLANK, 091609	9-16-09	1500	X			X		2	X									

Analyses Requested — **Preservation Codes**

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6) Temperature of samples upon receipt (if requested)

(7)
Turnaround Time Requested (TAT) (please circle): Normal (Rush)
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: ASAP
Rush results requested by (please circle): Phone Fax (E-mail)
Phone #: 513 353 1323 Fax #: 513 353 4664
E-mail address: MMITCHELL@TRIHYDRO.COM

(8)
Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Dale Barnett	9-16-09	1520			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-135T

Client:	Chevron	Well Condition:	Good
Project:	Barrier Hill September 2009	Geologist:	J.H.H.
Project No.	500-017-012	Date:	9-17-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	38.45
Depth to Water:	10.76
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	27.69
Casing Volume (Water Column x Gallons per foot):	4.43
Purge Volume (3 x Casing Volume):	13.3

Purge Information

Purge Start Time: 1115

Purge Method: Low flow

Flow Rate: 0.14 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1125	2.5	7.29	689.9	21.37	0.23	-229	225.1
1130	3.5	7.32	685.9	21.59	0.25	-233	108.2
1135	4.3	7.33	681.9	21.52	0.21	-236	55.9
1140	5.5	7.35	673.6	21.12	0.19	-242	18.9
1145	6.5	7.36	672.5	21.14	0.17	-245	12.1
1150	7.8	7.37	673.4	21.18	0.16	-247	5.9
1155	9.9	7.37	675.1	21.31	0.15	-249	4.1

Purge Finish Time: 1155

Total Volume Purged: 9.9

Final Depth to Water: 10.76

Sampling Information

Wellhead Gas Measurements: NA

Sample Collection Time: ~~HOCs, Diss As Pb~~ 11.55

Analytical Suite Collected: VOCs, Diss As Pb

QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-1S

Client:	Chevron	Well Condition:	Good
Project:	Barrier Wall September 2009	Geologist:	SHW
Project No.	500-017-012	Date:	9-17-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	51.0
Depth to Water:	12.43
Depth to Product:	NO
Casing Diameter:	2"
Water Column:	38.57
Casing Volume (Water Column x Gallons per foot):	6.17
Purge Volume (3 x Casing Volume):	18.5

Purge Information

Purge Start Time:	1408
Purge Method:	Low Flow
Flow Rate:	0.2 L/min

	Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
	1415	3.0	7.40	768.6	25.06	0.17	-253	0.5
*	1420	4.0	7.46	755.6	24.19	0.52	-243	0.4
*	1425	4.3	7.52	753.9	24.12	1.89	-215	0.4
	1435	7.0	7.53	761.5	24.55	0.09	-265	0.4
	1440	8.0	7.45	779.9	25.73	0.10	-261	0.4
	1445	9.2	7.43	782.2	25.84	0.11	-258	0.4
	1450	10.0	7.48	783.1	25.83	0.10	-261	0.4
	1455	11.0	7.50	783.9	25.85	0.18	-262	0.3
	1500	12.0	7.50	783.7	25.85	0.18	-262	0.4

Purge Finish Time:	1500
Total Volume Purged:	12.0
Final Depth to Water:	12.43

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	1500
Analytical Suite Collected:	VOC Diss As Pb
QAQC Samples Collected:	None

Notes: * Purge Stopped.

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-135D

Client:	Chevron	Well Condition:	Good
Project:	Barrier-D-11 September 2009	Geologist:	J Hall
Project No.	500-017-012	Date:	9-17-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	52.45
Depth to Water:	10.59
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	41.86
Casing Volume (Water Column x Gallons per foot):	6.7
Purge Volume (3 x Casing Volume):	20.1

Purge Information

Purge Start Time: 1305

Purge Method: Low flow

Flow Rate: 0.2 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
~~1305~~ 1315	3.5	7.58	804.1	21.82	0.32	-228	32.8
1320	4.5	7.55	804.7	21.90	0.31	-227	19.0
1325	5.6	7.54	801.3	21.74	0.28	-228	15.3
1330	6.5	7.54	796.9	21.62	0.27	-229	9.3
1335	7.0	7.52	797.3	21.67	0.25	-230	7.0
1340	8.0	7.52	796.9	21.73	0.22	-231	5.3

Purge Finish Time: None

Total Volume Purged: 8.0

Final Depth to Water: 10.59

Sampling Information

Wellhead Gas Measurements: None

Sample Collection Time: 1340

Analytical Suite Collected: VOCs 8-As, Pb

QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-135S

Client:	Chevron	Well Condition:	Good
Project:	Barrier Wall September 2009	Geologist:	J Hall
Project No.	500-017-012	Date:	9-17-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	16.04
Depth to Water:	10.85
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	5.19
Casing Volume (Water Column x Gallons per foot):	0.83
Purge Volume (3 x Casing Volume):	2.5

Purge Information

Purge Start Time: 1030

Purge Method: Low flow

Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
10:40	3.0	7.0	805.3	21.12	0.36	-223	149.1
10:45	4.0	6.97	816.2	21.14	0.28	-228	57.3
10:50	4.9	6.96	813.1	21.15	0.16	-233	24.6
10:55	6.0	6.97	810.2	21.26	0.13	-237	11.7
11:00	7.0	6.97	806.4	21.17	0.11	-240	6.4
11:05	8.0	6.97	803.6	21.28	0.10	-243	5.0
11:10	8.9	6.98	800.8	21.36	0.13	-243	4.4

Purge Finish Time: 11:10

Total Volume Purged: 8.9

Final Depth to Water: 10.85

Sampling Information

Wellhead Gas Measurements: NA

Sample Collection Time: 11:10

Analytical Suite Collected: VOC's Dis As, Pb

QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. RMW-1D

Client:	Chevron	Well Condition:	Good
Project:	Barrier Wall Sptember 2009	Geologist:	SHH
Project No.	500-017-012	Date:	9-18-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	50.1
Depth to Water:	7.75
Depth to Product:	NA
Casing Diameter:	2"
Water Column:	42.35
Casing Volume (Water Column x Gallons per foot):	6.8
Purge Volume (3 x Casing Volume):	20.3

Purge Information

Purge Start Time:	1413
Purge Method:	Low flow
Flow Rate:	0.22 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1420	2.5	7.81	731.7	23.59	0.24	-132	39.2
1425	3.5	7.66	735.1	23.87	0.18	-143	53.2
1430	4.5	7.55	736.9	24.07	3.68	-155	24.9
1435	5.7	7.52	739.0	24.23	5.79	-156	21.1
1440	7.0	7.46	743.2	24.14	5.70	-159	15.1
1445	8.0	7.46	736.9	24.03	9.45	-167	7.6
1450	9.0	7.46	737.1	23.94	6.50	-165	7.3
1455	10.0	7.46	738.4	23.93	5.95	-164	6.1
1500	11.3	7.46	738.3	23.87	5.88	-164	5.2

Purge Finish Time:	1500
Total Volume Purged:	11.3
Final Depth to Water:	7.75

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	1500
Analytical Suite Collected:	VOC Diss As PS
QAQC Samples Collected:	None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. RMW-12

Client:	Chevron	Well Condition:	Good
Project:	Barrier Wall Sept-Dec 2008	Geologist:	T Hall
Project No.	500-017012	Date:	9-18-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	50.0
Depth to Water:	8.24
Depth to Product:	NO
Casing Diameter:	2"
Water Column:	41.76
Casing Volume (Water Column x Gallons per foot):	6.68
Purge Volume (3 x Casing Volume):	20.04

Purge Information

Purge Start Time:	~~1230~~ 1225
Purge Method:	Low flow
Flow Rate:	0.36 l/hr

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1235	6.0	7.21	739.3	24.49	0.16	-94	0.3
1240	7.0	7.18	766.9	26.00	0.19	-100	0.3
1245	8.1	7.18	767.7	25.98	0.27	-105	0.2
1250	9.0	7.18	768.7	26.01	0.26	-106	0.2

Purge Finish Time:	1250
Total Volume Purged:	9.0
Final Depth to Water:	8.25

Sampling Information

Wellhead Gas Measurements:	NA
Sample Collection Time:	1250
Analytical Suite Collected:	VOCs Diss As, Pb
QAQC Samples Collected:	MS/MSD

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-2I

Client:	Chevron	Well Condition:	Good
Project:	Barrier Wall September 2009	Geologist:	[illegible]
Project No.	500-617-012	Date:	9-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	49.0
Depth to Water:	8.84
Depth to Product:	NO
Casing Diameter:	2"
Water Column:	40.16
Casing Volume (Water Column x Gallons per foot):	6.43
Purge Volume (3 x Casing Volume):	19.28

Purge Information

Purge Start Time:	0830
Purge Method:	Low Flow
Flow Rate:	0.25 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0835	2.0	7.45	734.6	22.89	0.26	-150	1.0
0840	3.0	7.46	733.7	22.84	0.31	-152	0.8
0845	4.0	7.48	733.2	22.81	0.34	-152	0.6
0850	5.0	7.48	733.8	22.85	0.37	-152	0.9

Purge Finish Time:	0850
Total Volume Purged:	5.0
Final Depth to Water:	8.84

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	0850
Analytical Suite Collected:	VOC DissAsPb
QAQC Samples Collected:	None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. RMW-2D

Client:	Chevron	Well Condition:	Good
Project:	Barrier Wall September 2009	Geologist:	J Hall
Project No.	500-017-012	Date:	9-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	49.75
Depth to Water:	9.05
Depth to Product:	no
Casing Diameter:	8"
Water Column:	40.7
Casing Volume (Water Column x Gallons per foot):	6.5
Purge Volume (3 x Casing Volume):	19.5

Purge Information

Purge Start Time:	0750
Purge Method:	Low Flow
Flow Rate:	0.2 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0805	2.0	7.48	710.1	22.03	0.58	-110	28.4
0810	3.0	7.44	711.2	23.06	0.35	-125	10.0
0815	4.5	7.41	711.9	23.21	0.24	-133	2.9
0820	5.75	7.40	712.5	23.26	0.21	-137	1.6
0825	7.0	7.40	712.8	23.25	0.19	-138	0.6

Purge Finish Time:	0825
Total Volume Purged:	7.0
Final Depth to Water:	9.05

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	0825
Analytical Suite Collected:	VOC DissAsPb
QAQC Samples Collected:	None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-25

Client:	Chevron	Well Condition:	Good
Project:	SOB Monitoring Sep. 2009	Geologist:	J. Hill
Project No.	500-017-012	Date:	9-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	52.80
Depth to Water:	13.51
Depth to Product:	NO
Casing Diameter:	8"
Water Column:	39.29
Casing Volume (Water Column x Gallons per foot):	6.28
Purge Volume (3 x Casing Volume):	18.90

Purge Information

Purge Start Time: 0945

Purge Method: Low Flow

Flow Rate: 0.27 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0950	2.5	7.56	758.2	22.97	0.38	-149	2.2
0955	3.5	7.56	758.5	23.00	0.41	-153	0.7
1000	4.5	7.56	758.8	23.02	0.37	-157	0.4
1005	5.5	7.56	759.1	23.03	0.35	-158	0.4

Purge Finish Time: 1005

Total Volume Purged: 5.5

Final Depth to Water: 13.51

Sampling Information

Wellhead Gas Measurements: NA

Sample Collection Time: 1005

Analytical Suite Collected: VOC Diss GAS

QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-136D

Client: Chevron
Project: Barrier Wall Sp. 2009
Project No. 500-617-012

Well Condition: Good
Geologist: J. Hill
Date: 8-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 53.10
Depth to Water: 14.44
Depth to Product: ND
Casing Diameter: 8"
Water Column: 38.66
Casing Volume (Water Column x Gallons per foot): 6.19
Purge Volume (3 x Casing Volume): 18.6

Purge Information

Purge Start Time: 1030
Purge Method: Low flow
Flow Rate: 0.2 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1030	2.0	7.56	715.6	22.32	0.80	-125	17.0
1035	3.0	7.52	718.1	22.46	0.61	-131	4.9
1040	4.0	7.51	718.1	22.46	0.54	-133	2.8
1045	5.0	7.50	719.6	22.56	0.47	-136	1.8
1050	6.0	7.50	720.1	22.59	0.42	-137	1.3

Purge Finish Time: 1050
Total Volume Purged: 6.0
Final Depth to Water: 14.45

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1050
Analytical Suite Collected: VOC Diss Gas
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-13I

Client:	Chevron	Well Condition:	Good
Project:	Barrier Wall Sept-Dec 2009	Geologist:	J.Hill
Project No.	500-017-012.	Date:	9-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	35.90
Depth to Water:	14.68
Depth to Product:	NO
Casing Diameter:	2"
Water Column:	21.22
Casing Volume (Water Column x Gallons per foot):	3.4
Purge Volume (3 x Casing Volume):	10.18

Purge Information

Purge Start Time:	1305
Purge Method:	Low flow
Flow Rate:	0.24 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1310	3.0	7.60	719.0	23.94	0.51	-112	386.8
1315	4.0	7.53	705.8	23.12	0.35	-129	273.9
1325	6.0	7.51	708.1	23.23	0.33	-135	65.1
1330	7.0	7.50	709.1	23.31	0.30	-139	29.0
1335	8.0	7.48	712.2	23.48	0.29	-143	14.2
1340	9.0	7.47	714.6	23.65	0.28	-145	8.3
1345	10.0	7.47	715.0	23.68	0.26	-147	5.5
1350	11.0	7.47	714.9	23.62	0.26	-147	5.1

Purge Finish Time:	1350
Total Volume Purged:	11.0
Final Depth to Water:	14.69

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	1350
Analytical Suite Collected:	VOC D.SS As Pb
QAQC Samples Collected:	None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-136S No Sample

Client: Chevron
Project: Barrow, AK Sep 2009
Project No. 506-017-02

Well Condition: Good
Geologist: JKU
Date: 9-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 15.55
Depth to Water: 14.27
Depth to Product: ND
Casing Diameter: 2"
Water Column: 1.28
Casing Volume (Water Column x Gallons per foot): 0.20
Purge Volume (3 x Casing Volume): 0.61

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time:
Analytical Suite Collected: None
QAQC Samples Collected:

Notes: Well ran dry in less than 1 min.

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-137D

Client:	Chevron	Well Condition:	Good
Project:	Barrier V-11 Sep 2009	Geologist:	JLH
Project No.	500-017-012	Date:	9-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	52.60
Depth to Water:	14.27
Depth to Product:	no
Casing Diameter:	2"
Water Column:	38.33
Casing Volume (Water Column x Gallons per foot):	6.13
Purge Volume (3 x Casing Volume):	18.4

Purge Information

Purge Start Time:	1215
Purge Method:	Low-flow
Flow Rate:	0.25 ml/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1225	2.5	7.55	661.7	18.94	6.83	-181	353.4
1235	4.5	7.50	706.3	21.57	10.25	-168	584.2
1240	5.5	7.52	670.6	19.47	10.98	-183	63.6
1245	6.0	7.49	691.7	20.75	9.16	-187	105.9
1250	7.25	7.48	700.6	21.28	12.47	-183	70.5
1255	8.5	7.48	692.8	20.79	20.77*	-187	39.6
1300	9.5	7.47	693.8	20.78	7.99	-193	15.1
1305	10.5	7.48	684.7	20.23	8.87	-196	10.6
1310	11.5	7.47	693.7	20.82	6.45	-197	5.7
1315	12.5	7.47	692.9	20.83	6.55	-197	4.2

Purge Finish Time:	1315
Total Volume Purged:	12.5
Final Depth to Water:	14.27

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	1315
Analytical Suite Collected:	VOC, DissPb Ac.
QAQC Samples Collected:	BD-2, 092209

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-3S

Client:	Chevron	Well Condition:	Good
Project:	Barrier Wall Sep. 2009	Geologist:	JHM
Project No.	500-017-012	Date:	9-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	52.90
Depth to Water:	13.62
Depth to Product:	ND
Casing Diameter:	8"
Water Column:	39.28
Casing Volume (Water Column x Gallons per foot):	6.28
Purge Volume (3 x Casing Volume):	18.8

Purge Information

Purge Start Time:	1015
Purge Method:	Low flow
Flow Rate:	0.24 L/m

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1020	2.25	7.50	679.8	21.19	0.19	-159	274.8
1025	3.25	7.48	695.4	21.78	0.15	-168	455.6
1030	4.0	7.48	697.1	21.92	0.18	-165	262.8
1035	5.0	7.47	698.7	22.15	0.45	-161	95.4
~~1100~~ 1040	6.0	7.47	700.2	22.30	0.40	-160	49.3
1045	7.0	7.46	701.4	22.39	0.35	-161	26.0
1050	8.0	7.45	704.1	22.58	0.35	-163	17.3
1055	9.0	7.45	701.6	22.44	0.31	-165	12.2
1100	10.0	7.45	701.0	22.41	0.28	-166	9.8
1105	11.0	7.45	701.4	22.43	0.28	-165	9.0

Purge Finish Time:	1105
Total Volume Purged:	11.0
Final Depth to Water:	13.62

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	1105
Analytical Suite Collected:	VOC Diss Pb As
QAQC Samples Collected:	None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-B I

Client:	Chevron	Well Condition:	Good (Ants)
Project:	Barrier Well September 2009	Geologist:	J. Hill
Project No.	560-017-012	Date:	9-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	49.15
Depth to Water:	9.51
Depth to Product:	NO
Casing Diameter:	2"
Water Column:	39.64
Casing Volume (Water Column x Gallons per foot):	6.3
Purge Volume (3 x Casing Volume):	19.0

Purge Information

Purge Start Time:	0935
Purge Method:	Low-flow
Flow Rate:	0.26

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0940	2.0	7.61	671.7	20.10	0.25	-150	304.2
0945	4.0	7.57	666.1	19.78	0.17	-163	79.4
0950	5.0	7.53	678.9	20.72	0.17	-160	42.3
0955	6.0	7.50	692.4	21.45	0.23	-153	25.6
1000	7.0	7.50	692.9	21.46	0.23	-153	15.4
1005	8.0	7.50	693.8	21.50	0.23	-154	14.8

Purge Finish Time:	1005
Total Volume Purged:	8.0
Final Depth to Water:	9.51

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	1005
Analytical Suite Collected:	VOC Diss Asth
QAQC Samples Collected:	None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-3D

