



Richard Grubbs, P.E.
Waste and Water Advisor

**Chevron North America Exploration
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November 17, 2017

Brad Jones, Environmental Engineer
EMNRD Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

OIL CONS. DIV DIST. 3
NOV 20 2017

RE: Hallwood Evaporation Pond
Request to Transfer Ownership

District Copy
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Has NOT been processed.

Dear Mr. Jones,

Chevron U.S.A. Inc. (Chevron) pursuant to NMAC 19.15.36.12 E. as owner of the Centralized Surface Waste Management Facility known as the Hallwood Evaporation Pond Permit NM -2-006, is notifying the State today to request transfer of ownership for this asset to Enduring Resources, LLC (Enduring). Enduring has purchased Chevron holdings in the San Juan Basin including the lease associated with the Hallwood Evaporation Pond. Chevron acknowledges that the Hallwood Evaporation Pond was closed in 2008, but not all post closure care activities required by the Closure Plan issued by the State have been completed. Chevron's sale agreement with Enduring includes an environmental clause for such situations, contractually placing the remainder of the closure activities into Enduring's scope. Enduring currently has a NMSLO Statewide Surface Megabond in place and can obtain an individual bond for the facility to meet the State's bonding requirements to complete the remaining closure activities if required.

Attached please find the updated closure report completed by Envirotech documenting the past and current closure activities for the site. In previous correspondence, Chevron had sent Cory Smith, District 3 field representative and yourself a copy of the Closure Report as closure documentation of the work that had been completed in 2008. After review of the status of the Closure Plan, the closure work as documented in Envirotech Closure Report, and in a site visit, gaps in closure progress were identified. One of the initial tasks identified was that surface sampling required by the Closure Plan on the boundary of the pond location had not been completed. Prior to any further closure activities, Chevron agreed to complete the perimeter sampling to better delineate the surface. This work was completed and results are discussed in the updated closure report.



In previous correspondence, you had indicated that the State had a specific form for ownership transfer that you would send once you received official request. Chevron therefore respectfully requests the State to provide the proper paper work necessary to allow transfer ownership of the Hallwood Evaporation Pond permit and the remaining closure activities to Enduring Resources, LLC.

If you have any questions concerning this compliance response, please feel free to contact me at (970)-257-6021 or email me at rtgrubbs@chevron.com.

Regards,

A handwritten signature in blue ink, appearing to read "R. Grubbs".

Richard Grubbs, P.E.

Senior Process Engineer

Water and Waste Advisor

Chevron North America Exploration and Production Company (a Chevron U.S. A. Inc. division)

Attachments (1)

CC Cory Smith (NMOCD Aztec Office) ✓
 Travis Whitham (Enduring Resources, LLC, Landman)



November 8, 2017

OIL CONS. DIV DIST. 3
NOV 20 2017

Project No. 92270-1646

Mr. Richard Grubbs
Chevron North America
760 Horizon Drive
Grand Junction, Colorado 81506

Phone: (970) 257-6021
Cell: (913) 748-9815

**RE: EVAPORATION POND CLOSURE REPORT FOR THE HALLWOOD EVAPORATION POND
LOCATED IN SECTION 25, TOWNSHIP 32N, RANGE 13W, SAN JUAN COUNTY, NEW
MEXICO**

Dear Mr. Grubbs,

Please find enclosed the *Evaporation Pond Closure Report* for the Hallwood Evaporation Pond. This report details the closure activities performed between May 6, 2008 and June 24, 2008. In addition, Envirotech performed an assessment of the current conditions of the pond to address items that were not documented during the original closure. The items that were addressed during the subsequent assessment are listed below:

Sampling from the following areas surrounding the pond

- Sump
- Northeast Treatment Area
- Southeast Treatment Area
- South Area
- North Treatment Area
- Northwest Treatment Area
- Background

We appreciate the opportunity to be of service. If you have any questions or need additional information, please contact our office at (505) 632-0615.

Sincerely,
ENVIROTECH, INC.

Greg Crabtree
Principal Engineer
gcrabtree@envirotech-inc.com

Enclosure: Evaporation Pond Closure Report
Cc: Client File 92270

EVAPORATION POND CLOSURE REPORT

LOCATED AT:

**HALLWOOD EVAPORATION POND
NW ¼ SE ¼, SECTION 25, TOWNSHIP 32, RANGE 13W
SAN JUAN COUNTY, NEW MEXICO
PERMIT NO. NM-02-0006**

FOR:

**MR. RICHARD GRUBBS
CHEVRON NORTH AMERICA
760 HORIZON DRIVE
SUITE 401
GRAND JUNCTION 81506**



PROJECT NO. 92270-1646

NOVEMBER 2017

**EVAPORATION POND CLOSURE REPORT
HALLWOOD EVAPORATION POND
SECTION 25, TOWNSHIP 32N, RANGE 13W
SAN JUAN COUNTY, NEW MEXICO**

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 Norm Testing Analytical Results
 Pond Sludge Analytical Results
 Pond Water and Leak Detection Analytical Results
 Pond Closure Sample Analytical Results
 Additional Site Investigation Analytical Results
 Appendix B, Bills of Lading
 Envirotech Landfarm BOL's, Chloride and Paint Filter Testing
 Basin Disposal
 Appendix C, Special Waste Shipment Records
 Appendix D, Site Photography

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by Chevron to perform evaporation pond closure activities at the Hallwood Evaporation Pond, located in Section 25, Township 32N, Range 13W, San Juan County, New Mexico; see **Figure 1, Vicinity Map**. Closure activities included sampling, analyses, removal and disposal of contaminated materials including blending sludge with a pugmill to reduce the liquid level for transport. Closure activities also included conducting a paint filter test prior to transport of contaminated material, site restoration, documentation, and reporting. These closure activities were performed from May 6, 2008 through June 24, 2008. In addition, a site investigation was completed on October 3, 2017 to investigate items that were not documented during the initial closure activities.

ACTIVITIES PERFORMED

Activities to close the Hallwood Evaporation Pond were conducted in accordance with the approved closure plan submitted by Envirotech on May 20, 2008. The closure plan was approved by the NMOCD on May 28, 2008.

In accordance with the approved closure plan the daily account of the onsite activities outline the onsite activities. All liquids, sludge, liner and piping were disposed of at approved surface waste management facilities.

May 6, 2008

Envirotech, Inc. arrived on site and performed a brief site assessment; see **Figure 2, Site Map**. Envirotech, Inc. collected two (2) liquid samples from the leak detection and from the evaporation pond. The samples were transported on ice under chain of custody to Envirotech's laboratory for Cations/Anions analyses using USEPA Method 600/4-79-020; See **Appendix A, Analytical Results**. Comparative analysis in the form of a rose plot was done to see if the water present in the leak detection was the same as the pond water.

May 7, 2008 – May 9, 2008

Starting on May 7, Envirotech utilized Rock Springs transport to haul liquids from the evaporation pond to Basin Disposal. Between these dates 1,170 bbls of water from the pond was delivered to the disposal facility; see **Appendix B – Bills of Lading - Basin Disposal**.

May 23, 2008

Envirotech, Inc. collected a sludge sample from the bottom of the evaporation pond. The sample was placed in a four (4) ounce glass jar, capped headspace free, and transported on ice under chain of custody to Envirotech's laboratory for pH analysis. The sample pH level was 10.4; see **Appendix A, Analytical Results – Pond Sludge**.

May 30, 2008

Envirotech, Inc. performed naturally occurring radioactive material (NORM) screening. Screening was conducted on PVC pipe, sand bags, angle iron, and rubber hosing. None of the screening results were above the allowable concentration of 0.08 mR/hr determined for this site; see **Appendix A, Analytical Results – Norm Testing**.

June 2, 2008

Envirotech, Inc. began cleanup activities, collected a soil sample from the bottom of the pond, and performed NORM screening. The soil sample was analyzed in the field for Total Petroleum Hydrocarbons (TPH) using USEPA Method 418.1 and for chlorides. The sample results were 268 ppm TPH and 91 ppm chlorides. Due to the sludge sample containing TPH the material could be accepted at Envirotech's Landfarm #2 as petroleum contaminated soil. NORM screening was conducted on a sludge stockpile located on site. The screening results were below the allowable concentration of 0.08 mR/hr determined for this site; see *Appendix A, Analytical Results – Norm Testing and Appendix A, Analytical Results – Pond Sludge*. Cleanup activities included the collection of contaminated material using hydro-excavation; see *Appendix D, Site Photography*. The sludge was then processed with the use of a pugmill to stabilize it for transport.

June 3, 2008

Envirotech, Inc. removed and transported approximately 56 cubic yards of contaminated soil and 110 barrels of sludge to Envirotech's NMOCD permitted remediation facility, Landfarm #2, near Hilltop, New Mexico; see *Appendix B, Bills of Lading – Envirotech BOL's*.

June 4, 2008

Envirotech, Inc. continued to collect the contaminated material using hydro-excavation. Envirotech, Inc. removed and transported approximately 90 cubic yards of contaminated soil and 355 barrels of sludge to Envirotech's NMOCD permitted remediation facility, Landfarm #2, near Hilltop, New Mexico; see *Appendix B, Bills of Lading – Envirotech BOL's*.

June 5, 2008

Envirotech, Inc. continued hydro-excavation activities. Envirotech, Inc. removed and transported approximately 126 cubic yards of contaminated soil and 500 barrels of sludge to Envirotech's NMOCD permitted remediation facility, Landfarm #2, near Hilltop, New Mexico; see *Appendix B, Bills of Lading – Envirotech BOL's*.

June 6, 2008

Envirotech, Inc. continued hydro-excavation activities. Envirotech, Inc. removed and transported approximately 68 cubic yards of contaminated soil and 400 barrels of sludge to Envirotech's NMOCD permitted remediation facility, Landfarm #2, near Hilltop, New Mexico; see *Appendix B, Bills of Lading – Envirotech BOL's*.

June 9, 2008

Envirotech, Inc. continued hydro-excavation activities. Envirotech, Inc. removed and transported approximately 140 cubic yards of contaminated soil and 630 barrels of sludge to Envirotech's NMOCD permitted remediation facility, Landfarm #2, near Hilltop, New Mexico; see *Appendix B, Bills of Lading – Envirotech BOL's*.

June 10, 2008

Envirotech, Inc. continued hydro-excavation activities. Envirotech, Inc. removed and transported 470 barrels of sludge to Envirotech's NMOCD permitted remediation facility, Landfarm #2, near Hilltop, New Mexico; see *Appendix B, Bills of Lading – Envirotech BOL's*. Additionally,

pipng and rubber hoses were removed and transported to San Juan County Landfill for disposal; see *Appendix C, Special Waste Shipment Records*.

June 11, 2008

Envirotech, Inc. continued hydro-excavation activities. Envirotech, Inc. removed and transported approximately 26 cubic yards of contaminated soil and 215 barrels of sludge to Envirotech's NMOCD permitted remediation facility, Landfarm #2, near Hilltop, New Mexico; see *Appendix B, Bills of Lading – Envirotech BOL's*. Additionally, liner material was removed and transported to San Juan County Landfill for disposal; see *Appendix C, Special Waste Shipment Records*.

June 12, 2008

Envirotech, Inc. performed NORM screening on the pond liner and sandbags. The screening results were below allowable concentrations of 0.08 mR/hr, see *Appendix A, Analytical Results – Norm Testing*. Envirotech, Inc. removed and transported liner material to San Juan County Landfill for disposal; see *Appendix C, Special Waste Shipment Records*.

June 13, 2008

Envirotech, Inc. continued the removal of liner material. Liner material was removed and transported to San Juan County Landfill for disposal; see *Appendix C, Special Waste Shipment Records*.

June 16, 2008

Envirotech, Inc. collected five (5) soil samples from beneath the second liner. One (1) sample was collected from each quadrant in the evaporation pond and one (1) sample was collected from the site for background. The samples were collected into four (4) ounce glass jars, capped headspace free, and transported on ice under chain of custody to Envirotech's laboratory for analysis for benzene and BTEX using USEPA Method 8021, for volatile organic compounds (VOCs) using USEPA Method 8260, for TPH using USEPA Method 418.1, for total metals using USEPA Method 6010; for pH, total dissolved solids (TDS), nitrate nitrogen, cyanide, fluoride, chloride, and for sulfate using USEPA Method 600/4-79-020. The samples were also analyzed for phenols using USEPA Method 8270, for PCBs using USEPA Method 8082, for polycyclic aromatic hydrocarbons (PAHs) using USEPA Method 8310, for radium using USEPA Methods 903 and 904, and for uranium using USEPA Method 200.8. The samples were within or below regulatory limits for all constituents analyzed; see *Table 1: Summary of Closure Sample Analytical Results and Appendix A, Analytical Results*. None of the samples collected exceeded the limits specified in the NMOCD Guidelines for the Remediation of Leaks Spills and Releases.

June 17, 2008

Envirotech, Inc. performed NORM screening on the remaining pond liner material. The screening results were below allowable concentration of 0.12 mR/hr; see *Appendix A, Analytical Results*. Due to analyst interpretation of instrument readings, the allowable concentration determined for the site on this day varies slightly from the allowable concentration of 0.08 mR/hr determined on previous dates; however, the readings are all near background and are approximately half of the allowable concentration.

June 18, 2008

Envirotech, Inc. transported the remaining pond liner material to San Juan County Landfill; see *Appendix C, Special Waste Shipment Records*, and transported 170 barrels of sludge to Envirotech's NMOCD permitted remediation facility, Landfarm #2, near Hilltop, New Mexico; see *Appendix B, Bills of Lading*.

June 19, 2008

Envirotech, Inc. began restoration activities by backfilling the excavation with approximately 539 cubic yards of virgin fill material of which 236 cubic yards were transported from Envirotech's Landfarm; see *Appendix B, Bills of Lading*, and 283 cubic yards were transported from Envirotech's Equipment Yard. Backfilling and leveling activities continued through June 24, 2008.

October 3, 2017 (Additional Site Investigation)

On October 3, 2017 Envirotech conducted an additional site investigation based on the approved sampling plan submitted to the NMOCD. Cory Smith (NMOCD representative) was onsite to witness the sampling. Based on the approved plan, Envirotech took samples from the following locations:

- Sump Area
- Northeast Treatment Area
- Southeast Treatment Area
- North Treatment Area
- Northwest Treatment Area
- Background
- South Area A
- South Area B (location added at the request of Cory Smith)
-

Five-point composite samples were collected from 0-6" below ground surface in accordance with the approved sampling plan from all areas except the Sump Area sample. The Sample locations are shown on *Figure 3: Additional Site Investigation Sample Map*. The Sump Area Sample was collected from a North-South oriented trench that was dug using a backhoe to the depth of 10 feet. The intent of the trench was to attempt to identify if any of the piping from the former leak detection sump was left in place and to provide a closure sample for the leak detection sump.