Client:	Chevron	Well Condition:	Good
Project:	Barrier Wall September 2009	Geologist:	J.H.H
Project No.	506-617-012	Date:	9-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	46.45
Depth to Water:	9.10
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	37.35
Casing Volume (Water Column x Gallons per foot):	5.97
Purge Volume (3 x Casing Volume):	17.98

Purge Information

Purge Start Time:	0840
Purge Method:	Low flow
Flow Rate:	23L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0850	2.5	7.65	672.9	21.20	1.93	-120	238
0855	3.5	7.61	679.7	21.18	0.66	-158	12.3
0900	4.5	7.58	674.6	21.09	0.41	-166	6.7
0905	5.5	7.56	671.4	20.82	0.29	-170	3.1
0910	6.5	7.55	668.5	20.61	0.24	-173	2.3
0915	8.0	7.65	668.1	20.27	0.17	-176	1.4

Purge Finish Time:	0915
Total Volume Purged:	8.0
Final Depth to Water:	9.10

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	0915
Analytical Suite Collected:	VOC Dissolved As
QAQC Samples Collected:	None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-137I

Client:	Chevron	Well Condition:	Good
Project:	Barrio Wall SP.0069	Geologist:	J. Hall
Project No.	500-017-012	Date:	9-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	38.45
Depth to Water:	14.62
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	23.83
Casing Volume (Water Column x Gallons per foot):	3.8
Purge Volume (3 x Casing Volume):	11.4

Purge Information

Purge Start Time:	1110
Purge Method:	Low-flow
Flow Rate:	0.2 L/m

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
11:20	2.5	7.49	669.7	20.44	0.38	-172	34.9
11:25	3.5	7.46	690.7	21.67	0.30	-170	31.5
11:30	4.0	7.44	702.9	22.53	0.35	-172	23.0
11:35	5.0	7.43	704.6	22.61	0.49	-175	20.5
11:40	6.5	7.44	695.1	21.92	0.33	-179	18.9
11:45	7.5	7.44	653.0	21.84	0.38	-182	16.6
11:50	8.5	7.43	696.5	22.07	0.38	-182	14.2
11:55	9.5	7.43	696.7	22.17	0.37	-183	13.5

Purge Finish Time:	11:55
Total Volume Purged:	9.5
Final Depth to Water:	14.62

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	1155
Analytical Suite Collected:	Diss As/Pb VOC
QAQC Samples Collected:	BD-1, 092209 / MS/MSD

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-13TS No Sample

Client:	Chevron	Well Condition:	Good
Project:	Barrow-11 Sp 2009	Geologist:	J. Hill
Project No.	506-017-012	Date:	9-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	16.0
Depth to Water:	14.85
Depth to Product:	NA
Casing Diameter:	2"
Water Column:	1.15
Casing Volume (Water Column x Gallons per foot):	0.18
Purge Volume (3 x Casing Volume):	0.55

Purge Information

Purge Start Time: —

Purge Method: —

Flow Rate: —

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity

No Sample

Purge Finish Time:

Total Volume Purged:

Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:

Sample Collection Time:

Analytical Suite Collected:

QAQC Samples Collected:

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSU-1D

Client: Chevron
Project: Barrow Gull Sep 2009
Project No. 500-017-012

Well Condition: Good
Geologist: Jill Barrow
Date: 8-29-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: UNK
Depth to Water: 14.73
Depth to Product: ND
Casing Diameter: 8"
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time: 0853
Purge Method: Low Flow
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
900	4.0	7.56	683.3	18.11	0.32	-86	165.3
905	4.75	7.61	677.5	17.79	0.36	-103	55.9
910	5.5	7.61	702.4	19.45	0.23	-121	12.6
915	6.5	7.62	709.3	19.63	0.16	-137	8.9
920	7.5	7.62	712	19.72	0.14	-147	6.6
925	8.5	7.63	713.6	19.82	0.13	-153	4.9
930	9.5	7.63	713.6	19.72	0.13	-157	4.4
935	10.5	7.64	709.6	19.40	0.13	-160	3.8

Purge Finish Time: 935
Total Volume Purged: 10.5
Final Depth to Water: 14.73

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 0935
Analytical Suite Collected: VOC Diss Mn Fe
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSU-15

Client:	Chevron	Well Condition:	Good
Project:	Barrow Well Sampling	Geologist:	J. Hill/D. Booth
Project No.	500-617-012	Date:	9-24-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	UNK
Depth to Water:	14.73
Depth to Product:	NO
Casing Diameter:	8"
Water Column:	
Casing Volume (Water Column x Gallons per foot):	
Purge Volume (3 x Casing Volume):	

Purge Information

Purge Start Time: 0945

Purge Method: Low flow

Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0950	9.0	7.76	699.9	18.91	3.73	-39	69
0955	10.0	7.79	706.9	19.33	3.91	-34	26.4
1000	11.0	7.80	707.0	19.32	3.96	-33	19.3
1005	12.0	7.82	709.0	19.45	3.98	-33	18.6
1010	13.5	7.82	708.9	19.43	3.98	-34	16.4
1015	14.5	7.83	707.0	19.28	4.00	-36	18.8
1020	15.5	7.83	709.0	19.41	3.97	-36	18.3

Purge Finish Time: 1020

Total Volume Purged: 15.5

Final Depth to Water:

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time: 1020

Analytical Suite Collected: COC, PB/AS

QAQC Samples Collected:

Notes: SAMPLED AT 16' BELOW MPE

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSW35

Client:
Project:
Project No.

Well Condition: GOOD
Geologist: J HALL & D BARRETT
Date: 9-29-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water: 20.6
Depth to Product:
Casing Diameter: 2"
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time: 1600
Purge Method: Low Flow
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1605	7.0	7.62	715.0	19.42	3.19	-133	58.1
1610	9.0	7.56	718.6	19.73	2.48	-130	18.1
1615	10.75	7.55	718.7	19.75	2.63	-127	12.3
1620	12.0	7.55	718.3	19.73	2.73	-126	10.5
1625	13.5	7.55	718.5	19.73	2.80	-125	9.2
1630	PUMP QUIT		HAD TO	RESTART			
1640	18.0	7.64	719.8	19.77	3.87	-129	30.5
1645	20.0	7.62	719.6	19.82	2.98	-127	42.0
1650	22.0	7.61	719.1	19.77	2.99	-127	16.0
1655	24.0	7.61	718.8	19.74	3.05	-127	13.1

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1655
Analytical Suite Collected:
QAQC Samples Collected:

Notes: PACKER SET @ 60 PSI 23' BELOW MPE
TURBIDITY DID NOT STABILIZE NEEDS REDEVELOPMENT
TO OPEN SLOT IN THE PIPE

Trihydro CORPORATION

Groundwater Sampling Form

Well No. RSO-3D

Client: Chevron
Project: Barrier Well Sep 2008
Project No. 500-017-012

Well Condition: Good
Geologist: Jill D. Barrett
Date: 9-29-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water: 20.6
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time: 1445
Purge Method: Low Flow
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1450	5.0	7.65	788.4	21.28	0.46	-164	104.7
1455	6.0	7.67	768.2	20.21	0.44	-162	61.0
1500	7.0	7.66	760.1	20.13	0.84	-145	30.8
1505	8.0	7.66	753.9	20.05	1.02	-140	19.8
1510	9.25	7.67	745.4	19.83	1.19	-135	15.6
1515	10.0	7.67	744.6	19.93	1.28	-133	12.0
1520	11.0	7.67	749.1	20.31	1.23	-129	10.6
1525	12.0	PUMP QUIT & HAD TO BE RESTARTED					
1530	15.5	7.65	768.9	21.44	0.51	-151	92.4
1535	16.5	7.67	755.8	20.76	0.63	-146	22.9

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time:
Analytical Suite Collected:
QAQC Samples Collected:

Notes: PACKER SET @ 60 PSI

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSW 3D SHEET 2

Client:
Project:
Project No.

Well Condition: GOOD
Geologist: J HALL + D BARRETT
Date: 9-29-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1540	17.5	7.67	754.8	20.84	0.79	-136	4.4
1545	18.5	7.68	753.0	20.77	0.89	-130	2.5
1550	19.5	7.68	752.8	20.79	0.90	-130	2.3

Purge Finish Time: 1550
Total Volume Purged: 19.5
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1550
Analytical Suite Collected:
QAQC Samples Collected:

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSW 2S

Client: CHEVRON
Project: BARRIER WALL SEP 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: JHALL + D BARRETT
Date: 9-29-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time: 1255
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1300	8.0	7.44	818	21.52	0.79	-129	337.4
1305	9.0	7.51	817.9	21.66	0.32	-146	250.0
1310	9.5	7.47	849.8	23.47	0.16	-156	144.6
1315	10	7.46	855.4	23.86	0.12	-162	110.7
1320	10.5	7.45	854.9	23.83	0.11	-165	100.2
1325	11.5	7.43	865.1	24.31	0.09	-169	105.1

Purge Finish Time: 1325
Total Volume Purged: 11.5
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1325
Analytical Suite Collected: CoC / Pb/AS
QAQC Samples Collected:

Notes: PACKER SET @ 60 PSI SAMPLED @ 19' BELOW MPE

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSU-20

Client: Chevron
Project: Barrier Well Sep. 2009
Project No. 500-017-012

Well Condition: Good
Geologist: J. Hill D. Barrett
Date: 9-29-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 39.6
Depth to Water: 17.80
Depth to Product: NO
Casing Diameter: 2"
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time: 12:00
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1205	1.5	7.59	798.7	21.15	0.30	-149	332.9
1210	2.5	7.54	791.2	20.82	0.22	-153	113.6
1215	3.5	7.50	809.9	21.80	0.17	-157	32.8
1220	5.0	7.44	820.5	22.49	0.10	-164	13.5
1225	6.0	7.41	822.6	22.67	0.08	-168	11.0
1230	8.0	7.36	827.6	22.95	0.07	-171	10.8
1235	9.75	7.32	825.4	22.83	0.06	-174	8.6
1240	11.25	7.32	824.5	22.79	0.06	-178	9.0
1245	12.5	7.32	824.7	22.80	0.06	-181	8.4

Purge Finish Time: 12:45
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1245
Analytical Suite Collected:
QAQC Samples Collected:

Notes: Packer Press set @ 60 PSI

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211755

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC: _____
SCR#: _____

(1)
Client: Chevron Acct. #: 11494
Project Name/#: Barrier Monitoring Network PWSID #: NWCNTWOOTRO
Project Manager: Douglas P.O.#: _____
Sampler: Joe Hall Quote #: _____
Name of state where samples were collected: OHIO

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	H	N								Remarks
BSW-1D, 092909	9-29-09	0935	X			X		4	3	1								QC Summary Data Package
BSW-1S, 092909	9-29-09	1020	X			X		4	3	1								(Disolved Metals are Field Filtered)
BSW-3S, 092909	9-29-09	1655	X			X		4	3	1								See Attached Analytical Sts
BSW-3D, 092909	9-29-09	1550	X			X		4	3	1								
BSW-2S, 092909	9-29-09	1325	X			X		4	3	1								
BSW-2D, 092909	9-29-09	1245	X			X		4	3	1								
Trip Blank, 092909	9-29-09	1240	X			X		2	2									

Preservation Codes: H=HCl, N=HNO_3, S=H_2SO_4, T=Thiosulfate, B=NaOH, O=Other

(6) Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1323 Fax #: 513-353-4884
E-mail address: dlam@trihydro.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10-1-09	1650			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211749

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chevron Cincinnati Acct. #: 11454
Project Name/#: Barrio Well SLO-017-012 PWSID #: [illegible]
Project Manager: Doug Lem P.O.#: _____
Sampler: [illegible] Quote #: _____
Name of state where samples were collected: OHIO

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	Nat's AK	Dissolved AB								Remarks	Temperature of samples upon receipt (if requested)
									H	N									
MW-13SI 092109	9-21-09	1350	X			X		4	3	1								See Attached Analyte List	
MW-13SD 092109	9-21-09	1050	X			X		4	3	1								Dissolved Metals are filtered	
BMW-2S 092109	9-21-09	1005	X			X		4	3	1									
MW-13SI 092209	9-22-09	11:55	X			X		4	3	1								QC Summary Data	
MW-13SI 092209 MS/MSD	9-22-09	1135	X			X		8	6	2								Package	
BD-1 092209	9-22-09	—	X			X		4	3	1									
BMW-3D 092209	9-22-09	0915	X			X		4	3	1									
BMW-3I 092209	9-22-09	1065	X			X		4	3	1									
BMW-3S 092209	9-22-09	1105	X			X		4	3	1									
MW-13D 092209	9-22-09	1315	X			X		4	3	1									

(7)
Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 533 3023 Fax #: 513 534 4164
E-mail address: [illegible]@th[illegible].com

(8)
Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	9-22-09	1500			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211748

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chevron Canada Acct. #: 11494
Project Name/#: Bow Valley 500-017-012 PWSID #: AB1601700007980
Project Manager: Doug Lam P.O.#: _____
Sampler: John Hall Quote #: _____
Name of state where samples were collected: OHIO

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4): Soil | Water (☐ Potable ☐ NPDES Check if Applicable) | Other | Total # of Containers | (5) Analyses Requested — Preservation Codes: H | N | | | | | | | | Remarks | (6) Temperature of samples upon receipt (if requested)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	H	N								Remarks
Equipment Blank 091709	9-17-09	1020	X			X		4	3	1								Dissolved Metals
MW-13S 091709	9-17-09	1110	X			X		4	3	1								See Field Sheet
MW-13SI 091709	9-17-09	1155	X			X		4	3	1								
MW-13SD 091709	9-17-09	1340	X			X		4	3	1								QC Summary Data
BMW-15 091709	9-17-09	1500	X			X		4	3	1								Package
BMW-8 091809	9-18-09	1250	X			X		4	3	1								
BMW-11 091809 MS/MSD	9-18-09	1250	X			X		8	6	2								
BMW-10 091809	9-18-09	1500	X			X		4	3	1								
BMW-2D 092109	9-21-09	0845	X			X		4	3	1								
BMW-2I 092109	9-21-09	0850	X			X		4	3	1								

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 515 352 1323 Fax #: 515 352 4664
E-mail address: [illegible]

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9-20-09	1000			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211751

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: Chevron Cincinnati Acct. #: 1494

Project Name/#: Barricade 11 500-017-012 PWSID #: NWKC17000030

Project Manager: Doug Lam P.O.#: _____

Sampler: John Hill Quote #: _____

Name of state where samples were collected: OHIO

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Check if Applicable: ☐ Potable ☐ NPDES)	Matrix: Other	Total # of Containers	H: HCl PAH	N: Dissolved Metals								Remarks (Temperature of samples upon receipt (if requested))
BD-2, 092209	9-22-09	—	X			X		4	3	1								Dissolved metals are field filtered
Equipment Blank, 092209 (P)	9-22-09	1500	X			X		4	3	1								
Equipment Blank, 092209	9-22-09	1515	X			X		4	3	1								
Trip Blank	9-22-09	1700	X			X		2	2									QC Summary data package

See attached analyte list

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353 1303 Fax #: 513 353 4469
E-mail address: _____

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/22/09	1800			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-134

Client: Chevron
Project: 2nd SA 2009
Project No. 500-017-612

Well Condition: Good
Geologist: S. Hall, D. Barrett
Date: 10-5-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 44.1
Depth to Water: 37.54
Depth to Product: ND
Casing Diameter: 2"
Water Column: 6.56
Casing Volume (Water Column x Gallons per foot): 1.05
Purge Volume (3 x Casing Volume): 3.15

Purge Information

Purge Start Time: 11:00
Purge Method: Low Flow
Flow Rate: .33 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
11:05	5.0	7.29	629.3	17.36	7.28	-22	596.6
11:10	6.0	7.28	639.5	17.82	6.58	-21	186.3
11:15	7.25	7.27	648.3	18.02	5.85	-18	46.1
11:20	8.0	7.27	649.4	18.20	5.46	-17	15.3
11:25	9.0	7.26	650.6	18.28	4.96	-16	8.6
11:30	10.0	7.26	653.0	18.36	4.69	-15	6.5

Purge Finish Time: 11:30
Total Volume Purged: 10.0
Final Depth to Water: 37.54

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 11:30
Analytical Suite Collected: VOC, Diss. Metals
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-132 (Sheet 1 of 2)

Client: Chevron
Project: 2nd Semi Annual 2009
Project No. 500-017-012

Well Condition: Good
Geologist: Hall / Barrett
Date: 10-5-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 44.35
Depth to Water: 37.76
Depth to Product: ND
Casing Diameter: 2"
Water Column: 6.59
Casing Volume (Water Column x Gallons per foot): 1.05
Purge Volume (3 x Casing Volume): 3.16

Purge Information

Purge Start Time: 0945
Purge Method: Low Flow
Flow Rate: .38 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0955	14.0	7.13	683.1	16.17	3.29	142	856.9
1000	15.0	7.19	684.1	16.17	2.37	44	822.3
1005	16.0	7.20	678.5	16.42	2.23	30	640.9
1010	17.0	7.19	682.7	16.99	2.37	27	241.1
1015	18.0	7.18	703.0	17.20	2.53	23	142.1
1020	19.0	7.17	711.6	17.28	2.60	21	60.4
1025	20.0	7.16	718.3	17.44	2.63	20	43.1
1030	21.0	7.16	715.1	17.33	2.60	19	18.0
1035	22.0	7.15	725.3	17.91	2.70	20	24.3
1040	23.0	7.14	733.2	18.19	2.64	19	10.3

Purge Finish Time: 1050
Total Volume Purged: 25.0
Final Depth to Water: 37.76

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1050
Analytical Suite Collected: VOC / Diss Metals
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-132 (Sheet 2 of 2)

Client: Chevron
Project: 2nd SA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: Scott D. Barrett
Date: 10-5-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water: See Sheet 1
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1045	24.00	7.13	734.9	18.19	2.64	18	8.2
1050	25.0	7.13	735.2	18.22	2.65	18	6.6

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1050
Analytical Suite Collected:
QAQC Samples Collected:

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-138

Client: CHEVRON
Project: 2nd SA 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: J. HALL + D. BARRETT
Date: 10-7-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 50.0
Depth to Water: 41.78
Depth to Product: ND
Casing Diameter: 2"
Water Column: 8.22
Casing Volume (Water Column x Gallons per foot): 1.32
Purge Volume (3 x Casing Volume): 3.95