Based on the analytical results it appears that the site wide concentrations of Chlorides exceed the background concentrations. Chloride concentrations range from 520 mg/kg in the Northwest Treatment Area to 1220 mg/kg in the South Area A. Also, there was a detection of TPH of 1120 mg/kg in the Southeast Treatment Area sample which was above the background concentration for this site; see *Table 2: Additional Site Investigation Sample Results*. No notable visual evidence of petroleum contamination was evident in the Southeast Treatment Area sample, so no additional delineation or soil remediation was completed at this time.

In addition to the supplemental closure samples Envirotech and Chevron has researched the lease agreement with the landowner for the Hallwood Pond. The lease agreement does not specify any specific requirements for the flow lines leading to and from the pond. Base on the NORM survey

results presented in Appendix A for piping that was disposed of previously, none of the piping had detections of NORM above background concentrations. Therefore, the piping left in-place is not considered to have any level of regulated NORM, consequently NMAC 19.15.35.10 requirements are not applicable. The flowlines were abandoned in-place following all other pertinent NMOCD and standard industry regulations applicable to flowline abandonment in-place.

SUMMARY AND CONCLUSIONS

Envirotech, Inc. conducted evaporation pond closure activities including removal of contaminated material, site restoration, confirmation sampling and analysis, documentation, and reporting. Approximately 506 cubic yards of contaminated soil and 2,850 barrels of sludge were transported to Envirotech's NMOCD permitted remediation facility, Landfarm #2, located near Hilltop New Mexico; see *Appendix B, Bills of Lading*. Approximately 110 cubic yards of PVC piping and liner material were transported to San Juan County Landfill; see *Appendix C, Special Waste Shipment Records*. Envirotech also completed additional site investigation activities to address items from the original closure plan that were not addressed. Based on the results from the additional investigation Envirotech recommends further investigation into the chloride levels across the site as well as delineation for the TPH detected in the Southeast Area sample. Upon determination of the site-specific closure standards for TPH and chlorides all necessary delineation and remediation activities will be performed under an approved remediation plan which will include re-seeding and post closure activities.

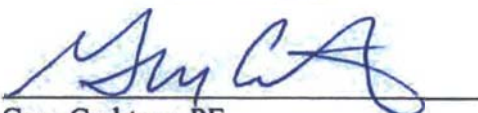
STATEMENT OF LIMITATIONS

Envirotech, Inc. performed evaporation pond closure activities at the Hallwood Evaporation Pond located in Section 25, Township 32N, Range 13W, San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were under the guidelines of the NMOCD. All observations and conclusions provided here are based on the information and current site conditions found during this investigation.

Due to the final report not being submitted at the time of service this report was revised in 2017 to close out the project. The original employees that completed the work are no longer employed with Envirotech. This report and the supplemental information has been verified by Envirotech's Management Team

We appreciate the opportunity to be of service. If you should have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH, INC.



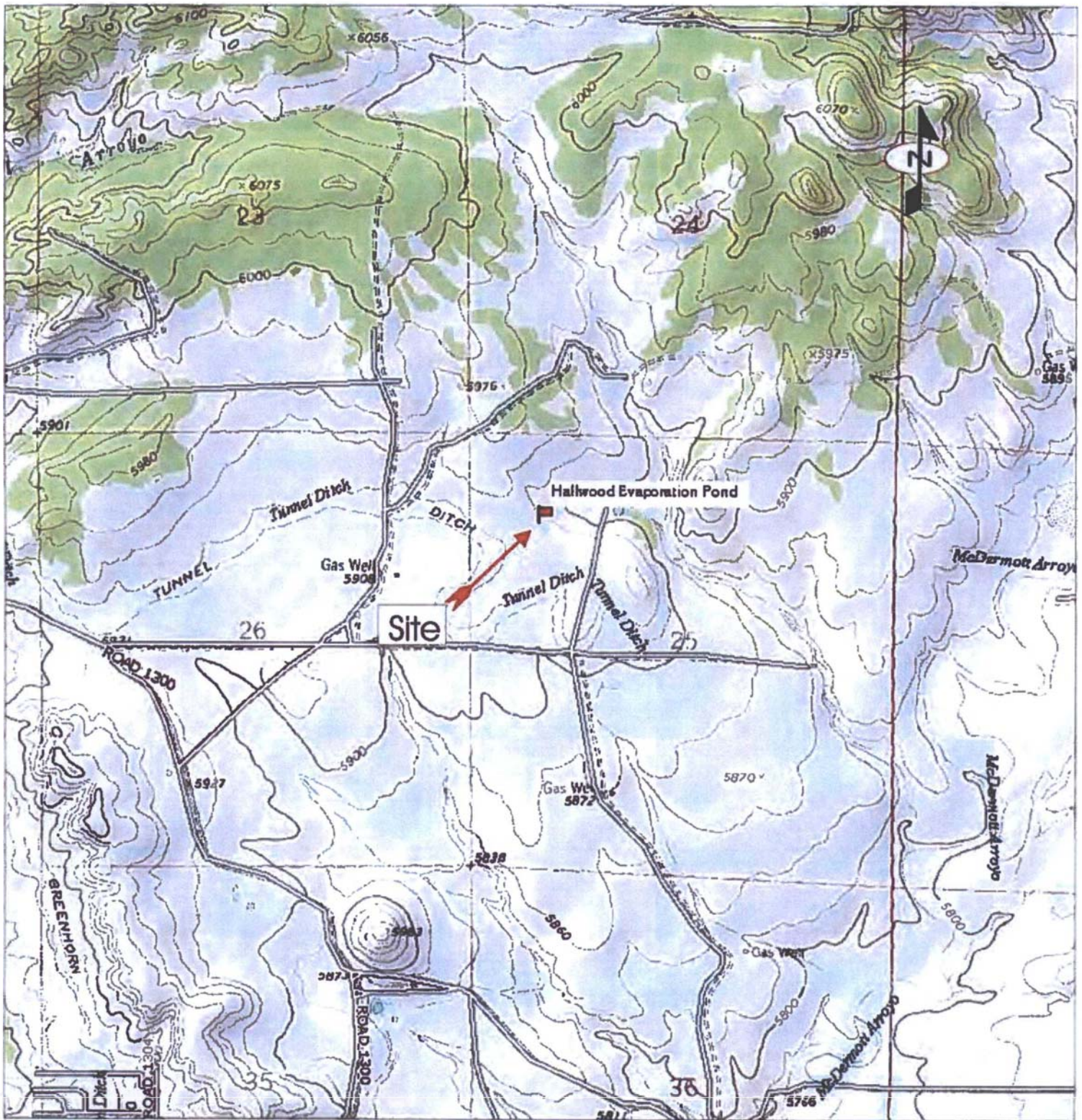
Greg Crabtree, PE
Environmental Manager
gcrabtree@envirotech-inc.com

FIGURES

Figure 1, Vicinity Map

Figure 2, Site Map

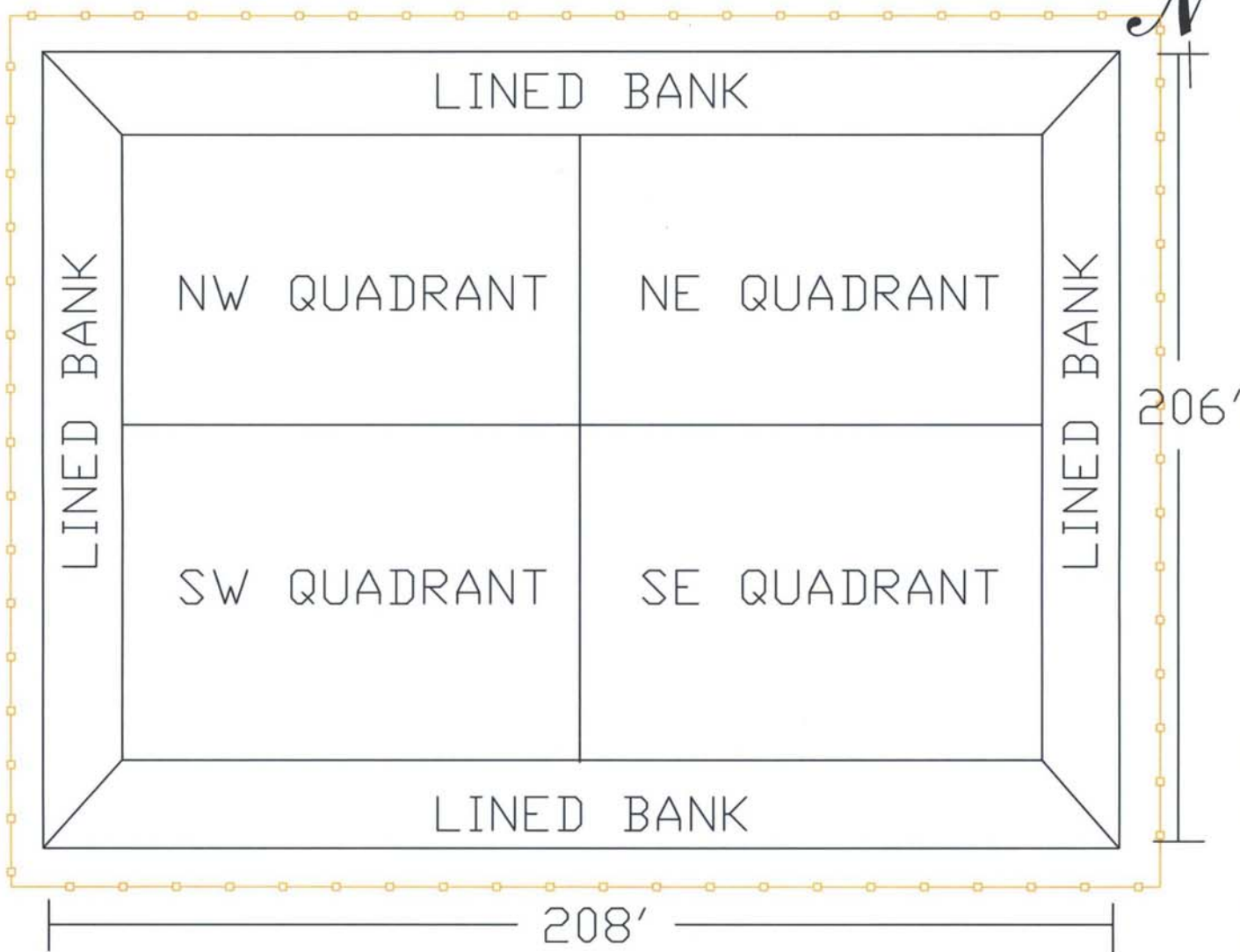
Figure 3, Additional Site Investigation Sample Map



Source: La Plata, New Mexico 7.5 Minute U.S.G.S. Topographic Quadrangle Map
 Scale: 1:24,000 1" = 2000'

Chevron Hallwood Evaporation Pond Section 25, Twp 32N, Rge 13W San Juan County, New Mexico PROJECT No 92270-0204 Date Drawn: 10/01/08		ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 PHONE (505) 632-0615		Vicinity Map Figure 1 DRAWN BY: Sherry Auckland PROJECT MANAGER: Kyle P. Kerr	
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HALLWOOD EVAPORATION POND



Legend



Fencing

SITE MAP CHEVRON

HALLWOOD EVAPORATION POND
SEC 25 TWN 32N RGE 13W
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS

PROJECT N092270-0204

FIGURE NO. 2

REV

REVISIONS

NO.	DATE	BY	DESCRIPTION

MAP DRWN	SLA	01/07/08	BASE DRWN		
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ENVIRONMENTAL SCIENTISTS & ENGINEERS
ENVIROTECH

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87410 505-632-0615



Chevron North America
Hallwood Evaporation Pond
Additional Site Investigation Sample Map
SEC 25, TWP 32N RNG 13W
San Juan County New Mexico
Permit # NM02-0006



envirotech

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

SCALE: NTS

FIGURE NO. 3

REV
0

PROJECT N092270-1646

TABLE

Table 1, Pond Closure Analytical Results

**Table 2, Additional Site Investigation Sample
Results**

Table 1: Pond Closure Analytical Results

Analyte of Interest	NE	NW	SE	SW	Background
Total Petroleum Hydrocarbons (TPH) USEPA Method 418.1 (mg/kg)					
Total Petroleum Hydrocarbons (TPH)	74.3	18.5	17.2	15.8	15.8
Volatile Organic Compounds (VOC) USEPA Method 8260 (mg/kg)					
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	<0.001	<0.001	<0.001	<0.001	<0.001
1-Methylnaphthalene	<0.001	<0.001	<0.001	<0.001	<0.001
2-Methylnaphthalene	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon Tetrachloride	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethylene (1,1-dichloroethene)	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-tetrachloroethylene(tetrachloroethene)	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-trichloroethylene (trichloroethene)	<0.001	<0.001	<0.001	<0.001	<0.001
methylene chloride	<0.001	<0.001	<0.001	<0.001	<0.001
chloroform	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001
ethylene dibromide (1,2-dibromoethane)	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-tetrachloroethane	<0.001	<0.001	<0.001	<0.001	<0.001
vinyl chloride	<0.001	<0.001	<0.001	<0.001	<0.001
Polynuclear Aromatic Hydrocarbons (PAH) USEPA Method 8270C (mg/kg)					
Acenaphthene	<0.25	<0.25	<0.25	<0.25	<0.25
Acenaphthylene	<0.25	<0.25	<0.25	<0.25	<0.25
Anthracene	<0.015	<0.015	<0.015	<0.015	<0.015
Benzo(a)anthracene	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	<0.010	<0.010	<0.010	<0.010	<0.010
benzo(ghi)perylene	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	<0.010	<0.010	<0.010	<0.010	<0.010
Chrysene	<0.011	<0.011	<0.011	<0.011	<0.011
Dibenz(a,h)anthracene	<0.010	<0.010	<0.010	<0.010	<0.010
Fluoranthene	<0.020	<0.020	<0.020	<0.020	<0.020
Fluorene	<0.030	<0.030	<0.030	<0.030	<0.030
Indeno(1,2,3-c,d)pyrene	<0.10	<0.10	<0.10	<0.10	<0.10
Phenanthrene	<0.015	<0.015	<0.015	<0.015	<0.015
pyrene	<0.025	<0.025	<0.025	<0.025	<0.025
Phenols	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated Biphenyls (PCB's) USEPA Method 8082 (mg/kg)					
PCB 1016	<0.02	<0.02	<0.02	<0.02	<0.02
PCB 1221	<0.02	<0.02	<0.02	<0.02	<0.02
PCB 1232	<0.02	<0.02	<0.02	<0.02	<0.02
PCB 1242	<0.02	<0.02	<0.02	<0.02	<0.02
PCB 1248	<0.02	<0.02	<0.02	<0.02	<0.02
PCB 1254	<0.02	<0.02	<0.02	<0.02	<0.02
PCB 1260	<0.02	<0.02	<0.02	<0.02	<0.02
Total Metals USEPA Method 6010 (mg/kg)					
Arsenic	0.022	0.022	0.026	<0.001	<0.001
Barium	18.7	18.3	21.6	18.4	17.4
Cadmium	0.007	0.023	0.010	0.008	0.008
Chromium	0.693	0.785	0.767	0.728	1.306
Copper	0.201	1.90	1.71	1.68	1.82
Iron	33.8	30.3	32.9	32.9	19.4
Lead	0.220	0.225	0.224	0.226	0.263
Manganese	0.889	0.863	1.010	0.823	0.949
Mercury (Method 7471)	0.001	<0.001	<0.001	<0.001	<0.001
Selenium	0.022	<0.001	<0.001	<0.001	<0.001
Silver	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc	1.01	1.23	1.13	1.05	1.10
Uranium (Method 6020)	0.978	0.913	0.906	0.852	0.602
General Chemistry (mg/L unless otherwise specified)					
pH (pH units)	8.08	8.84	8.37	8.26	7.88
Total dissolved Solids	950	710	1060	1130	1310
Nitrate	1.70	0.50	2.20	1.30	3.50
Cyanide	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoride	5.70	4.22	3.78	5.60	<0.1
Chloride	65.0	73.0	82.0	73.0	15.0
Sulfate	322	273	345	341	<0.1
Radiochemical Analysis (pCi/kg)					
Radium-226 & Radium-228	422.20	299.20	250.28	530.20	620.00