Purge Information

Purge Start Time: 1300
Purge Method: Low Flow
Flow Rate: .5 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1310	13.5	7.36	844.4	16.26	0.91	-52	383.0
1315	14.25	7.33	861.4	17.02	0.18	-63	277.9
1320	15.0	7.26	864.0	17.17	0.17	-63	111.7
1325	17.0	7.22	859.3	17.20	0.13	-64	73.5
1330	18.0	7.20	850.7	16.76	0.14	-66	12.5
1335	19.5	7.17	858.7	17.27	0.13	-64	8.3
1340	20.5	7.16	859.7	17.29	0.12	-64	7.1

Purge Finish Time: 1340
Total Volume Purged: 20.5
Final Depth to Water: 41.78

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1340
Analytical Suite Collected: COC, Pb, AS
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-120

Client: Chevron
Project: 2nd SA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: J. HALL + D. BARRETT
Date: 10-7-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 46.90
Depth to Water: 41.46
Depth to Product: NO
Casing Diameter: 2"
Water Column: 5.44
Casing Volume (Water Column x Gallons per foot): 0.87
Purge Volume (3 x Casing Volume): 2.61

Purge Information

Purge Start Time: 1015
Purge Method: Low-Flow
Flow Rate: .34 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1020	5.25	7.20	918.5	16.43	6.44	-52	125.3
1025	6.25	7.14	930.4	16.9	5.47	-51	43.1
1030	7.25	7.11	930.5	16.89	4.72	-47	26.6
1035	8.25	7.09	943.3	17.45	4.00	-45	17.5
1040	9.25	7.09	951.3	17.88	3.32	-44	13.8
1045	11.00	7.09	944.1	17.46	2.69	-48	7.4
1050	12.5	7.08	948.5	17.64	2.15	-49	6.2
1055	14.0	7.07	953.8	17.89	1.63	-50	5.0
1100	15.5	7.07	946.2	17.50	1.45	-51	4.8

Purge Finish Time: 1100
Total Volume Purged: 15.5
Final Depth to Water: 41.46

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1100
Analytical Suite Collected: COC, Pb/As
QAQC Samples Collected: EB-1, 100709 @ 8:00 AM

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-139

Client: Chevron
Project: 2nd SA 2009
Project No. 500-017-019

Well Condition: Good
Geologist: S. Hall D. Barrett
Date: 10-7-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 50
Depth to Water: 41.70
Depth to Product: ND
Casing Diameter: 2"
Water Column: 8.3
Casing Volume (Water Column x Gallons per foot): 1.33
Purge Volume (3 x Casing Volume): 3.98

Purge Information

Purge Start Time: 1400
Purge Method: Low-Flow
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1410	15.5	7.14	853.2	15.90	0.88	-133	697.5
1415	17.0	7.26	864.6	16.62	0.15	-144	249.6
1420	18.5	7.25	867.5	16.82	0.11	-145	62.5
1425	20.0	7.23	869.8	16.93	0.10	-146	15.8
1430	21.0	7.22	872.7	17.06	0.10	-147	10.9
1435	22.5	7.21	873.2	17.12	0.10	-148	7.2
1440	24.0	7.21	871.9	17.05	0.10	-148	5.5

Purge Finish Time: 1440
Total Volume Purged: 24.0
Final Depth to Water: 41.70

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1440
Analytical Suite Collected: COC Dis As Pb
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-133

Client:	Chevron	Well Condition:	Good
Project:	2nd SA 2009	Geologist:	J. Hall, D. Barrett
Project No.	500-017-012	Date:	10-8-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	~~50.5~~ 50.55
Depth to Water:	44.21
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	6.34
Casing Volume (Water Column x Gallons per foot):	1.01
Purge Volume (3 x Casing Volume):	3.04

Purge Information

Purge Start Time:	1215
Purge Method:	Low Flow
Flow Rate:	.39 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1220	8.0	7.12	827.8	16.13	1.48	104	633.8
1225	8.5	7.13	827.2	16.10	0.82	-2	855.1
1230	9.5	7.12	834.7	16.56	0.86	-16	531.2
1235	10.25	7.12	835.3	16.68	0.89	-22	207.6
1240	12.00	7.12	842.2	17.09	0.85	-24	52.3
1245	14.0	7.13	840.7	17.02	0.84	-26	21.6
1250	16.0	7.13	840.3	17.0	0.80	-28	12.3
1255	17.75	7.13	840.3	17.02	0.79	-29	8.5
1300	19.0	7.13	838.3	16.98	0.77	-30	7.3
1305	20.5	7.13	838.8	16.99	0.75	-30	5.7
1310	22.0	7.13	838.5	16.99	0.74	-31	5.0
1315	23.5	7.13	838.9	17.0	0.75	-31	4.8

Purge Finish Time:	1315
Total Volume Purged:	23.5
Final Depth to Water:	44.21

Sampling Information

Wellhead Gas Measurements:	NONE
Sample Collection Time:	1315
Analytical Suite Collected:	COC, 16/AS, MNA
QAQC Samples Collected:	NONE

Notes: 65°F RAIN

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-35

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND SEM. ANNUAL 2009	Geologist:	J. HALL & D BARRETT
Project No.	500.017.012	Date:	10-12

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	51.70
Depth to Water:	43.50
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	8.2
Casing Volume (Water Column x Gallons per foot):	1.31
Purge Volume (3 x Casing Volume):	3.94

Purge Information

Purge Start Time: 900

Purge Method: LOW FLOW

Flow Rate: .4 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
910	6.5	7.07	865.4	16.05	0.27	-51	518.0
915	8.0	7.02	880.2	16.69	0.24	-38	86.2
920	9.5	7.00	877.5	16.62	0.18	-33	42.5
925	11.0	6.97	882.0	16.87	0.17	-30	19.0
930	13.5	6.95	885.7	17.06	0.16	-28	8.9
935	15.0	6.94	886.2	17.08	0.16	-28	6.5
940	16.75	6.94	885.8	17.09	0.15	-29	4.8
945	18.25	6.94	889.9	17.27	0.15	-29	4.1

Purge Finish Time: 945

Total Volume Purged: 18.25

Final Depth to Water: 43.50

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time: 945

Analytical Suite Collected: COC PB, AS MNA

QAQC Samples Collected: EB-2, 10/2/09 @ 825 COC, Pb/As TPH, BD-1, 101209

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-115S

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND SEMI ANNUAL 2009	Geologist:	J. HALL + D. BARRETT
Project No.	500-017-012	Date:	10-12-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	51.56
Depth to Water:	44.57
Depth to Product:	~~51.56~~ ND
Casing Diameter:	2"
Water Column:	6.99
Casing Volume (Water Column x Gallons per foot):	1.12
Purge Volume (3 x Casing Volume):	3.36

Purge Information

Purge Start Time:	~~0925~~ 1025
Purge Method:	LOW FLOW
Flow Rate:	.26 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1030	3.5	7.08	887.7	15.42	0.33	-117	130.4
1035	4.25	7.08	888.0	15.58	0.16	-119	66.4
1040	5.50	7.04	889.1	15.74	0.17	-120	18.9
1045	6.75	7.01	890.4	15.89	0.16	-121	10.3
1050	7.50	7.00	892.1	16.0	0.16	-121	9.7
1055	8.25	6.99	891.4	16.01	0.16	-121	7.9
1100	9.5	6.98	898.0	16.31	—	-122	7.6
1105	10.5	6.98	896.8	16.24	—	-122	7.4

Purge Finish Time:	1105
Total Volume Purged:	10.5
Final Depth to Water:	44.57

Sampling Information

Wellhead Gas Measurements:	NONE
Sample Collection Time:	1105
Analytical Suite Collected:	COC, PO/AS, MNA, TPH
QAQC Samples Collected:	MS/MSD, 101209

Notes: O2 SENSOR MESSED UP

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-142

Client: Chevron
Project: 2ND SA 2009
Project No. 500-017.012

Well Condition: Good
Geologist: J. Hill
Date: 10-13-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 53.00
Depth to Water: 48.13
Depth to Product: NO
Casing Diameter: 2"
Water Column: 4.87
Casing Volume (Water Column x Gallons per foot): .78
Purge Volume (3 x Casing Volume): 2.34

Purge Information

Purge Start Time: 0835
Purge Method: Low flow
Flow Rate: .33 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0840	5.0	6.98	667.2	15.99	6.09	-118	24.7
0845	6.0	6.92	677.4	16.19	0.50	-117	7.1
0850	7.0	6.89	680.3	16.22	0.89	-117	4.9
0855	8.0	6.88	681.8	16.21	0.99	-117	3.0
0900	9.0	6.88	682.5	16.20	0.99	-117	3.4
0905	10.0	6.88	683.5	16.21	0.99	-117	3.2

Purge Finish Time: 0905
Total Volume Purged: 10.0
Final Depth to Water: 48.13

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 0905
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes: CHANGED DO SENSOR IN 9500 H. C. ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-141

Client: Chevron
Project: 2nd SA 2009
Project No. 560-017-02

Well Condition: Good
Geologist:
Date: 10-13-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 52.9
Depth to Water: 48.13
Depth to Product: ND
Casing Diameter: 2"
Water Column: 4.77
Casing Volume (Water Column x Gallons per foot): .76
Purge Volume (3 x Casing Volume): 2.29

Purge Information

Purge Start Time: ~~0910~~ 0915
Purge Method: Low flow
Flow Rate: .45 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0925	6.0	6.84	1003	16.66	0.61	-97	20.7
0930	7.75	6.81	1010	16.84	0.80	-99	7.1
0935	9.25	6.80	1016	16.74	0.81	-102	4.3
0940	10.25	6.80	1012	16.75	0.79	-103	3.9

Purge Finish Time: 0940
Total Volume Purged: 10.25
Final Depth to Water: 48.13

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 0940
Analytical Suite Collected: VOC D-3 As Pb
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-22

Client: CHEVRON
Project: 2ND SA 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: J. HALL & D. BARRETT
Date: 10-13-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 38.30
Depth to Water: 28.98
Depth to Product: ND
Casing Diameter: 2"
Water Column: 9.32
Casing Volume (Water Column x Gallons per foot): 1.49
Purge Volume (3 x Casing Volume): 4.47

Purge Information

Purge Start Time: 1340
Purge Method: Low Flow
Flow Rate: .33L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1350	9.25	6.98	766.5	15.63	1.38	-94	357.9
1355	10.5	6.88	780.6	16.24	0.57	-93	512.1
1400	11.5	6.85	791.5	16.70	0.25	-94	494.6
1405	13.5	6.81	794.9	16.67	0.35	-96	372.0
1410	14.5	6.79	800.5	16.89	0.35	-97	252.0
1415	15.5	6.77	798.5	16.59	0.35	-98	206.1
1420	17.0	6.76	804.9	16.83	0.32	-99	153.3
1425	18.5	6.76	802.2	16.61	0.30	-100	136.6
1430	19.25	6.76	801.4	16.53	0.29	-100	109.3
1435	20.25	6.76	802.4	16.45	0.28	-101	61.9

Purge Finish Time: 1500
Total Volume Purged: 26.5
Final Depth to Water: 28.98

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1500
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-22 SHEET 2

Client:
Project:
Project No.

Well Condition:
Geologist:
Date: 10-13-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1440	21.5	6.75	801.7	16.33	0.26	-102	41.0
1445	22.75	6.74	804.9	16.42	0.25	-103	34.0
1450	24.0	6.74	805.4	16.46	0.24	-103	27.8
1455	25.25	6.74	805.8	16.45	0.24	-104	27.8
1500	26.5	6.75	806.1	16.45	0.24	-104	26.5

Purge Finish Time: 1500
Total Volume Purged: 26.5
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1500
Analytical Suite Collected:
QAQC Samples Collected:

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-114

Client: CHEVRON
Project: 2ND SEMI ANNUAL 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: J. HALL & D BARRETT
Date: 10-19-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 83.79
Depth to Water: 79.10
Depth to Product: ND
Casing Diameter: 2"
Water Column: 4.69
Casing Volume (Water Column x Gallons per foot): 0.75
Purge Volume (3 x Casing Volume): 2.25

Purge Information

Purge Start Time: 1220
Purge Method: LOW FLOW
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1230	8.0	6.69	1349	16.19	2.99	-27	347.7
1235	9.5	6.63	1383	16.89	2.95	-40	420.8
1240	10.0	6.62	1395	17.31	2.99	-45	207.0
1245	11.0	6.60	1422	17.70	2.99	-47	101.0
1250	12.0	6.60	1422	17.94	2.97	-51	49.7
1255	13.0	6.60	1428	18.10	2.99	-53	30.1
1300	14.0	6.60	1427	18.17	2.96	-56	18.7
1305	15.0	6.62	1413	18.08	2.89	-58	14.5
1310	16.0	6.62	1421	18.22	2.90	-57	11.5
1315	17.0	6.60	1425	18.10	2.84	-57	33.6

Purge Finish Time: 1355
Total Volume Purged: 24.75
Final Depth to Water: 79.10

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1355
Analytical Suite Collected: COC, Pb/As, TPH, MNA
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-114 SHEET 2

Client:
Project:
Project No.

Well Condition:
Geologist:
Date: 10-19-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1320	18.0	6.61	1437	18.38	2.81	-57	30.4
1325	18.75	6.62	1432	18.24	2.83	-57	21.9
1330	19.75	6.64	1415	18.04	2.80	-58	17.3
1335	20.75	6.63	1432	18.27	2.80	-58	11.1
1340	21.75	6.64	1426	18.09	2.81	-59	8.5
1345	22.75	6.65	1424	18.21	2.80	-59	6.0
1350	23.75	6.64	1432	18.21	2.81	-60	5.0
1355	24.75	6.64	1431	18.24	2.82	-60	5.4

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1355
Analytical Suite Collected: COC, Pb/AS, TPH, MNA
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-131

Client: Chevron
Project: 2nd Quarter
Project No. 500-017-012

Well Condition: Good
Geologist: Jill Barrett
Date: 10-20-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 43.65
Depth to Water: 35.75
Depth to Product: NO
Casing Diameter: 2"
Water Column: 7.9
Casing Volume (Water Column x Gallons per foot): 1.26
Purge Volume (3 x Casing Volume): 3.80

Purge Information

Purge Start Time: 1105
Purge Method: Low Flow
Flow Rate: .2 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1110	1	7.30	735.9	15.77	7.35	-204	60.2
1115	2.25	7.14	769.5	16.36	5.94	-202	61.6
1120	3.0	7.07	772.8	17.09	5.35	-200	24.4
1125	4.0	7.04	763.5	17.12	4.87	-198	9.3
1130	5.0	7.01	774.9	17.23	4.41	-196	5.2
1135	6.0	6.99	761.9	16.90	3.97	-195	3.0
1140	7.0	7.00	766.4	16.89	3.48	-195	2.1
1145	8.0	6.99	762.3	16.91	3.19	-195	1.7
1150	9.0	6.98	767.4	17.36	3.03	-194	1.4

Purge Finish Time: 1150
Total Volume Purged: 9.0
Final Depth to Water: 35.75

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1150
Analytical Suite Collected: Coc MNA
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-37

Client: Chevron
Project: 2nd SA 2005
Project No. 500-017-012

Well Condition: Good Broken
Geologist: Will D Barnett
Date: 10-20-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 30.4
Depth to Water: 25.99
Depth to Product: NO
Casing Diameter: 2"
Water Column: 4.41
Casing Volume (Water Column x Gallons per foot): 0.71
Purge Volume (3 x Casing Volume): 2.12

Purge Information

Purge Start Time: 0950
Purge Method: Low flow
Flow Rate: ~~250 ml/m~~ .42 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0955	7.0	7.08	1085	16.58	0.89	65	202.7
1000	8.5	6.80	1090	17.33	0.37	-99	33.9
1005	9.5	6.75	1075	17.16	0.23	-70	20.7
1010	12.0	6.70	1073	16.93	0.15	-89	7.4
1015	13.0	6.69	1073	17.01	0.12	-96	5.6
1020	14.0	6.67	1076	17.10	0.18	-100	3.3
1025	15.0	6.67	1073	17.12	0.19	-101	3.3

Purge Finish Time: 1025
Total Volume Purged: 15.0
Final Depth to Water: 26.00

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1025
Analytical Suite Collected: COC MNA
QAQC Samples Collected: FIELD BLANK 102009 @ 955A

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-104S

Client: Chevron
Project: 2nd SA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: J. Hall D. Barrett
Date: 11-9-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 25.1
Depth to Water: 18.49
Depth to Product: ND
Casing Diameter: 2"
Water Column: 7.61
Casing Volume (Water Column x Gallons per foot): 1.22
Purge Volume (3 x Casing Volume): 3.65

Purge Information

Purge Start Time: 1348
Purge Method: Low Flow
Flow Rate: .49 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1355	8.75	7.41	693.5	18.67	2.68	4	267.6
1400	10.0	7.33	696.8	18.87	2.66	5	78.7
1405	11.25	7.26	696.3	18.91	2.60	4	28.7
1410	12.75	7.22	696.3	18.95	2.56	2	9.5
1415	13.75	7.20	696.4	18.97	2.51	2	6.9
1420	14.75	7.20	696.2	18.99	2.48	1	5.0

Purge Finish Time: 1420
Total Volume Purged: 14.75
Final Depth to Water: 18.50

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1420
Analytical Suite Collected: COC
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-100S

Client: Chevron
Project: 2nd SA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: J. H. D Barrett
Date: 11-10-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 85.95
Depth to Water: 79.99
Depth to Product: NO
Casing Diameter: 2"
Water Column: 5.96
Casing Volume (Water Column x Gallons per foot): .95
Purge Volume (3 x Casing Volume): 2.86

Purge Information

Purge Start Time: 0855
Purge Method: Low Flow
Flow Rate: .27 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
905	6.0	7.12	939.1	15.10	1.21	-2	593.9
910	7.0	7.09	946.4	15.94	0.97	-9	376.9
915	8.0	7.07	948.5	16.52	1.13	-4	228.8
920	9.5	7.05	940.3	16.84	1.60	9	119.1
925	10.5	7.04	930.8	17.02	2.01	19	82.6
930	11.5	7.03	923.2	17.16	2.32	25	55.0
935	13.0	7.02	915.4	17.44	2.73	33	29.0
940	14.0	7.02	910.3	17.59	3.04	38	21.1
945	15.25	7.01	904.8	17.57	3.29	42	15.8
950	16.25	7.01	902.8	17.64	3.47	44	13.4

Purge Finish Time: 1010
Total Volume Purged: 20.5
Final Depth to Water: 79.99

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1010
Analytical Suite Collected: COC, TPH, MNA
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form SHEET 2

Well No. MW-100S

Client:

Project:

Project No.