Table 2: Additional Site Investigation Sample Results

Analyte of Interest	Sump @10' BGS	NE Composite	Southeast Composite	South Composite a	South Composite b	North Composite	Northwest Composite	Background
Total Petroleum Hydrocarbons (TPH)	<40	<40	1120	<40	<40	<40	<40	15.8
Volatile Organic Compounds (VOC) USEPA Method 8260 (mg/kg)								
Benzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001
Toluene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001
Ethylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.001
Total Metals USEPA Method 6010 (mg/kg)								
Arsenic	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium	216	179	153	172	162	245	213	111
Cadmium	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium	16.3	16.3	17.4	16.1	23.0	21.9	23.4	<5.0
Copper	18.0	11.1	9.40	8.63	9.71	10.4	9.98	10.4
Iron	19400	13800	13200	12900	14800	15700	14700	11100
Lead	6.83	0.23	6.76	6.10	6.69	6.22	5.55	7.42
Manganese	340	298	334	360	396	426	366	299
Mercury (Method 7471)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Silver	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Zinc	60.1	38.7	43.2	45.5	48.1	52.2	48.2	33.0
Uranium (Method 6020)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.602
General Chemistry (mg/kg unless otherwise specified)								
Nitrate	8.71	82.2	59.3	85.7	84.0	42.7	37.80	4.62
Cyanide	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1
Fluoride	21.2	5.25	4.24	7.40	2.90	7.49	6.85	<2.5
Chloride	1010	1020	1060	1220	902	1190	520	<20.0
Sulfate	345	286	222	581	147	104	76.9	<20.0

Items highlighted are updated background samples taken 10/3/17

APPENDIX A

Norm Testing Analytical Results

FIELD REPORT NORM TESTING VERIFICATION

Client: Chevron Mid-Continent

Project #: 92270 - 0204

Page No: 1 of 7

Date: 30 May - 08

LOCATION:

NAME: LA PLATTA Evaporative Pond

QUAD/UNIT: NW 1/4 SEC. 25 TWP: 32N RNG: 13W PM: NM

COUNTY: San Juan STATE: New Mexico

LATITUDE: W 36° 57' 38" LONGITUDE: N 108° 09' 27"

BACKGROUND READING: .04 mR/HR ALLOWABLE CONCENTRATION (2 TIMES BACKGROUND): .08 mR/HR

TIME	SAMPLE I.D.	SAMPLE DESCRIPTION	CONCENTRATION
14 00	001	12" PVC PIPE	.04 mR/HR
14 02	002	12" PVC PIPE	.04 mR/HR
14 03	003	12" PVC PIPE	.04 mR/HR
14 05	004	12" PVC PIPE	.04 mR/HR
14 07	005	12" PVC PIPE	.04 mR/HR
14 09	006	12" PVC PIPE	.04 mR/HR
14 12	007	12" PVC PIPE	.04 mR/HR
14 13	008	12" PVC PIPE	.04 mR/HR
14 15	009	12" PVC PIPE	.04 mR/HR
14 17	010	12" PVC PIPE	.04 mR/HR
14 19	011	12" PVC PIPE	.04 mR/HR
14 20	012	12" PVC PIPE	.04 mR/HR
14 22	013	12" PVC PIPE	.04 mR/HR
14 24	014	12" PVC PIPE	.04 mR/HR
14 26	015	12" PVC PIPE	.04 mR/HR
14 29	016	12" PVC PIPE	.04 mR/HR
14 30	017	12" PVC PIPE	.04 mR/HR
14 32	018	12" PVC PIPE	.04 mR/HR
14 34	019	12" PVC PIPE	.04 mR/HR
14 36	020	12" PVC PIPE	.04 mR/HR
14 38	021	12" PVC PIPE	.04 mR/HR
14 40	022	12" PVC PIPE	.04 mR/HR
14 42	023	12" PVC PIPE	.04 mR/HR
14 43	024	12" PVC PIPE	.04 mR/HR

Joshua M. Kirchner
Analyst Signature

30 May 08
Date

Joshua M. Kirchner
Printed Name

6888
Instrument I.D.

FIELD REPORT NORM TESTING VERIFICATION

Client: Chevron MO Company

Project #: 92270-0204

Page No: 2 of 1

Date: 30-May-08

LOCATION:

NAME:

QUAD/UNIT: NW/NE SEC: 25 TWP: 32N RNG: 13W PM: NM

COUNTY: SAN JUAN STATE: New Mexico

LATITUDE: W 36° 57.389" LONGITUDE: N 108° 07.27"

BACKGROUND READING: .04 mR/HR ALLOWABLE CONCENTRATION (2 TIMES BACKGROUND): .08 mR/HR

TIME	SAMPLE ID.	SAMPLE DESCRIPTION	CONCENTRATION
1445	101	6" PVC Pipe	.04 mR/HR
1447	102	6" PVC Pipe	.04 mR/HR
1448	103	6" PVC Pipe	.04 mR/HR
1450	104	6" PVC Pipe	.04 mR/HR
1455	201	4" PVC Pipe	.04 mR/HR
1456	202	4" PVC Pipe	.04 mR/HR
1458	203	4" PVC Pipe	.04 mR/HR
1500	204	4" PVC Pipe	.04 mR/HR
1501	205	4" PVC Pipe	.04 mR/HR
1505	301	1" PVC Pipe	.04 mR/HR
1507	302	1" PVC Pipe	.04 mR/HR
1508	303	1" PVC Pipe	.04 mR/HR
1510	304	1" PVC Pipe	.04 mR/HR
1512	305	1" PVC Pipe	.04 mR/HR
1514	306	1" PVC Pipe	.04 mR/HR
1515	307	1" PVC Pipe	.04 mR/HR
1516	308	1" PVC Pipe	.04 mR/HR
1517	309	1" PVC Pipe	.04 mR/HR
1519	310	1" PVC Pipe	.04 mR/HR
1520	311	1" PVC Pipe	.04 mR/HR
1522	312	1" PVC Pipe	.04 mR/HR
1523	313	1" PVC Pipe	.04 mR/HR

Joshua M. Kirschner
Analyst Signature

30-May-08
Date

Joshua M. Kirschner
Printed Name

6888
Instrument I.D.

FIELD REPORT NORM TESTING VERIFICATION

Client: Chevron MID-Continent

Project #: 92270-0204

Page No: 4 of 7

Date: 30-MAY-08

LOCATION:

NAME: La Platta Evaporation Pond Facility

QUAD/UNIT: NW/NE SEC. 25 TWP: 32N RNG: 13W PM: NM

COUNTY: San Juan STATE: NEW Mexico

LATITUDE: 36° 57.389' LONGITUDE: N 108° 09.279'

BACKGROUND READING: .04 mR/HR ALLOWABLE CONCENTRATION (2 TIMES BACKGROUND): .08 mR/HR

TIME	SAMPLE ID.	SAMPLE DESCRIPTION	CONCENTRATION
16:00	701	Sand Bag	.04 mR/HR
16:01	702	Sand Bag	.04 mR/HR
16:02	703	Sand Bag	.04 mR/HR
16:03	704	Sand Bag	.04 mR/HR
16:04	705	Sand Bag	.04 mR/HR
16:05	706	Sand Bag	.04 mR/HR
16:06	707	Sand Bag	.04 mR/HR
16:07	708	Sand Bag	.04 mR/HR
16:08	709	Sand Bag	.04 mR/HR
16:09	710	Sand Bag	.04 mR/HR
16:10	711	Sand Bag	.04 mR/HR
16:11	712	Sand Bag	.04 mR/HR
16:12	713	Sand Bag	.04 mR/HR
16:13	714	Sand Bag	.04 mR/HR
16:14	715	Sand Bag	.04 mR/HR
16:15	716	Sand Bag	.04 mR/HR
16:16	717	Sand Bag	.04 mR/HR
16:17	718	Sand Bag	.04 mR/HR
16:18	719	Sand Bag	.04 mR/HR
16:19	720	Sand Bag	.04 mR/HR

Joshua M. Kirchner
Analyst Signature

30-MAY-08
Date

Joshua M. Kirchner
Printed Name

6888
Instrument I.D.

FIELD REPORT NORM TESTING VERIFICATION

Date: 1 June - 08

LATITUDE: $36^{\circ} 57.389''$ LONGITUDE: $108^{\circ} 09.279''$

BACKGROUND READING: 04 ml/HR ALLOWABLE CONCENTRATION (2 TIMES BACKGROUND): 08 ml/HR

[illegible]

Analyst Signature

Date _____

Printed Name _____

Instrument I.D.

FIELD REPORT NORM TESTING VERIFICATION

Client: Champion Ma-conrines

Project #: 9220.0204

Page No: 6 of 7

Date: 2-June-08

LOCATION:

NAME: La Plata Evaporation Pond Facility

QUAD/UNIT: NW/NE SEC: 25 TWP: 32N RNG: 13W PM: NM

COUNTY: San Juan STATE: New Mexico

LATITUDE: N 36° 57.389" LONGITUDE: N 108° 09.279"

BACKGROUND READING: .04 mR/HR ALLOWABLE CONCENTRATION (2 TIMES BACKGROUND): .08 mR/HR

TIME	SAMPLE ID.	SAMPLE DESCRIPTION	CONCENTRATION
10:25	601	4" Rubber hose	.04 mR/HR
10:26	602	4" Rubber hose	.04 mR/HR
10:27	603	4" Rubber hose	.04 mR/HR
10:29	604	4" Rubber hose	.04 mR/HR
10:30	605	4" Rubber hose	.04 mR/HR
10:32	606	4" Rubber hose	.04 mR/HR
10:33	607	4" Rubber hose	.04 mR/HR
10:34	608	4" Rubber hose	.04 mR/HR
10:35	609	4" Rubber hose	.04 mR/HR
10:36	610	4" Rubber hose	.04 mR/HR
10:38	611	4" Rubber hose	.04 mR/HR
10:39	612	4" Rubber hose	.04 mR/HR
10:40	613	4" Rubber hose	.04 mR/HR
10:41	614	4" Rubber hose	.04 mR/HR
10:42	615	4" Rubber hose	.04 mR/HR
10:44	616	4" Rubber hose	.04 mR/HR
10:45	617	4" Rubber hose	.04 mR/HR
10:47	618	1" Rubber hose	.04 mR/HR
10:48	619	1" Rubber hose	.04 mR/HR
10:50	620	1" Rubber hose	.04 mR/HR
10:51	621	1" Rubber hose	.04 mR/HR
10:52	622	1" Rubber hose	.04 mR/HR

Joshua M. Kirchner
Analyst Signature

2-June-08
Date

Joshua M. Kirchner
Printed Name

6888
Instrument I.D.

VERIFICATION

Project #: 92270-0204

Date: 2-June-08

NAME: La Pluma Evaporation Pond

QUAD/UNIT: NW 1/4 SEC: 25 TWP: 32N RNG: 13W PM: NM

COUNTY: San Juan STATE: New Mexico

LATITUDE: $W 36^{\circ} 57.389''$ LONGITUDE: $N 108^{\circ} 09.279''$

ALLOWABLE CONCENTRATION (2 TIMES BACKGROUND): 0.8 ml/hr[illegible]

Analyst Signature

Date _____

Printed Name

Instrument I.D.

FIELD REPORT NORM TESTING VERIFICATION

Client Chaveros Mid-America Project #: 9270-0204
Page No: 1 of 1 Date: 2-June-08

LOCATION:
NAME: La Platta Evaporation Pond Facility
QUAD/UNIT: NW/NE SEC: 25 TWP: 32N RNG: 13W PM: NW
COUNTY: San Juan STATE: New Mexico
LATITUDE: N 36° 57.389" LONGITUDE: N 108° 09.279"

BACKGROUND READING: 04.8/Hr ALLOWABLE CONCENTRATION (2 TIMES BACKGROUND): 08.8/Hr

[illegible]

Joshua M. Keschner
Analyst Signature

2-June-68
Date

Joshua M Kirchner
Printed Name

6888
Instrument I.D.

FIELD REPORT NORM TESTING VERIFICATION

Project #: 92270-

Date: 12-June-2008

LOCATION: NAME: La Platta Produced water / Evaporation Pond
QUAD/UNIT: NW 1/4 SEC: 25 TWP: 32N RNG: 13W PM: NM
COUNTY: San Juan STATE: New Mexico
LATITUDE: 36° 57.399' LONGITUDE: -108° 09.279'

NAME: La Plarra Produced Water / Evaporation Pond

QUAD/UNIT: NW/5E SEC: 25 TWP: 32N RNG: 13W PM: NM

COUNTY: San Juan STATE: New Mexico

LATITUDE: $36^{\circ} 57.399'$ LONGITUDE: $-108^{\circ} 09.279'$

BACKGROUND READING: 04.2/m ALLOWABLE CONCENTRATION (2 TIMES BACKGROUND): 08.4/m

[illegible]

Analyst Signature

Date _____

Printed Name _____

Instrument I.D.

ENVIROTECH INC.