Well Condition:

Geologist:

Date: 11-10-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:

Depth to Water:

Depth to Product:

Casing Diameter:

Water Column:

Casing Volume (Water Column x Gallons per foot):

Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:

Purge Method:

Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
955	17.5	7.01	901.5	17.70	3.63	46	10.3
1000	18.5	7.01	902.6	17.82	3.75	47	9.6
1005	19.5	7.00	904.1	17.90	3.80	48	9.6
1010	20.5	7.00	906.0	17.92	3.82	49	10.0

Purge Finish Time:

Total Volume Purged:

Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:

Sample Collection Time: 1010

Analytical Suite Collected: COC, TPH, MNA

QAQC Samples Collected:

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-124

Client: CHEVRON
Project: 2ND SA 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: JHALL DBARRETT
Date: 11-10-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 90.4
Depth to Water: 82.61
Depth to Product: ND
Casing Diameter: 2"
Water Column: 7.79
Casing Volume (Water Column x Gallons per foot): 1.25
Purge Volume (3 x Casing Volume): 3.74

Purge Information

Purge Start Time: 1155
Purge Method: LOW FLOW
Flow Rate: .4 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1205	12.0	7.41	803.2	15.03	6.66	34	367.8
1210	13.0	7.31	812.6	15.46	6.38	43	268.1
1215	14.0	7.26	814.6	15.59	6.37	45	324.6
1220	15.0	7.23	810.3	15.38	6.39	45	347.4
1225	16.0	7.19	816.7	15.65	6.34	45	79.0
1230	17.0	7.17	819.2	15.76	6.28	45	32.5
1235	18.0	7.23	819.0	15.79	6.34	45	3.4
1240	19.0	7.39	809.7	15.84	6.56	43	2.9
1245	20.0	7.42	809.0	15.86	6.67	43	2.9

Purge Finish Time: 1245
Total Volume Purged: 20.0
Final Depth to Water: 82.64

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1245
Analytical Suite Collected: COC, DIS METALS
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-48S

Client: Chevron
Project: ~~500~~ 2nd SA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: J. Hill
Date: 11-12-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 28.95
Depth to Water: 22.40
Depth to Product: ND
Casing Diameter: 2"
Water Column: 6.55
Casing Volume (Water Column x Gallons per foot): 1.05
Purge Volume (3 x Casing Volume): 3.14

Purge Information

Purge Start Time: 1235
Purge Method: Low Flow
Flow Rate: .32 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1245	6.5	6.88	797.1	20.44	0.08	-138	82
1250	7.5	6.81	824.1	20.48	0.08	-138	60.8
1255	8.5	6.77	837.9	20.61	0.08	-139	31.1
1300	9.5	6.76	839.0	21.03	0.07	-140	23.0
1305	10.5	6.75	845.0	20.60	0.07	-142	12.7
1310	11.5	6.75	842.6	21.06	0.06	-144	9.2
1315	12.5	6.74	844.7	20.99	0.05	-145	6.0

Purge Finish Time: 1315
Total Volume Purged: 12.5
Final Depth to Water: 22.42

Sampling Information

Wellhead Gas Measurements: 39.5 (PID)
Sample Collection Time: 1315
Analytical Suite Collected: COC
QAQC Samples Collected: None

Notes: Sheen (Chev) on purge water

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-26R

Client: Chevron
Project: 2nd SA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: S. Hill
Date: 11-12-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 52.05
Depth to Water: 40.70
Depth to Product: NO
Casing Diameter: 2"
Water Column: 11.35
Casing Volume (Water Column x Gallons per foot): 1.82
Purge Volume (3 x Casing Volume): 5.45

Purge Information

Purge Start Time: 1130
Purge Method: Low Flow
Flow Rate: .3 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
11:40	5.0	7.19	672.2	19.19	1.02	-10	43.5
11:45	6.0	7.19	677.5	19.71	0.85	-17	25.1
11:50	7.25	7.18	686.9	20.24	0.78	-21	19.8
11:55	8.25	7.18	690.6	20.65	0.62	-29	10.2
12:00	9.5	7.18	692.9	20.82	0.57	-33	7.6
12:05	10.5	7.18	692.0	20.82	0.55	-34	7.1

Purge Finish Time: 1205
Total Volume Purged: 10.5
Final Depth to Water: 40.71

Sampling Information

Wellhead Gas Measurements: 0.0
Sample Collection Time: 1205
Analytical Suite Collected: COC
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. 1-32

Client: Chevron
Project: 2nd SA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: T.H.H
Date: 11-12-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: —
Depth to Water: 23.60
Depth to Product: 23.59
Casing Diameter: 2"
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time: No Sample HC Insell
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
		HC Insell No Sample					

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time:
Analytical Suite Collected:
QAQC Samples Collected:

Notes: HC Insell

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-17

Client: Chevron
Project: 2nd SA 2009
Project No. 500-017012

Well Condition: Ground moisture around well
Geologist: J. Hill
Date: 11-12-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 39.0
Depth to Water: 24.67
Depth to Product: NO
Casing Diameter: 2"
Water Column: 14.33
Casing Volume (Water Column x Gallons per foot): 2.29
Purge Volume (3 x Casing Volume): 6.88

Purge Information

Purge Start Time: 0920
Purge Method: Low Flow
Flow Rate: .26 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0925	3.0	7.01	760.7	13.09	0.16	-111	101.7
0930	4.0	6.90	759.5	12.98	0.12	-108	80.9
0935	5.0	6.80	771.4	13.52	0.20	-105	43.3
0940	6.25	6.78	768.4	12.88	0.20	-103	33.2
0945	7.5	6.76	792.2	13.78	0.19	-101	17.6
0950	8.5	6.75	804.2	14.11	0.15	-100	17.4
0955	9.5	6.75	810.1	14.30	0.13	-100	11.2
1000	10.5	6.75	810.3	14.29	0.12	-99	12.1

Purge Finish Time: 1000
Total Volume Purged: 10.5
Final Depth to Water: 24.67

Sampling Information

Wellhead Gas Measurements: 22.1
Sample Collection Time: 1000
Analytical Suite Collected: COC
QAQC Samples Collected: BD-2, 111209

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-64

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND. A. GROUNDWATER 2009	Geologist:	D. BARLETT
Project No.	500-017-012	Date:	11-16-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	30.1
Depth to Water:	17.36
Depth to Product:	ND
Casing Diameter:	4"
Water Column:	12.74
Casing Volume (Water Column x Gallons per foot):	8.29
Purge Volume (3 x Casing Volume):	24.8

Purge Information

Purge Start Time: 1250

Purge Method: LOW FLOW

Flow Rate: .3 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1300	7.0	6.74	770.8	15.65	0.07	-234	121.3
1305	8.25	6.72	774	15.75	0.05	-239	110.9
1310	9.75	6.72	777.8	15.88	0.01	-244	98.5
1315	10.75	6.71	780.3	15.97	0.01	-248	97.5
1320	12.0	6.71	783.8	16.08	0.00	-251	81.2
1325	13.0	6.71	787.1	16.21	0.00	-254	76.9
1330	14.0	6.71	788.4	16.21	0.00	-257	63.1
1335	15.0	6.72	788.5	16.18	-0.01	-260	51.7
1340	16.5	6.72	792.3	16.33	-0.01	-262	48.9
1345	18.0	6.73	794.3	16.38	-0.01	-265	43.3

Purge Finish Time:

Total Volume Purged:

Final Depth to Water:

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time: 1405

Analytical Suite Collected: COC, TPH

QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-64 SHEET 2

Client:
Project:
Project No.

Well Condition:
Geologist:
Date: 11-16-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1350	19.5	6.74	795.8	16.40	-0.02	-267	42.2
1355	21.0	6.75	797.5	16.44	-0.02	-269	36.4
1400	22.5	6.75	798.5	16.50	-0.02	-271	32.9
1405	24.0	6.76	798.8	16.47	-0.02	-273	30.4

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1405
Analytical Suite Collected:
QAQC Samples Collected:

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-80

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND S.A. GROUNDWATER 2009	Geologist:	D BARRETT
Project No.	500-017-012	Date:	11-16-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	40.15
Depth to Water:	25.86
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	14.29
Casing Volume (Water Column x Gallons per foot):	2.29
Purge Volume (3 x Casing Volume):	6.86

Purge Information

Purge Start Time: 1020

Purge Method: Low Flow

Flow Rate: .25 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1030	5.0	6.88	836.7	15.70	0.05	-250	139
1035	6.5	6.82	847.3	15.88	0.06	-251	92.9
1040	7.5	6.79	853.7	15.93	0.08	-253	53.6
1045	8.5	6.77	859.1	15.99	0.07	-253	39.1
1050	9.5	6.75	865.4	16.22	0.05	-254	29.6
1055	10.5	6.75	865.2	16.13	0.03	-254	29.2
1100	11.5	6.74	867.2	16.21	0.03	-255	41.1
1105	12.5	6.73	874.4	16.40	0.03	-255	28.5
1110	13.5	6.73	876.0	16.40	0.03	-255	23.6
1115	14.5	6.73	877.7	16.41	0.02	-255	20.8

Purge Finish Time: 1125

Total Volume Purged: 16.25

Final Depth to Water: 25.86

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time: 1125

Analytical Suite Collected: COC TPH

QAQC Samples Collected: MS/MSD

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-80 SHEET 2

Client:
Project:
Project No.

Well Condition:
Geologist:
Date: 11-16-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1120	15.5	6.72	878.4	16.35	0.01	-254	20.1
1125	16.5	6.73	879.3	16.34	0.01	-255	20.5

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1125
Analytical Suite Collected:
QAQC Samples Collected:

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-35

Client: Chevron
Project: Monthly 4/Quad Nov. 2009
Project No. 500-017-012

Well Condition: Good
Geologist: Will D. Barrett
Date: 11-17-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 51.65
Depth to Water: 43.31
Depth to Product: NO
Casing Diameter: 2"
Water Column: 8.34
Casing Volume (Water Column x Gallons per foot): 1.33
Purge Volume (3 x Casing Volume): 4.0

Purge Information

Purge Start Time: 12:50
Purge Method: Low-Flow
Flow Rate: 22 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1300	3.0	7.28	818.1	15.78	6.56	59	184.5
1305	4.0	7.26	834.8	16.73	5.62	40	53.9
1310	5.0	7.24	841.0	16.96	5.07	52	15.3
1315	6.0	7.23	839.4	16.88	4.53	73	6.3
1320	7.0	7.22	837.4	16.89	4.18	85	3.5
1325	8.0	7.21	839.7	16.90	4.17	91	2.7
1330	9.0	7.21	840.1	16.91	4.22	91	1.8

Purge Finish Time: 1330
Total Volume Purged: 9.0
Final Depth to Water: 43.31

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1330
Analytical Suite Collected: VOC
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-133

Client: Chevron
Project: Monthly SW Quad Nov 2009
Project No. 500-017-012

Well Condition: Good
Geologist: Will D Barrett
Date: 11-17-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 50.50
Depth to Water: 43.59
Depth to Product: NO
Casing Diameter: 2"
Water Column: 6.91
Casing Volume (Water Column x Gallons per foot): 1.11
Purge Volume (3 x Casing Volume): 3.32

Purge Information

Purge Start Time: 1050
Purge Method: Low flow
Flow Rate: .35 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
11:05	10.0	7.58	865.9	15.43	7.69	235	203.8
11:10	12.0	7.43	904.9	16.95	2.31	252	401.0
11:15	13.0	7.41	883.0	16.28	1.34	259	199.2
11:20	14.0	7.38	902.5	17.12	1.28	261	93.1
11:25	15.0	7.35	906.4	17.24	1.12	263	43.9
11:30	16.0	7.33	912.4	17.43	1.08	261	22.1
11:35	17.0	7.35	903.2	17.32	0.94	260	16.9
11:40	18.0	7.34	906.2	17.60	0.92	258	9.8
11:45	19.0	7.34	908.3	17.61	0.89	258	8.9

Purge Finish Time: 11:45
Total Volume Purged: 19.0L
Final Depth to Water: 43.59

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1145
Analytical Suite Collected: VOC
QAQC Samples Collected: EB-1, 111709 @ 0905

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-142

Client: Chevron
Project: MONTHLY S.W. QUAD NOV 2009
Project No. 500-017-012

Well Condition: Good H.C. odor
Geologist: J. Hill D. Barrett
Date: 11-18-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 52.90
Depth to Water: 47.65
Depth to Product: NO
Casing Diameter: 2"
Water Column: 5.25
Casing Volume (Water Column x Gallons per foot): .84
Purge Volume (3 x Casing Volume): 2.52

Purge Information

Purge Start Time: 1350
Purge Method: Low Flow
Flow Rate: .38 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1400	6.0	6.98	718.4	15.57	0.13	-103	23.4
1405	7.5	6.92	726.3	16.01	0.10	-103	16.3
1410	9.0	6.90	725.2	15.93	0.08	-105	3.6
1415	10.25	6.89	727.3	16.06	0.07	-107	3.4
1420	11.5	6.88	727.6	16.07	0.06	-108	3.2

Purge Finish Time: 1420
Total Volume Purged: 11.5
Final Depth to Water: 47.65

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1420
Analytical Suite Collected: VOC's
QAQC Samples Collected: NONE

Notes: H.C. ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-139

Client:	Chevron	Well Condition:	Good
Project:	Mt. Alg SEQuad Nov. 2009	Geologist:	J. Hill D. Barnett
Project No.	500-017-012	Date:	11-18-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	50.0
Depth to Water:	40.97
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	9.03
Casing Volume (Water Column x Gallons per foot):	1.44
Purge Volume (3 x Casing Volume):	4.33

Purge Information

Purge Start Time: 10:10

Purge Method: Low Flow

Flow Rate: .45 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1020	10	6.89	804.1	15.32	0.13	-119	191.3
1025	11.0	6.87	808.1	15.55	0.11	-120	46.2
1030	12.0	6.87	810.5	15.65	0.09	-122	17.2
1035	13.5	6.86	808.2	15.53	0.07	-124	8.0
1040	15.0	6.84	812.2	15.74	0.06	-125	4.9
1045	16.5	6.86	807.4	15.49	0.05	-126	3.1
1050	18.0	6.87	805.7	15.42	0.05	-126	3.1

Purge Finish Time: 1050

Total Volume Purged: 18.0

Final Depth to Water: 40.97

Sampling Information

Wellhead Gas Measurements: None

Sample Collection Time: 1050

Analytical Suite Collected: VOC

QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-138

Client: Chevron
Project: Monkly SW Quad Nov 2009
Project No. 500-017-012

Well Condition: Good
Geologist: Will D. Barrett
Date: 11-18-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 50.0
Depth to Water: 41.09
Depth to Product: ND
Casing Diameter: 2"
Water Column: 8.91
Casing Volume (Water Column x Gallons per foot): 1.43
Purge Volume (3 x Casing Volume): 4.28

Purge Information

Purge Start Time: 0930
Purge Method: Low-Flow
Flow Rate: .5 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0940	11.0	7.04	778.8	15.15	0.14	-25	338.0
0945	12.5	6.85	791.3	16.02	0.05	-47	58.1
0950	14.0	6.80	792.9	16.25	0.04	-52	16.9
0955	15.5	6.78	792.3	16.33	0.05	-55	5.9
1000	17.0	6.78	789.6	16.25	0.05	-58	4.1
1005	18.5	6.78	790.6	16.31	0.05	-59	3.2

Purge Finish Time: 1005
Total Volume Purged: 18.5
Final Depth to Water: 41.09

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1005
Analytical Suite Collected: VOC
QAQC Samples Collected: None

Notes:

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211763

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: MONTHLY S.W. QUAD NOV 09 PWSID #: WRCW17000A20
Project Manager: DOUG LAM P.O.#: _____
Sampler: JOHN HALL Quote #: _____
Name of state where samples were collected: OHIO

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	VOCs									Remarks (6) Temperature of samples upon receipt (if requested)
MW-133 111709	11-17-09	1145	X			X		3	X									SEE ATTACHED
EB-1 111709	11-17-09	0905	X			X		3	X									ANALYTE LIST
MW-35 111709	11-17-09	1330	X			X		3	X									
MW-138 111809	11-18-09	1005	X			X		3	X									QC. SUMMARY
MW-139 111809	11-18-09	1050	X			X		3	X									DATA PACKAGE
MW-142 111809	11-18-09	1420	X			X		3	X									
TRIP BLANK 111909	11-19-09	1430	X			X		2	X									

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: ASAP
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1323 Fax #: 513 353 4664
E-mail address: MMITCHELL@THHYDE.COM

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Dale Barnett	11-19-09	1500			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-129

Client:	Chevron	Well Condition:	Good
Project:	2nd SA 2009	Geologist:	Todd D Barrett
Project No.	500-017-0	Date:	11-19-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	85.35
Depth to Water:	81.40
Depth to Product:	NO
Casing Diameter:	2"
Water Column:	3.95
Casing Volume (Water Column x Gallons per foot):	.632
Purge Volume (3 x Casing Volume):	1.90

Purge Information

Purge Start Time:	1315
Purge Method:	Low Flow
Flow Rate:	.5 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1325	12.0	7.33	941.8	14.18	6.14	-6	202.6
1330	14.0	7.22	961.9	14.85	6.21	11	1110.5
1335	16.0	7.14	971.8	15.77	6.10	20	142.2
1340	17.75	7.11	973.4	15.79	6.07	22	65.1
1345	19.50	7.08	978.8	15.95	6.06	24	43.7
1350	21.0	7.07	982.8	16.14	6.04	26	30.9
1355	23.0	7.05	985.9	16.22	6.04	27	27.7
1400	24.5	7.04	986.1	16.20	6.11	29	25.3
1405	26.0	7.03	986.1	16.19	6.08	29	27.2

Purge Finish Time:	1405
Total Volume Purged:	26
Final Depth to Water:	81.40

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	1405
Analytical Suite Collected:	VOC/DissAs/Pb
QAQC Samples Collected:	FIELD BLANK, 111909 @ 1350

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-23S

Client: Chevron
Project: 222 SA2009
Project No. 500-07-02

Well Condition: Good
Geologist: Todd DiBerrett
Date: 11-13-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 71.65
Depth to Water: 67.46
Depth to Product: ND
Casing Diameter: 2"
Water Column: 4.19
Casing Volume (Water Column x Gallons per foot): .67
Purge Volume (3 x Casing Volume): 2.01