Practical Solutions for a Better Tomorrow

FIELD REPORT NORM TESTING VERIFICATION

Client: <u>Chevron Mid Continent</u>	Project #: <u>92270-02</u>
Page No: <u>2</u> of <u>2</u>	Date: <u>12-June-2008</u>
LOCATION:	
NAME: <u>La Plaria Produced water / Evaporation Pond</u>	
QUAD/UNIT: <u>NW / SE</u> SEC: <u>25</u>	TWP: <u>32N</u> RNG: <u>13W</u> PM: <u>N</u>
COUNTY: <u>San Juan</u>	STATE: <u>New Mexico</u>
LATITUDE: <u>36° 51.394'</u>	LONGITUDE: <u>-108° 09.279'</u>

BACKGROUND READING: 04 mR/HR ALLOWABLE CONCENTRATION (2 TIMES BACKGROUND): 08 mR/HR

TIME	SAMPLE I.D.	SAMPLE DESCRIPTION	CONCENTRATION
003	901	Black Liner (wall)	04 mR/HR
05	902	Black Liner (wall)	04 mR/HR
10	903	Black Liner (wall)	04 mR/HR
15	904	Black Liner (wall)	04 mR/HR
20	905	Black Liner (wall)	04 mR/HR
25	906	Black Liner (wall)	04 mR/HR
30	908	Black Liner (wall)	04 mR/HR
35	909	Black Liner (wall)	04 mR/HR
40	910	Black Liner (wall)	04 mR/HR
45	911	Black Liner (wall)	04 mR/HR
50	912	Black Liner (wall)	04 mR/HR
55	913	Black Liner (wall)	04 mR/HR
1100	914	Black Liner (wall)	04 mR/HR
1105	915	Black Liner (wall)	04 mR/HR
1110	916	Black Liner (wall)	04 mR/HR
1115	917	Floor Black Liner NE Floor	04 mR/HR
1120	918	Black Liner SE Floor	04 mR/HR
1125	919	Black Liner SW Floor	04 mR/HR
1130	920	Black Liner NW Floor	04 mR/HR
1135	907	Black Liner (wall)	04 mR/HR

Joshua M. Kirchner
Analyst Signature

12-June-2008
Date

Joshua M. Kirchner
Printed Name

6888
Instrument I.D.

FIELD REPORT NORM TESTING VERIFICATION

Client: <u>CHEVRON</u>	Project #: <u>92270-0204</u>
Page No: <u>1</u> of <u>2</u>	Date: <u>06/17/08</u>
LOCATION: NAME: <u>LA PLATA POND</u>	
QUAD/UNIT: _____	SEC: <u>25</u> TWP: <u>32N</u> RNG: <u>13 W</u> PM: <u>NM</u>
COUNTY: <u>SANTA ALBA</u>	STATE: <u>NEW MEXICO</u>
LATITUDE: _____	LONGITUDE: _____

BACKGROUND READING: 0.06 CPM ALLOWABLE CONCENTRATION (2 TIMES BACKGROUND): 0.12 CPM

TIME	SAMPLE I.D.	SAMPLE DESCRIPTION	CONCENTRATION
1143	1	(1) BLACK PLASTIC TOP LAYER	0.06 CPM
	2	(1) BLACK PLASTIC 2 ND LAYER LINDER	0.06 CPM
	3	(1) GREEN CLOTH 2 ND LAYER LINDER	0.04 CPM
	4	(1) WHITE CLOTH 4 TH LAYER LINDER	0.09 CPM
	5	(2) BLACK PLASTIC TOP LAYER	0.06 CPM
	6	(2) BLACK PLASTIC 3 RD LAYER LINDER	0.06 CPM
	7	(2) GREEN CLOTH 2 ND LAYER LINDER	0.06 CPM
	8	(2) WHITE CLOTH 4 TH LAYER LINDER	0.06 CPM
	9	(3) BLACK PLASTIC TOP LAYER	0.06 CPM
	10	(3) BLACK PLASTIC 3 RD LAYER LINDER	0.06 C
	11	(3) GREEN CLOTH 2 ND LAYER LINDER	0.07
	12	(3) WHITE CLOTH 4 TH LAYER LINDER	0.06
	13	(4) BLACK PLASTIC TOP LAYER	0.06
	14	(4) BLACK PLASTIC 3 RD LAYER LINDER	0.05
	15	(4) GREEN CLOTH 2 ND LAYER LINDER	0.06
	16	(4) WHITE WHITE CLOTH 4 TH LAYER LINDER	0.06
	17	(5) BLACK PLASTIC TOP LAYER	0.05
	18	(5) BLACK PLASTIC 3 RD LAYER LINDER	0.06
	19	(5) GREEN CLOTH 2 ND LAYER LINDER	0.06
	20	(5) WHITE CLOTH 4 TH LAYER LINDER	0.06
	21	(6) BLACK PLASTIC TOP LAYER LINDER	0.06
	22	(6) BLACK PLASTIC 3 RD LAYER LINDER	0.06
	23	(6) GREEN CLOTH 2 ND LAYER LINDER	0.06
	24	(6) WHITE CLOTH 4 TH LAYER LINDER	0.07

Nicole Hayworth
Analyst Signature

06/17/08
Date

NICOLE HAYWORTH
Printed Name

GSM-523
Instrument I.D.

APPENDIX A

Pond Sludge Analytical Results

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Chevron
Sample No.: 1
Sample ID: Pond Sludge
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92270-0204
Date Reported: 6/2/2008
Date Sampled: 6/2/2008
Date Analyzed: 6/2/2008
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	268	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Wastes, USEPA Storet No. 4551, 1978.

Comments: La Plata Evaporation Pond Sludge after soil blending

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

James McDaniel
Printed


Kyle P Kerr
Printed

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CONTINUOUS CALIBRATION

EPA METHOD 418.1

TOTAL PETROLEUM

HYDROCARBONS

Cal. Date: 2-Jun-08

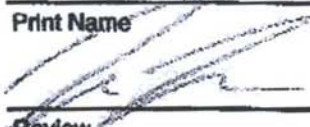
Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	185
	200	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.


Analyst

James McDaniel

Print Name


Review

Kyle P. Kerr

Print Name

6/2/08
Date

6/2/08
Date

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 6/2/08 TIME 1715 Attach test strip here

CUSTOMER Chevron

SITE La Plata Evaporation Pond

DRIVER NA

SAMPLE Soil

CHLORIDE TEST 91 mg/Kg

ACCEPTED YES NA NO NA

PAINT FILTER TEST Time started NA Time completed NA

PASS YES X NO

SAMPLER/ANALYST James McDaniel



5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

pH analysis

Client:	Chevron	Project #:	92270-0204
Sample ID:	Pond Sludge	Date Reported:	05-27-08
Laboratory Number:	45808	Date Sampled:	05-23-08
Chain of Custody:	4462	Date Received:	05-23-08
Sample Matrix:	Sludge	Date Extracted:	05-23-08
Preservative:	Cool	Date Analyzed:	05-23-08
Condition:	Intact		

Parameter	Analytical Result	Units
pH	10.40	su

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: La Plata Pond.

Analyst

Review

4462

ENVIROTECH INC.