Purge Information

Purge Start Time: 0920
Purge Method: Low Flow
Flow Rate: .35 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0935	9.0	6.92	1254	17.40	0.10	-114	77.2
0940	10.0	6.84	1191	16.34	0.09	-115	17.3
0945	11.0	6.82	1211	16.12	0.14	-116	14.3
0950	12.0	6.80	1244	16.52	0.14	-116	10.9
0955	13.0	6.79	1278	17.72	0.14	-117	9.7
1000	14.5	6.75	1312	19.09	0.13	-117	4.6
1005	16.0	6.74	1294	19.21	0.11	-118	3.1
1010	17.5	6.73	1290	19.20	0.11	-118	3.4

Purge Finish Time: 1010
Total Volume Purged: 17.5
Final Depth to Water: 67.46

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1010
Analytical Suite Collected: COC, TPH, MNA
QAQC Samples Collected: NONE

Notes: SHEEN ON PURGE WATER

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-815

Client: Chevron
Project: 2nd SA 2009
Project No. 50-017-012

Well Condition: Good
Geologist: Hill DBraff
Date: 11-19-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: OR
Depth to Water: 4634
*Depth to Product: 4635
Casing Diameter: 8"
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time:
Analytical Suite Collected:
QAQC Samples Collected:

Notes: H.C in well no Sample

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-130

Client: Chevron
Project: 2nd SAA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: Will D Barrett
Date: 11-19-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 64.55
Depth to Water: 62.41
Depth to Product: ~~64.55~~ ND
Casing Diameter: 2"
Water Column: 2.04
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time:
Analytical Suite Collected:
QAQC Samples Collected:

Notes: Insufficient H2O for Sample

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-113

Client: Chevron
Project: 2nd SA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: Jill D. Barrett
Date: 11-19-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	80.35	80.35
Depth to Water:	79.31	77.77
Depth to Product:	~~80.35~~ ND	
Casing Diameter:	3"	
Water Column:	1.04	
Casing Volume (Water Column x Gallons per foot):		
Purge Volume (3 x Casing Volume):		

* Insufficient H_2O for Sample

12/28/09

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

No Sample

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity

No Sample

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1325 on 12/28/09
Analytical Suite Collected: VOCs metals
QAQC Samples Collected:

Notes: Sample collected w/ Bailer due to lack of water recovery on 12/28/09

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-51

Client: CHEVRON
Project: 2ND SEMI ANNUAL 2009
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ D. BARRETT
Date: 12-2-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 32.45
Depth to Water: 23.02
Depth to Product: ND
Casing Diameter: 2"
Water Column: 9.43
Casing Volume (Water Column x Gallons per foot): 1.51
Purge Volume (3 x Casing Volume): 4.53

Purge Information

Purge Start Time: 940
Purge Method: LOW FLOW
Flow Rate: .31 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
950	5.0	7.28	616.2	17.46	0.15	-59	0.6
955	6.0	7.26	618.7	17.62	0.12	-72	0.2
1000	7.5	7.25	619	17.60	0.10	-84	0.1
1005	9.0	7.26	615.3	16.97	0.08	-95	0.1
1010	10.5	7.32	583.6	16.0	0.08	-98	0.0
1015	11.5	7.32	547.7	15.5	0.11	-100	-0.1
1020	12.5	7.32	545.2	15.5	0.11	-100	0.0

Purge Finish Time: 1020
Total Volume Purged: 12.5
Final Depth to Water: 23.02

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1020
Analytical Suite Collected: CoC, TPH MNA
QAQC Samples Collected: NONE

Notes: RAIN 50°F

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-33

Client: CHEVRON
Project: 2ND SEMI ANNUAL 2009
Project No. 500.017.012

Well Condition: GOOD
~~Geologist:~~ D. BARRETT
Date: 12-2-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 40.25
Depth to Water: 26.63
Depth to Product: ND
Casing Diameter: 2"
Water Column: 13.62
Casing Volume (Water Column x Gallons per foot): 2.18
Purge Volume (3 x Casing Volume): 6.53

Purge Information

Purge Start Time: 1305
Purge Method: LOW FLOW
Flow Rate: .23 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1315	4.0	7.01	677.8	12.53	0.45	-166	217.6
1320	5.0	6.97	685.4	12.98	0.18	-166	121.6
1325	5.5	6.92	691.7	13.27	0.13	-166	90.2
1330	6.5	6.90	688.6	13.15	0.11	-166	71.1
1335	7.5	6.88	695.7	13.50	0.10	-167	57.7
1340	8.5	6.86	698.7	13.66	0.09	-167	45.4
1345	9.5	6.85	701.8	13.83	0.08	-168	36.1
1350	10.5	6.85	701.4	13.77	0.07	-169	32.2
1355	11.5	6.84	700.3	14.00	0.06	-170	36.5

Purge Finish Time: 1355
Total Volume Purged: 11.5
Final Depth to Water: 26.63

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1355
Analytical Suite Collected: COC, TPH, MNA
QAQC Samples Collected: NONE

Notes: RAIN 50°F

Trihydro CORPORATION

Groundwater Sampling Form

Well No. L-1RR

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND SEMI ANNUAL 2009	~~Geologist:~~	D. BARLETT
Project No.	500-017-012	Date:	12-3-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	35.3
Depth to Water:	26.72
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	8.58
Casing Volume (Water Column x Gallons per foot):	1.37
Purge Volume (3 x Casing Volume):	4.12

Purge Information

Purge Start Time: 1207

Purge Method: Low Flow

Flow Rate: .2 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1217	5.0	6.77	789.0	14.61	0.09	-109	2576.1
1222	6.0	6.72	789.5	14.42	0.04	-111	1487.8
1227	7.0	6.69	780.5	14.05	0.09	-114	1039.0
1232	8.0	6.68	783.8	14.34	0.08	-117	579.0
1237	9.0	6.68	781.2	14.19	0.07	-119	404.4
1242	10.0	6.69	791.2	14.72	0.08	-121	339.1
1247	11.0	6.68	795.2	14.90	0.06	-122	262.0
1252	12.0	6.69	786.0	14.36	0.04	-123	176.0
1257	13.0	6.69	803.0	15.27	0.02	-125	127.9
1302	~~16.5~~ 14.5	6.69	809.9	15.55	0.03	-126	78.1

Purge Finish Time: 1345

Total Volume Purged: 24.0

Final Depth to Water: 26.72

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time:

Analytical Suite Collected: COC, TPH, MNA

QAQC Samples Collected: EB-3, 120309 @ 9[illegible], BD-3, 120309

Notes: 45°F CLOUDY, MISTY LAND AT TIMES, H.C. ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No. L-1RR

SHEET 2

Client:
Project:
Project No.

Well Condition:
Geologist:
Date:

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1307	16.0	6.69	808.9	15.49	0.02	-127	62.9
1312	17.5	6.69	809.5	15.49	0.02	-127	42.7
1317	19.0	6.70	808.9	15.44	0.03	-130	34.0
1322	20.0	6.70	809.8	15.48	0.01	-131	27.4
1327	21.0	6.71	811.2	15.54	0.01	-131	27.7
1332	22.0	6.71	811.0	15.54	0.01	-132	21.9
1337	23.0	6.71	807.6	15.32	0.01	-133	20.6
1342	24.0	6.72	813.2	15.56	0.01	-134	20.6

Purge Finish Time: 1342
Total Volume Purged: 24
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1345
Analytical Suite Collected:
QAQC Samples Collected:

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-10

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND SEMI ANNUAL 2009	Geologist:	D. BARLETT + J. THOMAS
Project No.	500-017-012	Date:	12-7-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	50.8
Depth to Water:	44.15
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	6.65
Casing Volume (Water Column x Gallons per foot):	1.06
Purge Volume (3 x Casing Volume):	3.19

Purge Information

Purge Start Time:	1310
Purge Method:	LOW FLOW
Flow Rate:	.25 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1320	4.0	6.94	661.4	16.82	0.22	-255	268.3
1325	5.25	6.88	666.2	17.88	0.19	-257	73.6
1330	7.0	6.87	655.3	17.73	0.16	-263	28.8
1335	8.0	6.90	640.5	16.75	0.15	-267	14.6
1340	9.0	6.94	627.7	15.93	0.16	-271	12.5
1345	10.0	6.95	626.6	15.85	0.16	-272	11.4
1350	10.5	6.97	614.1	14.98	0.17	-274	10.3
1355	11.5	6.94	643.3	16.91	0.15	-274	7.8
1400	12.5	6.93	642.0	16.78	0.15	-274	6.2
1405	13.5	6.93	647.0	17.0	0.13	-275	6.2

Purge Finish Time:	1405
Total Volume Purged:	13.5
Final Depth to Water:	44.15

Sampling Information

Wellhead Gas Measurements:	NONE
Sample Collection Time:	1405
Analytical Suite Collected:	COC
QAQC Samples Collected:	NONE

Notes: H.C. ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-38

Client: CHEVRON
Project: 2ND SEMI ANNUAL 2009
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ D. BARRETT & J THOMAS
Date: 12-8-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 39.6
Depth to Water: 28.25
Depth to Product: ND
Casing Diameter: 2"
Water Column: 11.35
Casing Volume (Water Column x Gallons per foot): 1.82
Purge Volume (3 x Casing Volume): 5.45

Purge Information

Purge Start Time: 905
Purge Method: Low Flow
Flow Rate: .29 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
915	9.5	6.80	668.5	11.92	0.18	-211	897.6
920	10.5	6.71	799.7	12.84	0.20	-212	1422.6
925	11.5	6.70	8278	15.77	0.10	-217	438.3
930	12.5	6.72	7366	13.77	0.14	-223	414.1
935	14.0	6.68	8436	14.96	0.10	-224	178.7
940	15.0	6.69	8264	14.92	0.08	-226	138.7
945	16.0	6.69	8199	14.53	0.08	-228	89.5
950	17.0	6.68	8350	14.27	0.07	-230	85.5
955	18.25	6.68	8290	14.62	0.10	-231	89.0
1000	19.0	6.73	7230	14.67	0.07	-236	61

Purge Finish Time: 1035
Total Volume Purged: 26
Final Depth to Water: 28.25

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1035
Analytical Suite Collected: COC, MNA
QAQC Samples Collected: FB-2, 120809 @ 1005AM

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-38 SHEET 2

Client: _____
Project: _____
Project No. _____

Well Condition: _____
Geologist: _____
Date: _____

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: _____
Depth to Water: _____
Depth to Product: _____
Casing Diameter: _____
Water Column: _____
Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
Purge Method: _____
Flow Rate: _____

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1005	20	6.67	8613	13.88	0.07	-235	53.7
1010	21	6.71	7946	14.25	0.06	-238	45.2
1015	22	6.72	7433	14.55	0.34	-240	32.7
1020	23	6.73	7164	14.35	0.09	-242	26.0
1025	24	6.72	7302	14.14	0.09	-242	23.1
1030	25	6.72	7331	13.86	0.06	-244	23.9
1035	26	6.71	7474	14.15	0.05	-244	25.0

Purge Finish Time: _____
Total Volume Purged: _____
Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
Sample Collection Time: 1035
Analytical Suite Collected: _____
QAQC Samples Collected: _____

Notes: _____

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-21

Client: CHEVRON
Project: 2ND SEMI ANNUAL 2009
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ D. BARRETT & J. THOMAS
Date: 12-8-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 34.9
Depth to Water: 28.38
Depth to Product: ND
Casing Diameter: 2"
Water Column: 6.52
Casing Volume (Water Column x Gallons per foot): 1.04
Purge Volume (3 x Casing Volume): 3.13

Purge Information

Purge Start Time: 1250
Purge Method: Low Flow
Flow Rate: .29 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1300	6.0	7.0	840.0	12.13	0.14	-224	363.9
1305	7.5	4.84	928.3	16.13	0.09	-220	167.0
1310	8.5	6.77	895.7	14.73	0.07	-218	125.8
1315	10.0	6.72	912.7	15.51	0.07	-219	67.6
1320	11.0	6.70	918.3	15.72	0.06	-220	60.5
1325	12.0	6.69	916.5	15.69	0.19	-220	55.9
1330	13.5	6.67	919.1	15.81	0.07	-220	40.9
1335	15.0	6.67	918.8	15.80	0.06	-220	34.7
1340	16.0	6.66	918.2	15.77	0.05	-221	27.9
1345	17.0	6.66	918.5	15.79	0.07	-222	19.8

Purge Finish Time: 1400
Total Volume Purged: 20
Final Depth to Water: 28.38

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1400
Analytical Suite Collected: COC TPH MNA
QAQC Samples Collected: BD-3 120809

Notes: H.C. ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-21 SHEET 2

Client:
Project:
Project No.

Well Condition:
Geologist:
Date:

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1350	18.0	4.66	907.3	15.29	0.04	-223	21.6
1355	19	4.66	912.7	15.55	0.05	-224	20.7
1400	20.0	4.66	908.3	15.34	0.03	-224	19.2

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time: 1400
Analytical Suite Collected:
QAQC Samples Collected:

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-85D

Client: Chevron
Project: RAP SA2009
Project No. 500-017-012

Well Condition: Good
Geologist: J. Hall
Date: 12-09-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 68.20
Depth to Water: 19.83
Depth to Product: ND
Casing Diameter: 8"
Water Column: 48.37
Casing Volume (Water Column x Gallons per foot): 7.74
Purge Volume (3 x Casing Volume): 23.22

Purge Information

Purge Start Time: 1340
Purge Method: Low Flow
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1350	3.5	7.73	6358	15.32	0.59	-159	280.1
1355	4.5	7.69	602.0	14.69	0.47	-163	123.1
1400	5.5	7.69	614.1	14.21	0.48	-162	70.0
1405	6.5	7.69	616.7	14.20	0.48	-162	72.0
1410	7.5	7.68	613.8	14.35	0.47	-161	40.1
1415	8.5	7.70	600.3	13.45	0.46	-161	30.7
1420	9.5	7.72	599.7	13.54	0.45	-160	23.7
1420	10.5	7.72	558.9	13.55	0.45	-160	23.9
1425	11.5	7.73	599.6	13.58	0.42	-160	22.7

Purge Finish Time: 1425
Total Volume Purged: 11.5
Final Depth to Water: 19.83

Sampling Information

Wellhead Gas Measurements: none
Sample Collection Time: 1425
Analytical Suite Collected: COC
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-112

Client: Chevron
Project: Second Semi Annual 2009
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ D. BARRETT & J. THOMAS
Date: 12-9-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 48.65
Depth to Water: 41.32
Depth to Product: ND
Casing Diameter: 2"
Water Column: 7.33
Casing Volume (Water Column x Gallons per foot): 1.17
Purge Volume (3 x Casing Volume): 3.5

Purge Information

Purge Start Time: 910
Purge Method: Low Flow
Flow Rate: .31 L/min

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
920	5.75	7.27	606.6	16.68	0.19	-241	37.8
925	7	7.14	622.0	17.61	.20	-242	17.1
930	8	7.10	622.9	17.57	.17	-224	5.9
935	9	7.07	625.6	17.50	.14	-247	2.1
940	10	7.08	615.0	16.99	.12	-250	1.1
945	11	7.07	617.6	17.07	.11	-252	0

Purge Finish Time: 945
Total Volume Purged: 11
Final Depth to Water: 41.32

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 945
Analytical Suite Collected: CoC, NA
QAQC Samples Collected: FB-3, 120909 @ 932

Notes: SLIGHT H.C. ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-11R

Client: CHEVRON

Project: 2ND SEMI ANNUAL 2009

Project No. 500-97-312

Well Condition:

~~Geologist:~~ D. BARRETT

Date: 12-9-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:

Depth to Water: 30.77

Depth to Product: 30.77

Casing Diameter:

Water Column:

Casing Volume (Water Column x Gallons per foot):

Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:

Purge Method:

Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity

Purge Finish Time:

Total Volume Purged:

Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:

Sample Collection Time:

Analytical Suite Collected:

QAQC Samples Collected:

Notes: DID NOT SAMPLE - TRACE OF H.C. IN WELL

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-57

Client: CHEVRON
Project: 2ND SEMI ANNUAL 2009
Project No. 500-017-012

Well Condition:
~~Geologist:~~ D. BARRETT
Date: 12-9-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:
Depth to Water:
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time:
Analytical Suite Collected:
QAQC Samples Collected:

Notes: DID NOT SAMPLE – OIL GLOBULETS ON GAUGING TAPE

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-52

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND SEMI ANNUAL 2009	~~Geologist:~~	D BARRETT + J THOMAS
Project No.	500-017-012	Date:	12-9-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	57.25
Depth to Water:	38.0
Depth to Product:	ND
Casing Diameter:	4"
Water Column:	19.25
Casing Volume (Water Column x Gallons per foot):	12.51
Purge Volume (3 x Casing Volume):	37.53

Purge Information

Purge Start Time: 1435
Purge Method: LOW FLOW
Flow Rate: .4 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1445	6.0	6.93	724.9	16.54	0.15	-197	39.2
1450	7.75	6.86	724.0	16.49	0.11	-197	29.9
1455	9.0	6.84	717.4	16.10	0.11	-198	28.8
1500	10.5	6.82	722.7	16.46	.10	-199	26.5
1505	12	6.80	730.5	16.90	.09	-201	26.9

Purge Finish Time: 1505
Total Volume Purged: 12
Final Depth to Water: 38.0

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1505
Analytical Suite Collected: COC, TPH, MNA
QAQC Samples Collected: NONE

Notes: H.C. ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-95

Client: Chevron
Project: 2nd 07 Semiannual
Project No.

Well Condition: Good
Geologist:
Date: 12/28/09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 82.50
Depth to Water: 77.88
Depth to Product:
Casing Diameter:
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time: Bailer used
Purge Method:
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements: —
Sample Collection Time: 1305
Analytical Suite Collected: VOCs MTBE (8135)
QAQC Samples Collected: —

Notes: Sampled w/ Bailer due to lack of water & recovery

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211756

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC: _____
SCR#: _____

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: 2nd SEMI-ANNUAL 2009 PWSID #: MW-GW/PDD MW
Project Manager: DOUG LAM P.O.#: _____
Sampler: DALE BARRETT Quote #: _____
Name of state where samples were collected: OHIO

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	VOCs PA Reg	PAHs Dissolved metals	MNA							Remarks
MW-132, 100509	10-5-09	1050	X			X		4	X	X								SEE ATTACHED
MW-134, 100509	10-5-09	1130	X			X		4	X	X								ANALYTE LIST
MW-120, 100709	10-7-09	1100	X			X		4	X	X								
MW-138, 100709	10-7-09	1340	X			X		4	X	X								QC SUMMARY
MW-139, 100709	10-7-09	1440	X			X		4	X	X								DATA PACKAGE
MW-133, 100809	10-8-09	1315	X			X		16	X	X	X							
EB-1, 100709	10-7-09	0800	X			X		4	X	X								
TRIP BLANK, 100809	10-8-09	1400	X			X		2	X									

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6) Temperature of samples upon receipt (if requested)

(7)
Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353 1323 Fax #: 513 353 4664
E-mail address: MMITCHELL@THMDO.COM

(8)
Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10-8-09	1430			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211758

Please print. Instructions on reverse side correspond with circled numbers.

(1)

Client: CHEMRON Acct. #: 11494

Project Name/#: 2ND SEMI ANNUAL 2009 PWSID #: WVW6W17200420

Project Manager: DOUG LAM P.O.#:

Sampler: JOHN HALL Quote #:

Name of state where samples were collected: OHIO

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Matrix; ☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	VOC's 8260	8260 Dissolved Metals	MADA	THM 624	THM 524					Remarks	Temperature of samples upon receipt (if requested)
EB-2, 101209	10-12-09	0825	X			X		9	X	X		X	X					SEE ATTACHED	
MW-35, 101209	10-12-09	0945	X			X		6	X	X	X							ANALYTE LIST	
BD-1, 101209	10-12-09	—	X			X		4	X	X									
MW-1155 101209	10-12-09	1105	X			X		21	X	X	X	X	X					QC SUMMARY	
MW-1155, MS/MSD 101209	10-12-09	1105	X			X		18	X	X		X	X					DATA PACKAGE	
TRIP BLANK 101209	10-12-09	1430	X			X		2	X										
TRIP BLANK, 101209	10-12-09	1430	X			X		2				X							
																		3 COOLERS	

(7)

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353 1323 Fax #: 513 353 4664
E-mail address: MMITCHELL@THHYDRO.COM

(8)

Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10-12-09	1500			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of C

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211759

Please print. Instructions on reverse side correspond with circled numbers.

(1)

Client: CHEVRON Acct. #: _____

Project Name/#: 2ND SEM. ANNUAL 2009 PWSID #: MARCH, 2000 M20

Project Manager: DOUG LAM P.O.#: _____

Sampler: DALE BARRETT Quote #: _____

Name of state where samples were collected: OHIO

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	VOCs (M 8260)	Metals Dissolved Metals	MMA	TPH GRO	TPH DRO					Remarks
MW-142 101309	10-13-09	0905	X			X		4	X	X								SEE ATTACHED
MW-141 101309	10-13-09	0940	X			X		4	X	X								ANALYTE LIST
MW-22 101309	10-13-09	1500	X			X		4	X	X								
MW-114 101909	10-19-09	1355	X			X		21	X	X	X	X	X					QC SUMMARY
TRIP BLANK 101909	10-19-09	1515	X			X		2	X									DATA PACKAGE
TRIP BLANK 101909	10-19-09	1525	X			X		2				X						

(6) Temperature of samples upon receipt (if requested)

(7)

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353 1323 Fax #: 513 353 4664
E-mail address: MMITCHELL@TRIHOME.COM

(8)

Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10-19-09	1600			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

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Acct. # _____ Group# _____ Sample # _____

COC # 211760

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: 2ND SEMI ANNUAL 2009 PWSID #: MARCW 17000 M20
Project Manager: DOUG LAM P.O.#:
Sampler: DALE BARRETT Quote #:
Name of state where samples were collected: OHIO

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4): Soil | Water (☐ Potable ☐ NPDES Check if Applicable) | Other | Total # of Containers | (5) Analyses Requested / Preservation Codes: VOC's M 8260 | Total Dissolved METALS | MNA | Remarks | (6) Temperature of samples upon receipt (if requested)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	VOC's M 8260	Total Dissolved METALS	MNA	Remarks
FIELD BLANK-1/102009	10-20-09	0955	X			X		3	X			SEE ATTACHED
MW-37/102009	10-20-09	1025	X			X		16	X	X	X	ANALYTE LIST
MW-13/102009	10-20-09	1150	X			X		16	X	X	X	
TRIP BLANK/102009	10-20-09	1400	X			X		2	X			QC SUMMARY
												DATA PACKAGE

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353 1323 Fax #: 513 353 4664
E-mail address: MMITCHELL@THAYPRO.COM

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10-20-09	1430			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211761

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: 2ND SEMI ANNUAL 2009 PWSID #: MUKN17000M20
Project Manager: DOUG LAM P.O.#:
Sampler: DALE BARRETT Quote #:
Name of state where samples were collected: OHIO

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	VOC's ML 8260	Total Dissolved Metals	MNA	TPH GRO	TPH DRO					Remarks	Temperature of samples upon receipt (if requested)
MW-104S, 110909	11-9-09	1420	X			X		4	X	X								SEE ATTACHED	
MW-100S, 111009	11-10-09	1010	X			X		21	X	X	X	X	X					ANALYTE LIST	
MW-124, 111009	11-10-09	1245	X			X		4	X	X									
TRIP BLANK, 111009	11-10-09	1415	X			X		2	X									QC SUMMARY	
TRIP BLANK, 111009	11-10-09	1415	X			X		2				X						DATA PACKAGE	

(7)
Turnaround Time Requested (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax (E-mail)
Phone #: 513 353 1323 Fax #: 513 353 4464
E-mail address: AMITCHELL@TRHYDRO.COM

(8)
Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Dale Barrett	11-10-09	1430			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211764

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: 2ND SEMI ANNUAL 2009 PWSID #: MARCH 2009
Project Manager: DOUG LAM P.O.#:
Sampler: JOHN HALL Quote #:
Name of state where samples were collected: OHIO

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	VOC's (8260)	Pb/Cd Dissolved metals	MNA	TPH GRO	TPH DRO					Remarks
MW-935, 111909	11-19-09	1010	X			X		21	X	X	X	X	X					SEE ATTACHED
MW-129, 111909	11-19-09	1405	X			X		4	X	X								ANALYTE LIST
TRIP BLANK, 111909	11-19-09	1440	X			X		2	X									
TRIP BLANK, 111909	11-19-09	1440	X			X		2				X						QC SUMMARY
FIELD BLANK, 111909	11-19-09	1350	X			X		3	X									DATA PACKAGE

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6) Temperature of samples upon receipt (if requested)

(7)
Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353 1323 Fax #: 513 353 9609
E-mail address: MATTHEWL@THEHYPO.COM

(8)
Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Carl Barnes	11-19-09	1600			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211765

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 1494
Project Name/#: 2ND SEMI ANNUAL 2009 PWSID #: WVRW17000A20
Project Manager: DOUG LAM P.O.#:
Sampler: DALE BARRETT Quote #:
Name of state where samples were collected: OHIO

For Lab Use Only
FSC:
SCR#:

(5) Analyses Requested — Preservation Codes

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	VOCs M 8260	Dissolved Metals	TPH GRO	TPH DRO	MMT					Remarks (6) Temperature of samples upon receipt (if requested)
MW-51 120209	12-2-09	1020	X			X		21	X	X	X	X	X					SEE ATTACHED
MW-33 120209	12-2-09	1355	X			X		21	X	X	X	X	X					ANALYTE LIST
TRIP BLANK 120209	12-2-09	1530	X			X		2	X									
TRIP BLANK 120209	12-2-09	1530	X			X		2			X							DISSOLVED METALS
																		ARE FIELD FILTERED
																		QC SUMMARY
																		DATA PACKAGE

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353 1323 Fax #: 513 353 4664
E-mail address: MMITCHELL@THHYDRO.COM

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12-3-09	1600			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211766

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: 2ND SEMI ANNUAL 2009 PWSID #: WECM/7000420
Project Manager: DOUG LAM P.O.#:
Sampler: DALE BARRETT Quote #:
Name of state where samples were collected: OHIO

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix (4): Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	(5) Analyses Requested / Preservation Codes: VOC's PPL 8260	PB/AS DISSOLVED METALS	TPH GRO	TPH DRO	MNA					Remarks	(6) Temperature of samples upon receipt (if requested)
EB-3 120309	12-3-09	0900	X			X		9	X	X	X	X						SEE ATTACHED	
BD-3 120309	12-3-09	—	X			X		9	X	X	X	X						ANALYTE LIST	
L-1AR 120309	12-3-09	1345	X			X		21	X	X	X	X	X						
TRIP BLANK 120309	12-3-09	1545	X			X		2	X									DISSOLVED METALS	
TRIP BLANK 120309	12-3-09	1545	X			X		2			X							ARE FIELD FILTERED	
																		QC SUMMARY	
																		DATA PACKAGE	

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353 1323 Fax #: 513 359 4664
E-mail address: MMITCHELL@THHYDRO.COM

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12-3-09	1600			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211767

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: 2ND SEMI ANNUAL 2009 PWSID #: WRW/1000M20
Project Manager: DOUG LAM P.O.#:
Sampler: DALE BARRETT Quote #:
Name of state where samples were collected: OHIO

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4): Soil | Water (☐ Potable ☐ NPDES Check if Applicable) | Other | Total # of Containers | (5) Analyses Requested / Preservation Codes: VOCs (8260) | Pb/As Dissolved Metals | TPH GRO | TPH DRO | MNA | | | | | Remarks | (6) Temperature of samples upon receipt (if requested)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	VOCs (8260)	Pb/As Dissolved Metals	TPH GRO	TPH DRO	MNA					Remarks
MW-10, 120709	12-7-09	1405	X			X		4	X	X								SEE ATTACHED
MW-38, 120809	12-8-09	1035	X			X		16	X	X			X					ANALYTE LIST
FB-2, 120809	12-8-09	1005	X			X		3	X									
MW-21, 120809	12-8-09	1400	X			X		21	X	X	X	X	X					DISSOLVED METALS
BD-3, 120809	12-8-09	—	X			X		9	X	X	X	X						ARE FIELD FILTERED
TRIP BLANK, 120809	12-8-09	1545	X			X		2	X									
TRIP BLANK, 120809	12-8-09	1545	X			X		2			X							QC SUMMARY
																		DATA PACKAGE

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353 1323 Fax #: 513 353 4664
E-mail address: MMITHILL@TRIHYDRO.COM

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Dale Barrett	12-8-09	1615			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 225014

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chevron Acct. #: 11494
Project Name/#: 2nd Semi Annual 2009 PWSID #: MWRCM170000020
Project Manager: Doug Lam P.O.#: _____
Sampler: Dale Barrett Quote #: _____
Name of state where samples were collected: Ohio

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4): Soil | Water (☐ Potable ☐ NPDES Check if Applicable) | Other | Total # of Containers | (5) Analyses Requested — Preservation Codes: VOC, PM 8260 | Dissolved metals | TPH GRO | TPH DRO | MNA | Remarks | (6) Temperature of samples upon receipt (if requested)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	VOC, PM 8260	Dissolved metals	TPH GRO	TPH DRO	MNA	Remarks
MW-85, 120909	12/9/09	1425	X			X		4	X	X				See Attached
MW-52, 120909	12/9/09	1505	X			X		21	X	X	X	X	X	Analyte List
MW-112, 120909	12/9/09	0945	X			X		16	X	X			X	
Trip Blank	12/9/09	—	X			X		4	X		X			Dissolved metals
FB-3, 120909	12/9/09	0930	X			X		3	X					are field filtered
														QC Summary
														Data Package

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1323 Fax #: 513-353-4664
E-mail address: mmitchell@trihydro.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	12/9/09	1600			

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 225013

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chevron Acct. #: 11494
Project Name/#: 2nd Semi Annual 2009 PWSID #: MWRCN170003.0
Project Manager: Doug Lam P.O.#: _____
Sampler: Dale Barrett Quote #: _____
Name of state where samples were collected: Ohio

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	VOC, MTBE 8260 (H)	Dissolved metals (N)	TPH GRO	TPH DRO	MNA					Remarks	Temperature of samples upon receipt (if requested)
MW-BS 122809	12/28/09	1305	X			X		4	X	X								See Attached	
MW-113 122809	12/28/09	1325	X			X		4	X	X								Analyte List	
Trip Blank 122809	12/28/09	—	X			X		2	X										
																		Dissolved metals	
																		are field filtered	
																		QC Summary	
																		Data Package	

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 503-353-1323 Fax #: 503-353-4664
E-mail address: mmitchell@trihydro.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/28/09	1400			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-35

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD DEC 09
Project No. 500.017.012

Well Condition: GOOD
~~Geologist:~~ D. BARRETT & J. THOMAS
Date: 12-11-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 51.65
Depth to Water: 42.83
Depth to Product: ND
Casing Diameter: 2"
Water Column: 8.82
Casing Volume (Water Column x Gallons per foot): 1.41
Purge Volume (3 x Casing Volume): 4.23

Purge Information

Purge Start Time: 1025
Purge Method: LOW FLOW
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1035	4.75	7.27	665.1	9.88	0.95	-25	407.0
1040	5.75	7.26	689.0	11.28	0.87	-33	357.2
1045	6.75	7.24	735.8	13.84	.74	-35	108.3
1050	7.75	7.22	732.3	13.80	.64	-39	48.1
1055	8.75	7.20	745.6	14.48	.57	-41	26.1
1100	9.75	7.19	741.5	14.33	.54	-43	20.0
1105	10.75	7.18	743.0	14.41	.53	-45	12.9
1110	11.75	7.18	759.0	15.29	.52	-45	9.6
1115	12.75	7.17	751.0	14.97	.52	-47	8.7
1120	13.75	7.18	753.0	15.06	.51	-49	5.2

Purge Finish Time: 1120
Total Volume Purged: 13.75
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1120
Analytical Suite Collected: VOC'S
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-133

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD DEC 09
Project No. 500-017-012

Well Condition: GOOD
Geologist: D. BARRETT + J. THOMAS
Date: 12-11-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 50.5
Depth to Water: 43.12
Depth to Product: ND
Casing Diameter: 2"
Water Column: 7.38
Casing Volume (Water Column x Gallons per foot): 1.18
Purge Volume (3 x Casing Volume): 3.54

Purge Information

Purge Start Time: 0915
Purge Method: LOW FLOW
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
925	7.0	7.36	802.6	15.08	0.17	-20	374.2
930	8.5	7.26	804.2	15.15	0.11	-41	108.0
935	10.0	7.25	811.3	15.51	0.11	-48	49.4
940	11.5	7.22	814.9	15.59	0.10	-51	24.2
945	13.0	7.21	819.3	15.80	0.10	-55	18.5
950	14.5	7.20	826.0	16.13	0.09	-58	13.8
955	16.0	7.20	824.2	16.03	0.09	-62	9.7
1000	17.5	7.20	817.2	15.71	0.08	-67	7.3
1005	19.0	7.20	818.4	15.72	0.07	-70	5.2
1010	20.0	7.20	822.3	15.90	.06	-71	5.4

Purge Finish Time: 1010
Total Volume Purged: 20
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1010
Analytical Suite Collected: VOC'S
QAQC Samples Collected: NONE

Notes: 19°F

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-142

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD DEC 09
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ D. BARRETT
Date: 12-14-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 52.9
Depth to Water: 46.93
Depth to Product: ND
Casing Diameter: 2"
Water Column: 5.97
Casing Volume (Water Column x Gallons per foot): .96
Purge Volume (3 x Casing Volume): 2.87

Purge Information

Purge Start Time: 1210
Purge Method: LOW FLOW
Flow Rate:

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1220	4.0	7.0	701.5	16.42	0.22	-114	17.4
1225	5.75	6.99	706.9	16.65	0.17	-118	6.7
1230	7.0	6.98	706.7	16.62	0.15	-121	3.4
1235	8.5	6.97	706.5	16.59	0.13	-123	2.7
1240	10.0	6.96	707.3	16.60	0.12	-125	2.6

Purge Finish Time: 1240
Total Volume Purged: 10.0
Final Depth to Water: 46.93

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1240
Analytical Suite Collected: VOC'S
QAQC Samples Collected: NONE

Notes: H.C. ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No: MW-139

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD DEC 09
Project No. 500-017-012

Well Condition: GOOD
Geologist: D. BARRETT
Date: 12-14-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 50
Depth to Water: 40.2
Depth to Product: ND
Casing Diameter: 2"
Water Column: 9.8
Casing Volume (Water Column x Gallons per foot): 1.57
Purge Volume (3 x Casing Volume): 4.70

Purge Information

Purge Start Time: 1050
Purge Method: LOW FLOW
Flow Rate: .46 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1100	10.0	7.02	839.2	15.76	0.38	-114	132.1
1105	12.0	6.98	833.4	15.58	0.15	-119	57.6
1110	13.0	6.95	833.6	15.60	0.12	-121	17.9
1115	14.5	6.94	831.6	15.53	0.11	-123	11.5
1120	16.0	6.94	833.0	15.65	0.10	-124	6.7
1125	17.0	6.96	821.0	15.04	0.10	-128	4.7
1130	18.0	6.96	821.3	15.08	0.10	-130	4.5
1135	19.0	6.96	820.2	15.05	0.11	-131	4.5

Purge Finish Time: 1135
Total Volume Purged: 19.0
Final Depth to Water: 40.2

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1135
Analytical Suite Collected: VOC'S
QAQC Samples Collected: NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-138

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD DEC 09
Project No. 500.317-012

Well Condition: GOOD
~~Geologist:~~ D. BARRETT
Date: 12-14-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 49.95
Depth to Water: 40.3
Depth to Product: ND
Casing Diameter: 2"
Water Column: 9.85
Casing Volume (Water Column x Gallons per foot): 1.54
Purge Volume (3 x Casing Volume): 4.63

Purge Information

Purge Start Time: ~~950~~ 950
Purge Method: Low Flow
Flow Rate: .46 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1000	9.0	7.13	774.7	15.30	0.21	-33	120.2
1005	10.5	7.0	784.6	15.75	0.17	-46	16.7
1010	12.0	6.95	786.0	15.79	0.16	-55	5.6
1015	13.5	6.92	788.1	15.86	0.14	-60	2.3
1020	14.5	6.92	788.8	15.89	0.13	-62	2.1
1025	16.0	6.91	789.5	15.91	0.12	-66	1.7

Purge Finish Time: 1025
Total Volume Purged: 16.0
Final Depth to Water: 40.3

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1025
Analytical Suite Collected: VOC's
QAQC Samples Collected: NONE

Notes:

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211770

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: MONTHLY SOUTHWEST QUAD DEC 09 PWSID #: HURCW17000 M20
Project Manager: DOUG LAM P.O.#:
Sampler: DALE BARRETT Quote #:
Name of state where samples were collected: OHIO

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4): Soil | Water (☐ Potable ☐ NPDES Check if Applicable) | Other | Total # of Containers | (5) Analyses Requested / Preservation Codes: VOCs | | | | | | | | | Remarks | (6) Temperature of samples upon receipt (if requested)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	VOCs	Remarks
MW-133, 121109	12-11-09	1010	X			X		3	X	SEE ATTACHED
MW-35, 121109	12-11-09	1120	X			X		3	X	ANALYTE LIST
MW-138, 121409	12-14-09	1025	X			X		3	X	
MW-139, 121409	12-14-09	1135	X			X		3	X	
MW-142, 121409	12-14-09	1240	X			X		3	X	
TRIP BLANK, 121409	12-14-09	1425	X			X		2	X	

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: ASAP
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353 1323 Fax #: 513 353 4664
E-mail address: MM.TOHELL@TRIHYDRO.COM

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Dale Barrett	12-14-09	1445			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-15

Client:	Chevron	Well Condition:	Good
Project:	Brookhill 402008	Geologist:	J.H.11
Project No.	500-017-012	Date:	12-8-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	50.29
Depth to Water:	12.05
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	38.24
Casing Volume (Water Column x Gallons per foot):	6.12
Purge Volume (3 x Casing Volume):	18.36

Purge Information

Purge Start Time:	1435
Purge Method:	Low flow
Flow Rate:	0.3

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1445	4.0	8.30	516.6	6.24	8.04	-14	27.9
1450	5.0	8.29	516.7	6.21	7.72	-13	28.4
1455	6.5	8.29	516.7	6.20	7.67	-13	300
1500	7.5	8.28	516.8	6.20	7.71	-14	29.7

Purge Finish Time:	1500
Total Volume Purged:	7.5
Final Depth to Water:	12.07

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	1500
Analytical Suite Collected:	Coc
QAQC Samples Collected:	None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-11

Client:	Chevron	Well Condition:	Good
Project:	Dorris Well 4Q 2009	Geologist:	J. Hall
Project No.	500-017-012	Date:	12-8-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	50.0
Depth to Water:	7.92
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	42.08
Casing Volume (Water Column x Gallons per foot):	6.73
Purge Volume (3 x Casing Volume):	20.2

Purge Information

Purge Start Time:	1345
Purge Method:	Low flow
Flow Rate:	0.19

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1355	1.5	8.10	539.6	7.15	8.69	-28	8.9
1400	2.5	8.13	552.3	8.14	8.26	-28	1.6
1405	3.5	8.14	551.8	8.15	4.26	-28	1.3
1410	4.5	8.14	552.7	8.20	4.26	-27	1.5
1415	5.7	8.14	552.3	8.21	4.27	-27	0.6

Purge Finish Time:	1415
Total Volume Purged:	5.7
Final Depth to Water:	7.91

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	1415
Analytical Suite Collected:	COC
QAQC Samples Collected:	None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-11D

Client: Chevron
Project: Bere Well 4Q2009
Project No. 500-0,7-012

Well Condition: Good
Geologist: JLL
Date: 12-8-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 50.20
Depth to Water: 7.50
Depth to Product: ND
Casing Diameter: 2"
Water Column: 42.7
Casing Volume (Water Column x Gallons per foot): 6.83
Purge Volume (3 x Casing Volume): 20.5

Purge Information

Purge Start Time: 1300
Purge Method: Low flow
Flow Rate: 0.24

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1310	3.0	7.93	571.4	10.40	3.46	-75	4.2
1315	4.0	7.91	572.6	10.48	2.95	-83	1.0
1320	5.0	7.90	578.6	10.47	2.72	-83	0.8
1325	6.0	7.90	577.7	10.50	2.78	-83	0.6

Purge Finish Time: 1325
Total Volume Purged: 6.0
Final Depth to Water: 7.49

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1325
Analytical Suite Collected: COC
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-136D

Client: Chevron
Project: Border W-11 4Q2009
Project No. 500-017-012

Well Condition: Good
Geologist: J.H.
Date: 12-08-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: ~~15~~ 53.15
Depth to Water: 14.02
Depth to Product: NO
Casing Diameter: 2"
Water Column: 39.13
Casing Volume (Water Column x Gallons per foot): 6.26
Purge Volume (3 x Casing Volume): 18.8

Purge Information

Purge Start Time: 1630
Purge Method: Low Flow
Flow Rate: 0.15

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1640	2.0	7.85	624.9	13.67	3.27	-20	1.7
1645	3.5	7.85	622.9	13.65	3.47	-21	1.8
1700	4.5	7.85	682.7	16.67	3.33	-22	0.9

Purge Finish Time: 1700
Total Volume Purged: 4.5
Final Depth to Water: 14.02

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1700
Analytical Suite Collected: CAM/MW
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-135S

Client: Chevron
Project: Berrinwell 4Q2009
Project No. 500-017-12

Well Condition: Good
Geologist: T.H.H
Date: 12-08-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 16.05
Depth to Water: 10.66
Depth to Product: ND
Casing Diameter: 2"
Water Column: 5.39
Casing Volume (Water Column x Gallons per foot): 0.86
Purge Volume (3 x Casing Volume): 2.6

Purge Information

Purge Start Time: 12:07
Purge Method: Low flow
Flow Rate: 0.21

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1215	2.0	7.67	566.1	15.32	0.52	-126	111.5
1220	3.0	7.67	573.8	15.70	0.34	-124	50.8
1225	4.0	7.66	578.7	15.85	0.30	-122	20.1
1230	5.0	7.65	583.7	16.15	0.29	-120	11.3
1235	6.0	7.65	581.0	15.85	0.29	-120	7.0
1240	7.0	7.65	583.1	15.91	0.28	-121	5.2

Purge Finish Time: 1240
Total Volume Purged: 7.0L
Final Depth to Water: 10.68

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1240
Analytical Suite Collected: COC
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-135D

Client: Chevron
Project: Barrier Wall Dec 2009
Project No. 500-017-012

Well Condition: Good
Geologist: J.H.
Date: 12-5-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 52.45
Depth to Water: 10.36
Depth to Product: ND
Casing Diameter: 2"
Water Column: 42.09
Casing Volume (Water Column x Gallons per foot): 6.73
Purge Volume (3 x Casing Volume): 20.20

Purge Information

Purge Start Time: 0957
Purge Method: Low flow
Flow Rate: 200 ml/min

Time	Volume Removed L	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1002	2.0	7.88	596.7	13.58	0.55	95	165.1
1007	3.0	7.73	577.2	12.58	0.42	68	92.3
1012	3.5	7.92	568.9	12.08	0.50	38	47.6
1017	4.5	7.92	564.4	11.89	0.61	~~14.4~~ 17	24.0
1022	5.5	7.95	603.9	16.34	0.44	-27	13.3
1027	6.7	7.87	633.9	16.67	0.33	-44	5.0
1032	7.5	7.86	633.5	16.69	0.31	-52	3.7
1037	8.5	7.86	634.4	16.71	0.31	-54	1.6

Purge Finish Time: 1037
Total Volume Purged: 8.5L
Final Depth to Water: 10.37

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1037
Analytical Suite Collected: COC
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-135I

Client: Chevron
Project: Barrow Well 402009
Project No. 500-017012

Well Condition: Good
Geologist: JH.
Date: 12-08-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: ~~40.5'~~ 38.50
Depth to Water: 10.58
Depth to Product: NP
Casing Diameter: 2"
Water Column: 27.92
Casing Volume (Water Column x Gallons per foot): 4.47
Purge Volume (3 x Casing Volume): 13.4

Purge Information

Purge Start Time: 11:05
Purge Method: Low Flow
Flow Rate: 0.23

Time	Volume Removed L	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
11:10	3.0	7.89	605.7	16.61	4.64	-8	164.2
11:15	4.5	7.95	582.5	14.85	2.88	-11	57.7
11:20	5.5	7.88	577.0	14.42	0.57	-15	42.5
11:25	6.5	7.87	577.5	14.59	0.37	-25	28.7
11:40	8.5	7.86	580.7	14.86	0.30	-51	6.2
11:45	9.5	7.85	583.7	14.90	0.29	-54	4.7
11:50	10.5	7.86	582.7	14.98	0.28	-55	5.0

Purge Finish Time: 11:50
Total Volume Purged: 10.5L
Final Depth to Water: 10.58

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 11:50
Analytical Suite Collected: COC
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-10

Client:	Chevron	Well Condition:	Good
Project:	Barrier Wall 4Q 2009	Geologist:	J.Hill
Project No.	5626-017-012	Date:	12-15-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	49.86
Depth to Water:	6.88
Depth to Product:	ND
Casing Diameter:	8"
Water Column:	42.92
Casing Volume (Water Column x Gallons per foot):	6.87
Purge Volume (3 x Casing Volume):	20.6

Purge Information

Purge Start Time:	1500
Purge Method:	Low Flow
Flow Rate:	0.2

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1515	3.0	7.47	536.8	7.89	0.34	-131	50.5
1520	4.0	7.51	534.9	7.68	0.30	-135	26.4
1525	5.0	7.53	533.3	7.69	0.29	-137	17.1
1530	5.9	7.57	535.7	7.84	0.28	-140	13.8
1535	7.0	7.58	533.7	7.68	0.27	-141	9.7
1540	8.1	7.59	534.9	7.71	0.26	-142	9.2
1545	9.0	7.60	534.7	7.79	0.25	-143	9.4

Purge Finish Time:	1545
Total Volume Purged:	9.0
Final Depth to Water:	6.87

Sampling Information

Wellhead Gas Measurements:	None
Sample Collection Time:	1545
Analytical Suite Collected:	COC / MNA
QAQC Samples Collected:	None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-136S

Client: Chevron
Project: Barrier Wall 4Q 2009
Project No. 500-017-012

Well Condition: Good
Geologist: J. Hull / D. Barrett
Date: 12-15-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 15.55
Depth to Water: 12.16
Depth to Product: ND
Casing Diameter: 8"
Water Column: 3.39
Casing Volume (Water Column x Gallons per foot): 0.54
Purge Volume (3 x Casing Volume): 1.63

Purge Information

Purge Start Time: 1320
Purge Method: Low Flow
Flow Rate: 0.27

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1330	3.0	7.10	1010	15.04	0.13	-142	281.0
1335	4.0	7.06	1004	14.91	0.10	-143	188.4
1340	5.0	7.03	1002	15.06	0.10	-146	107.9
1345	6.0	6.97	1026	16.30	0.08	-147	29.2
1350	8.25	6.96	1026	16.56	0.07	-151	11.9
1355	10.0	6.96	1002	15.64	0.07	-152	7.6
1400	11.0	6.96	1007	15.82	0.06	-153	7.3
1405	12.0	6.96	1005	15.78	0.05	-154	5.9

Purge Finish Time: 1405
Total Volume Purged: 12.0
Final Depth to Water: 12.16

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1405
Analytical Suite Collected: MNA/GOC
QAQC Samples Collected: (GOC) BD-1, 121509

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-136I

Client: Chevron
Project: Barrichello 442009
Project No. 50W017-012

Well Condition: Good
Geologist: S. Hall D. Barrett
Date: 12-15-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 35.90
Depth to Water: 12.56
Depth to Product: NO
Casing Diameter: 2"
Water Column: 23.34
Casing Volume (Water Column x Gallons per foot): 3.73
Purge Volume (3 x Casing Volume): 11.2

Purge Information

Purge Start Time: 10:25
Purge Method: Low Flow
Flow Rate: 0.16

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
10:35	2.0	7.63	592.7	11.15	0.16	-58	1447.8
10:45	4.0	7.59	613.8	12.25	0.15	-84	607.9
10:50	5.0	7.59	608.4	11.86	0.14	-88	239.7
10:55	6.0	7.58	613.2	12.12	0.14	-91	95.8
11:00	6.5	7.58	617.7	12.27	0.10	-93	48.9
11:05	7.25	7.58	611.1	11.97	0.10	-96	28.5
11:10	8.0	7.58	615.0	12.18	0.10	-99	17.3
11:15	9.0	7.58	609.5	11.80	0.09	-102	29.8
11:20	9.8	7.58	607.8	11.61	0.09	-104	26.7
11:25	10.25	7.58	612.5	12.01	0.09	-106	26.7
11:30	11.0	7.58	612.7	12.05	0.09	-107	27.1

Purge Finish Time: 11:30
Total Volume Purged: 11.0
Final Depth to Water: 12.57

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 11:30
Analytical Suite Collected: COC/MA
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-2S

Client: Clayton
Project: Barrier Hill 4a 2009
Project No. 506-012-012

Well Condition: Good
Geologist: S. Hill
Date: 12-16-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 53.0
Depth to Water: 10.69
Depth to Product: ND
Casing Diameter: ~~0.5~~ 2"
Water Column: 42.31
Casing Volume (Water Column x Gallons per foot): 6.77
Purge Volume (3 x Casing Volume): 20.31

Purge Information

Purge Start Time: 1535
Purge Method: Low flow
Flow Rate: 0.21

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1545	2.0	7.84	399.1	4.84	1.43	-48	0.3
1550	3.0	7.85	398.7	4.83	1.39	-48	0.3
1555	4.25	7.85	399.2	4.81	1.38	-47	0.2

Purge Finish Time: 1555
Total Volume Purged: 4.25
Final Depth to Water: 10.69

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1555
Analytical Suite Collected: COC MNA
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-21

Client: Chevron
Project: Barrow Hill 4Q2009
Project No. 506-017-012

Well Condition: Good
Geologist: J. Hill
Date: 12-16-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 49.00
Depth to Water: 6.55
Depth to Product: NO
Casing Diameter: 2"
Water Column: 42.45
Casing Volume (Water Column x Gallons per foot): 6.8
Purge Volume (3 x Casing Volume): 20.38

Purge Information

Purge Start Time: 1430
Purge Method: Low Flow
Flow Rate: 0.27

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1440	3.0	7.90	409.4	6.66	0.69	-60	11.7
1445	4.25	7.89	409.9	6.63	0.61	-67	2.7
1450	5.6	7.90	409.0	6.51	0.53	-74	1.8
1455	6.75	7.89	409.6	6.56	0.52	-76	0.6

Purge Finish Time: 1465
Total Volume Purged: 6.75
Final Depth to Water: 6.55

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1455
Analytical Suite Collected: COC/MNA
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW 3I

Client:	CHEVRON	Well Condition:	GOOD
Project:	BARRIER WALL 4TH QTR 2009	Geologist:	J. HALL + D BARRETT
Project No.	500-017-012	Date:	12-17-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	47.15
Depth to Water:	7.53
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	41.62
Casing Volume (Water Column x Gallons per foot):	6.66
Purge Volume (3 x Casing Volume):	19.98

Purge Information

Purge Start Time:	1050
Purge Method:	Low Flow
Flow Rate:	0.25

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1100	4.0	7.66	465.2	8.56	0.15	-99	1.5
1105	5.0	7.64	466.4	8.55	0.13	-111	1.4
1110	6.0	7.64	468.4	8.76	0.12	-117	3.8
1115	7.0	7.64	468.3	8.77	0.12	-119	1.5

Purge Finish Time:	1115
Total Volume Purged:	7.0
Final Depth to Water:	7.53

Sampling Information

Wellhead Gas Measurements:	NONE
Sample Collection Time:	1115
Analytical Suite Collected:	COC MNA
QAQC Samples Collected:	NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-3D

Client:	CHEVRON	Well Condition:	Good
Project:	BARRIER WALL 4TH QTR	Geologist:	[illegible]
Project No.	500-017-012	Date:	12-17-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	46.5
Depth to Water:	7.25
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	39.25
Casing Volume (Water Column x Gallons per foot):	6.28
Purge Volume (3 x Casing Volume):	18.84

Purge Information

Purge Start Time:	1005
Purge Method:	Low Flow
Flow Rate:	0.26

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1015	3.5	7.64	528.8	11.43	0.45	-42	4.2
1020	4.5	7.63	511.4	10.33	0.21	-79	1.8
1025	5.5	7.60	518.6	11.16	0.17	-92	0.6
1030	6.5	7.58	521.6	11.17	0.15	-97	0.4

Purge Finish Time:	1030
Total Volume Purged:	6.5
Final Depth to Water:	7.25

Sampling Information

Wellhead Gas Measurements:	NONE
Sample Collection Time:	1030
Analytical Suite Collected:	COC, MNA
QAQC Samples Collected:	NONE

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BMW-3C

Client: Chevron
Project: Barrio Well 4a Aug 9
Project No. 500-017-012

Well Condition: Good
Geologist: J. Hill D. Barrett
Date: 12-17-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 52.55
Depth to Water: 11.22
Depth to Product: ND
Casing Diameter: 8"
Water Column: 41.33
Casing Volume (Water Column x Gallons per foot): 6.6
Purge Volume (3 x Casing Volume): 19.84

Purge Information

Purge Start Time: 1335
Purge Method: Low flow
Flow Rate: 0.26

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1345	1.5	7.89	424.3	7.64	0.20	-114	273
1350	2.5	7.85	423.8	7.57	0.16	-119	221.9
1355	4.0	7.82	428.6	8.40	0.11	-124	127.1
1400	6.0	7.80	426.0	8.29	0.08	-130	75.6
1405	8.0	7.77	424.2	8.10	0.07	-135	61.3
1410	9.0	7.75	423.9	7.92	0.07	-137	43.6
1415	10.5	7.74	423.7	7.88	0.07	-140	44.9
1420	11.75	7.72	425.9	7.92	0.05	-141	41.1
1425	13.0	7.71	426.6	7.95	0.04	-143	42.0
1430	14.25	7.70	427.5	8.0	0.04	-144	40.0

Purge Finish Time: 1430
Total Volume Purged: 14.25
Final Depth to Water: 11.22

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1430
Analytical Suite Collected: COC, MNA
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW 137 S

Client: Chevron
Project: Burrow Well 4Q 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: J. HALL + D. BARRETT
Date: 12-17-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 16.0
Depth to Water: 13.10
Depth to Product: NO
Casing Diameter: 4"
Water Column: 2.9
Casing Volume (Water Column x Gallons per foot): 0.46
Purge Volume (3 x Casing Volume): 1.4

Purge Information

Purge Start Time: 1450
Purge Method: Low Flow
Flow Rate: 0.23

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1500	2.0	7.14	716.4	14.72	0.17	-89	104.4
1505	3.5	7.15	717.3	14.91	0.19	-98	24.1
1510	5.0	7.15	682.5	14.95	0.22	-102	7.4
1515	6.0	7.15	651.7	14.98	0.24	-104	3.6
1520	7.0	7.15	650.7	15.03	0.25	-106	1.8
1525	8.0	7.15	650.1	15.03	0.26	-106	2.0

Purge Finish Time: 1525
Total Volume Purged: 8.0
Final Depth to Water: 13.10

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1525
Analytical Suite Collected: CoC NA
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSU-3D

Client: CHEVRON
Project: BARRIER WALL 4TH QTR 2009
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ J. HALL + D. BARRETT
Date: 12-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: ?UNK
Depth to Water: 17.40
Depth to Product: NO
Casing Diameter: 2"
Water Column: UNK
Casing Volume (Water Column x Gallons per foot): UNK
Purge Volume (3 x Casing Volume): UNK

Purge Information

Purge Start Time: 1300
Purge Method: Low flow
Flow Rate: 0.2

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1310	10	7.34	410.4	4.64	0.25	-76	16.0
1315	11.5	7.41	410.5	4.64	0.18	-79	9.9
1320	12.5	7.43	410.5	4.63	0.16	-78	8.8
1325	13.5	7.44	412.0	4.73	0.13	-77	8.2
1330	14.5	7.46	411.7	4.70	0.12	-75	7.9
1335	15.5	7.46	411.7	4.70	0.12	-75	7.7

Purge Finish Time: 1335
Total Volume Purged: 15.5
Final Depth to Water: 17.40

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1335
Analytical Suite Collected: COC, MNA
QAQC Samples Collected: NONE

Notes: PUMP SET 3½' FROM BTM, PACKER PRESSURE @ 60 PSIG

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSW35

Client: Chevron
Project: Barrow Well 4Q2009
Project No. 500-017012

Well Condition: GOOD
Geologist: J. HALL & D BARRETT
Date: 12-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: UNK
Depth to Water: 17.40
Depth to Product: NP
Casing Diameter: 2"
Water Column: UNK
Casing Volume (Water Column x Gallons per foot): UNK
Purge Volume (3 x Casing Volume): UNK

Purge Information

Purge Start Time: 1430
Purge Method: Low Flow
Flow Rate: 0.38

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1440	9.0	8.05	499.4	4.94	9.14	18	36.2
1445	10.0	8.03	502.1	5.19	8.90	26	20.8
1450	11.0	8.03	502.6	5.19	8.77	34	16.2
1455	12.0	8.03	503.4	5.25	8.74	41	16.1
1500	13.0	8.04	501.2	5.11	8.70	47	14.8
1505	14.0	8.03	506.8	5.50	8.47	56	13.7
1510	15.0	8.03	505.3	5.40	8.64	58	13.8

Purge Finish Time: 1510
Total Volume Purged: 15.0
Final Depth to Water: 17.42

Sampling Information

Wellhead Gas Measurements: N.A.
Sample Collection Time: 1510
Analytical Suite Collected: COC
QAQC Samples Collected: FB (FB1,12,2009) @ 1445

Notes: PUMP SET @ 20' BELOW MPE PACKER PRESSURE @ 60 PSIG

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-137I

Client: Chevron
Project: Barrow Well 40 2009
Project No. 500-017-012

Well Condition: Good
Geologist: JHH
Date: 12-21-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 38.50
Depth to Water: 12.36
Depth to Product: NO
Casing Diameter: 8"
Water Column: 25.7
Casing Volume (Water Column x Gallons per foot): 4.03
Purge Volume (3 x Casing Volume): 12.1

Purge Information

Purge Start Time: 1305
Purge Method: Low Flow
Flow Rate: 0.21

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1315	2.5	7.74	566.5	13.11	5.72	-55	155.7
1325	4.5	7.73	560.2	13.41	0.59	-83	40.6
1335	6.5	7.72	556.9	13.27	0.49	-86	14.4
1345	8.5	7.71	564.5	13.57	0.45	-86	3.6
1350	9.5	7.70	561.0	13.73	0.44	-86	1.9
1355	10.5	7.71	556.1	13.61	0.43	-87	1.5
1400	11.5	7.70	556.8	13.63	0.42	-88	0.9

Purge Finish Time: 1400
Total Volume Purged: 11.5
Final Depth to Water: 13.31

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1400
Analytical Suite Collected: COC / MNA
QAQC Samples Collected: None

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-137D

Client: Chevron
Project: Barrick 4Q 2009
Project No. 500-017-012

Well Condition: Good
Geologist: S.H.H
Date: 12-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 52.60
Depth to Water: 12.99
Depth to Product: ND
Casing Diameter: 2"
Water Column: 39.61
Casing Volume (Water Column x Gallons per foot): 6.34
Purge Volume (3 x Casing Volume): 19.02

Purge Information

Purge Start Time: 0935
Purge Method: Low Flow
Flow Rate: 0.11

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
0945	2.0	7.74	559.0	11.51	0.65	31	57.9
0950	3.0	7.71	559.3	11.75	0.64	34	23.5
0955	4.25	7.66	558.7	11.89	0.63	39	9.8
1000	5.25	7.66	560.1	11.70	0.62	41	8.4
1005	6.25	7.66	559.5	11.71	0.61	42	7.1

Purge Finish Time: 1005
Total Volume Purged: 6.25
Final Depth to Water: 12.99

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1005
Analytical Suite Collected: COC/MNA
QAQC Samples Collected: MW-137D MS/MSD, 122209

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSU-10

Client: Chevron
Project: Barrier Wall 4Q2009
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ T. HALL / ARLETT
Date: 12-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: UNK
Depth to Water: 13.28
Depth to Product: ND
Casing Diameter: 8"
Water Column: UNK
Casing Volume (Water Column x Gallons per foot): UNK
Purge Volume (3 x Casing Volume): UNK

Purge Information

Purge Start Time: 1320
Purge Method: Low Flow
Flow Rate: 0.38

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1330	10.5	7.60	519.9	6.36	0.59	400	292.0
1335	11.5	7.62	504.4	5.30	0.31	377	153.7
1340	12.5	7.59	514.2	6.07	0.85	316	27.4
1345	13.5	7.60	514.3	6.01	0.90	305	13.8
1350	14.5	7.60	515.0	6.04	1.08	312	10.5
1355	15.5	7.60	514.6	5.99	1.20	309	12.3
1400	16.5	7.60	514.5	5.98	1.48	308	12.6
1405	17.5	7.60	517.0	6.00	1.49	306	12.0

Purge Finish Time: 1405
Total Volume Purged: 17.5
Final Depth to Water: 13.28

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1405
Analytical Suite Collected: COC, MNA
QAQC Samples Collected: None

Notes: PUMP SETTING 3' FROM BTM PACKER 60 BIO

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSW-15

Client: CHEVRON
Project: BARRIER WALL 4 QTR 2009
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ T. HALL + D. BARRETT
Date: 12-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: UNK
Depth to Water: 13.28
Depth to Product: ND
Casing Diameter: 2"
Water Column: UNK
Casing Volume (Water Column x Gallons per foot): UNK
Purge Volume (3 x Casing Volume): UNK

Purge Information

Purge Start Time: 1430
Purge Method: Low Flow
Flow Rate: 0.26

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1440	4.0	7.59	570.6	9.62	1.76	406	7.4
1445	5.0	7.59	580.4	10.22	1.62	378	7.0
1450	5.5	7.59	587.1	10.65	1.56	363	7.0
1455	6.5	7.59	589.1	10.70	1.52	358	6.8

Purge Finish Time: 1455
Total Volume Purged: 6.5
Final Depth to Water: 13.28

Sampling Information

Wellhead Gas Measurements: N.A
Sample Collection Time: 1455
Analytical Suite Collected: COC
QAQC Samples Collected: BD-3, 122209

Notes:

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSW-2D

Client: CHEVRON
Project: BARRIER WALL 4 QTR 2009
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ J HALL & D. BARRETT
Date: 12-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: UNK
Depth to Water: 16.96
Depth to Product: ND
Casing Diameter: 2"
Water Column: UNK
Casing Volume (Water Column x Gallons per foot): UNK
Purge Volume (3 x Casing Volume): UNK

Purge Information

Purge Start Time: 0920
Purge Method: LOW FLOW
Flow Rate: .39 L/MIN

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
930	7.0	7.54	377.2	3.74	0.42	85	84.8
935	8.5	7.57	398.7	5.79	0.37	47	49.1
940	9.75	7.62	388.8	5.29	0.20	52	15.8
945	12.0	7.64	387.7	5.28	0.14	47	9.5
950	13.5	7.66	385.7	5.16	0.11	44	8.9
955	15.0	7.66	386.6	5.25	0.10	38	6.2
1000	16.5	7.67	385.9	5.22	0.08	34	5.2
1005	18.0	7.68	384.8	5.15	0.06	28	4.1
1010	19.5	7.68	385.0	5.18	0.05	26	4.0

Purge Finish Time: 1010
Total Volume Purged: 19.5
Final Depth to Water: 16.96

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1010
Analytical Suite Collected: COC, MNA
QAQC Samples Collected: NONE

Notes: PUMP SETTING 3 FEET FROM BTM PACKER PSIG 60

Trihydro CORPORATION

Groundwater Sampling Form

Well No. BSW-25

Client: CHEVRON
Project: BARRIER WALL 4TH QTR 2009
Project No. 500-017-012

Well Condition: GOOD
~~Geologist:~~ J. HALL + D. BARRETT
Date: 12-22-09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: UNK
Depth to Water: 16.96
Depth to Product: ND
Casing Diameter: 2"
Water Column: UNK
Casing Volume (Water Column x Gallons per foot): UNK
Purge Volume (3 x Casing Volume): UNK

Purge Information

Purge Start Time: 1045
Purge Method: LOW FLOW
Flow Rate: 0.30

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
1055	7.5	7.69	447	3.87	2.89	304	135.1
1100	8.5	7.71	453.7	4.08	2.71	305	113.1
1105	9.5	7.72	452.9	4.17	2.66	307	83
1110	10.5	7.72	452.1	4.21	2.59	307	57.4
1115	11.5	7.72	450.7	4.24	2.54	334	44.6
1120	12.5	7.72	449.7	4.24	2.50	318	36.8
1125	13.5	7.73	448.8	4.21	2.47	312	32.8
1130	14.5	7.73	447.9	4.21	2.45	310	30.7

Purge Finish Time: 1130
Total Volume Purged: 14.5
Final Depth to Water: 16.96

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1130
Analytical Suite Collected: COC
QAQC Samples Collected: BD-2, 122209

Notes:

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 216251

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chevron
Acct. #: 11494
Project Name/#: Barrier Well Monitoring Network SQ2009
PWSID #: NJRCW200030
Project Manager: Doug Lam
P.O.#:
Sampler: Joe Hall / Dale Brown
Quote #:
Name of state where samples were collected: OHIO

For Lab Use Only
FSC:
SCR#:

(5) **Analyses Requested** — **Preservation Codes**

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix (4): Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	VOCs 8260 (H)	Dissolved Mg,Pb (N)	MNA (HNO3)	Dissolved Manganese (N)						Remarks	(6) Temperature of samples upon receipt (if requested)
MW-137D, 122209	12-22-09	1005	X			X		19	X	X	X	X						See Attached Analyte List *	
BSW-1D, 122209	12-22-09	1405	X			X		19	X	X	X	X							
BSW-2D 122209	12-22-09	1010	X			X		19	X	X	X	X						Dissolved Metals Refer to Effluent *	
MW-137D MS/MSD 122209	12-22-09	1005	X			X		8	X	X									
BSW-2S MS/MSD 122209	12-22-09	1130	X			X		8	X	X								DC Summary Data Package	
BSW-1S, 122209	12-22-09	1455	X			X		4	X	X									
BD-3, 122209	12-22-09	—	X			X		4	X	X									
BSW-2S, 122209	12-22-09	1130	X			X		4	X	X									
BD-2, 122209	12-22-09	—	X			X		4	X	X									
Field Blank 122209	12-22-09	1550	X			X		2	X										

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1323 Fax #: 513-353-4164
E-mail address: [illegible]

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/23/09	1400			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 225011

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chevron Acct. #: 11494
Project Name/#: Barnwell Monitoring Network 4Q-2009 PWSID #: [illegible]
Project Manager: Douglas P.O.#:
Sampler: John Hall / [illegible] Quote #:
Name of state where samples were collected: OHIO

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	VOCs 8260 X	Dissolved As/Pb	MNA X	Manganese Dissolved							Remarks
MW-136I, 121509	12-15-09	11:30	X			X		19	X	X	X	X							See Attached Analyte List X
BMW-1D, 121509	12-15-09	1545	X			X		19	X	X	X	X							
MW-136C, 121509	12-15-09	1405	X			X		19	X	X	X	X							Dissolved Metals Are Field Filtered
BD-1, 121509	12-15-09	—	X			X		41	X	X									
Trip Blank, 121509	12-15-09	1610	X			X		2	X										QC Summary Data Package

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6) Temperature of samples upon receipt (if requested)

For Lab Use Only
FSC: _____
SCR#: _____

(7)
Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1323 Fax #: 513-353-4664
E-mail address: [illegible]@Tetra[illegible].com

(8)
Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/15/09	1630			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 225015

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chevron Acct. #: 11494
Project Name/#: Bowlds Monitoring Network PWSID #: 1RRCW1R00020
Project Manager: Doug Lam P.O.#: _____
Sampler: Tom Hall Quote #: _____
Name of state where samples were collected: OHIO

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	H: VOCs 8260	N: Dissolved As, Pb, Mn	H2SO: MMVA							Remarks	Temperature of samples upon receipt (if requested)
BMW-3I, 121709	12-17-09	1115	X			X		19	X	X	X							See Attached Analytical List	
BMW-3D, 121709	12-17-09	1030	X			X		19	X	X	X								
MW-13TS, 121709	12-17-09	1525	X			X		19	X	X	X							Dissolved Metals Method (F. Hexa)	
BMW-3S, 121709	12-17-09	1430	X			X		19	X	X	X								
Trip Blank, 121709	121709	1630	X			X		2	X									Summary Data Package	

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-352-1323 Fax #: 513-352-4664
E-mail address: MarkHellert@trihydro.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/17/09	1600			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 225012

Please print. Instructions on reverse side correspond with circled numbers.

(1)

Client: Chevron Acct. #: 11494

Project Name/#: Barricade/Monitoring Network 442009 PWSID #: WKCM1200020

Project Manager: Douglas P.O.#:

Sampler: John Hill Quote #:

Name of state where samples were collected: OHIO

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	VOC's 8260 ★	D Solved As, Pb, MN ★	MNA							Remarks
BMW-25, 121609	12-16-09	1555	X			X		19	X	X	X							See Attached Analytical List ★
BMW-25, 121609	12-16-09	1455	X			X		19	X	X	X							
Trip Blank, 121609	12-16-09	1650	X			X		2	X									Dissolved Metals Field Filtered ★
																		★ Summary Data Package

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6) Temperature of samples upon receipt (if requested)

For Lab Use Only
FSC: _____
SCR#: _____

(7)

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353 1323 Fax #: 513 353 4614
E-mail address: mmitchell@etsi-inc.com

(8)

Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12-16-09	1800			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211754

Please print. Instructions on reverse side correspond with circled numbers.

(1)

Client: Clevite Acct. #: 11494

Project Name/#: Former Metal Maiden Site PWSID #: NA

Project Manager: Doug Lim P.O.#: _____

Sampler: [illegible] Quote #: _____

Name of state where samples were collected: OHIO

For Lab Use Only
FSC: _____
SCR#: _____

(5) Analyses Requested — Preservation Codes

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	H: Unpreserved	N: Dissolved Metals	S: MVA						Remarks	(6) Temperature of samples upon receipt (if requested)
Peder 122109	12-21-09	1035	X			X		4	X	X							Scattered Metal Debris	
Pump #1 122109	12-21-09	1045	X			X		4	X	X								
Pump #3 122109	12-21-09	1100	X			X		4	X	X							Dissolved Metals Sheet Field Filtered	
FB-1 122109	12-21-09	1445	X			X		3	X									
Trip Blank 122109	12-21-09	1400	X			X		2	X								Qc Summary Data Package	
BSU-30 122109	12-21-09	1335	X			X		9	X	X	X							
BSU-35 122109	12-21-09	1510	X			X		4	X	X								
MW-1531 122109	12-21-09	1400	X			X		9	X	X	X							

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1023 Fax #: 513-353-0164
E-mail address: [illegible]@[illegible].com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12-21-09	1400			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 211753

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: CHEVRON Acct. #: 11494
Project Name/#: Barrier Analysis Network PWSID #: [illegible]
Project Manager: [illegible] P.O.#: _____
Sampler: [illegible] Quote #: _____
Name of state where samples were collected: [illegible]

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4): Soil | Water (☐ Potable ☐ NPDES Check if Applicable) | Other | Total # of Containers | (5) Analyses Requested / Preservation Codes: VOC's 8260 | Dissolved Metals | MTBE | Manganese | | | | | | (6) Remarks | Temperature of samples upon receipt (if requested)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	VOC's 8260	Dissolved Metals	MTBE	Manganese						Remarks
MW-13SD 120809	12-08-09	1037	X			X		4	X	X								See Attached Analytical
MW-13SI 120809	12-08-09	11:50	X			X		4	X	X								
MW-13SS 120809	12-08-09	12:40	X			X		4	X	X								Dissolved Metals Analysis
BMW-1D 120809	12-08-09	1305	X			X		4	X	X								
BMW-1S 120809	12-08-09	1415	X			X		4	X	X								QC Summary Data Package
BMW-1S 120809	12-08-09	1500	X			X		4	X	X								
MW-13SD 120809	12-08-09	1700	X			X		10	X	X	X	X						
Trip Blank	12-08-09	1745	X			X		2	X									

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513 353-1323 Fax #: 513 353 4140
E-mail address: [illegible]

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/10/09	1000			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time