5796 U.S. Highway 64 • Farmington, New Mexico 87401 • (505) 632-0615

APPENDIX A

Pond Closure Sample Analytical Results

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-0204
Sample ID:	NE	Date Reported:	06-25-08
Laboratory Number:	45921	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-23-08
Preservative:	Cool	Date Extracted:	06-19-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1.7	0.9
Toluene	2.8	1.0
Ethylbenzene	1.2	1.0
p,m-Xylene	3.0	1.2
o-Xylene	1.8	0.9
Total BTEX	10.5	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-0204
Sample ID:	NW	Date Reported:	06-25-08
Laboratory Number:	45922	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-23-08
Preservative:	Cool	Date Extracted:	06-19-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1.6	0.9
Toluene	3.4	1.0
Ethylbenzene	1.8	1.0
p,m-Xylene	4.5	1.2
o-Xylene	2.4	0.9
Total BTEX	13.7	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-0204
Sample ID:	SE	Date Reported:	06-25-08
Laboratory Number:	45923	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-23-08
Preservative:	Cool	Date Extracted:	06-19-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1.4	0.9
Toluene	4.6	1.0
Ethylbenzene	1.0	1.0
p,m-Xylene	3.3	1.2
o-Xylene	1.7	0.9
Total BTEX	12.0	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-0204
Sample ID:	SW	Date Reported:	06-25-08
Laboratory Number:	45924	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-23-08
Preservative:	Cool	Date Extracted:	06-19-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.0 %
	1,4-difluorobenzene	96.0 %
	Bromochlorobenzene	96.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-0204
Sample ID:	Background	Date Reported:	06-25-08
Laboratory Number:	45925	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-23-08
Preservative:	Cool	Date Extracted:	06-19-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	06-23-BT QA/QC	Date Reported:	06-25-08
Laboratory Number:	45921	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-23-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	O-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	3.1460E+007	3.1523E+007	0.2%	ND	0.1
Toluene	2.4308E+007	2.4355E+007	0.2%	ND	0.1
Ethylbenzene	1.7412E+007	1.7447E+007	0.2%	ND	0.1
p,m-Xylene	3.9073E+007	3.9151E+007	0.2%	ND	0.1
o-Xylene	1.7085E+007	1.7120E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	1.7	1.5	11.8%	0 - 30%	0.9
Toluene	2.8	2.7	3.6%	0 - 30%	1.0
Ethylbenzene	1.2	1.1	8.3%	0 - 30%	1.0
p,m-Xylene	3.0	3.0	0.0%	0 - 30%	1.2
o-Xylene	1.8	1.7	5.6%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	1.7	50.0	51.2	99.0%	39 - 150
Toluene	2.8	50.0	52.2	98.9%	46 - 148
Ethylbenzene	1.2	50.0	51.0	99.6%	32 - 160
p,m-Xylene	3.0	100	93.0	90.3%	46 - 148
o-Xylene	1.8	50.0	51.7	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 45921 - 45925 and 45956 - 45960.

Analyst

Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B

Volatile Organic Compounds by GC/MS

Client: Chevron
Sample ID: NE
Chain of Custody: 4593
Laboratory Number: 45921
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92270-0204
Date Reported: 06-24-08
Date Sampled: 06-16-08
Date Received: 06-16-08
Date Analyzed: 06-19-08
Date Extracted: 06-17-08
Analysis Requested: 8260 VOC

Parameter	Concentration	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/Kg)	1.0	1
Toluene	ND	(ug/Kg)	1.0	1
Ethylbenzene	ND	(ug/Kg)	1.0	1
Xylenes, Total	ND	(ug/Kg)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1
Naphthalene	ND	(ug/Kg)	1.0	1
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1
Bromobenzene	ND	(ug/Kg)	1.0	1
Bromochloromethane	ND	(ug/Kg)	1.0	1
Bromodichloromethane	ND	(ug/Kg)	1.0	1
Bromoform	ND	(ug/Kg)	1.0	1
Bromomethane	ND	(ug/Kg)	1.0	1
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1
Chlorobenzene	ND	(ug/Kg)	1.0	1
Chloroethane	ND	(ug/Kg)	2.0	1
Chloroform	ND	(ug/Kg)	1.0	1
Chloromethane	ND	(ug/Kg)	1.0	1
2-Chlorotoluene	ND	(ug/Kg)	1.0	1
4-Chlorotoluene	ND	(ug/Kg)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1
Dibromochloromethane	ND	(ug/Kg)	1.0	1
Dibromoethane	ND	(ug/Kg)	2.0	1
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1

Client: Chevron
Sample ID: NE
Laboratory Number: 45921

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Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1
Isopropylbenzene	ND	(ug/Kg)	1.0	1
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1
Methylene Chloride	ND	(ug/Kg)	3.0	1
n-Butylbenzene	ND	(ug/Kg)	1.0	1
n-Propylbenzene	ND	(ug/Kg)	1.0	1
sec-Butylbenzene	ND	(ug/Kg)	1.0	1
Styrene	ND	(ug/Kg)	1.0	1
tert-Butylbenzene	ND	(ug/Kg)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1
Vinyl Chloride	ND	(ug/Kg)	2.0	1

Surrogates:	Rec. Limits			
Dibromofluoromethane	104	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	109	% Recovery	74.6-123	1
Toluene-d8	104	% Recovery	84.2-115	1
4-Bromofluorobenzene	105	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B

Volatile Organic Compounds by GC/MS

Client: Chevron
Sample ID: NW
Chain of Custody: 4593
Laboratory Number: 45922
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92270-0204
Date Reported: 06-24-08
Date Sampled: 06-16-08
Date Received: 06-16-08
Date Analyzed: 06-19-08
Date Extracted: 06-17-08
Analysis Requested: 8260 VOC

Parameter	Concentration	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/Kg)	1.0	1
Toluene	ND	(ug/Kg)	1.0	1
Ethylbenzene	ND	(ug/Kg)	1.0	1
Xylenes, Total	ND	(ug/Kg)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1
Naphthalene	ND	(ug/Kg)	1.0	1
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1
Bromobenzene	ND	(ug/Kg)	1.0	1
Bromochloromethane	ND	(ug/Kg)	1.0	1
Bromodichloromethane	ND	(ug/Kg)	1.0	1
Bromoform	ND	(ug/Kg)	1.0	1
Bromomethane	ND	(ug/Kg)	1.0	1
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1
Chlorobenzene	ND	(ug/Kg)	1.0	1
Chloroethane	ND	(ug/Kg)	2.0	1
Chloroform	ND	(ug/Kg)	1.0	1
Chloromethane	ND	(ug/Kg)	1.0	1
2-Chlorotoluene	ND	(ug/Kg)	1.0	1
4-Chlorotoluene	ND	(ug/Kg)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1
Dibromochloromethane	ND	(ug/Kg)	1.0	1
Dibromoethane	ND	(ug/Kg)	2.0	1
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1

Client: Chevron
Sample ID: NW
Laboratory Number: 45922

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Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1
Isopropylbenzene	ND	(ug/Kg)	1.0	1
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1
Methylene Chloride	ND	(ug/Kg)	3.0	1
n-Butylbenzene	ND	(ug/Kg)	1.0	1
n-Propylbenzene	ND	(ug/Kg)	1.0	1
sec-Butylbenzene	ND	(ug/Kg)	1.0	1
Styrene	ND	(ug/Kg)	1.0	1
tert-Butylbenzene	ND	(ug/Kg)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
1,1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1
Vinyl Chloride	ND	(ug/Kg)	2.0	1

Surrogates:	Rec. Limits			
Dibromofluoromethane	104	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	109	% Recovery	74.6-123	1
Toluene-d8	104	% Recovery	84.2-115	1
4-Bromofluorobenzene	105	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

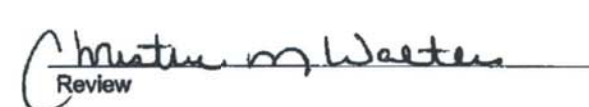
References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B Volatile Organic Compounds by GC/MS

Client:	Chevron	Project #:	92270-0204
Sample ID:	SE	Date Reported:	06-24-08
Chain of Custody:	4593	Date Sampled:	06-16-08
Laboratory Number:	45923	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-19-08
Preservative:	Cool	Date Extracted:	06-17-08
Condition:	Cool and Intact	Analysis Requested:	8260 VOC

Parameter	Concentration	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/Kg)	1.0	1
Toluene	ND	(ug/Kg)	1.0	1
Ethylbenzene	ND	(ug/Kg)	1.0	1
Xylenes, Total	ND	(ug/Kg)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1
Naphthalene	ND	(ug/Kg)	1.0	1
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1
Bromobenzene	ND	(ug/Kg)	1.0	1
Bromochloromethane	ND	(ug/Kg)	1.0	1
Bromodichloromethane	ND	(ug/Kg)	1.0	1
Bromoform	ND	(ug/Kg)	1.0	1
Bromomethane	ND	(ug/Kg)	1.0	1
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1
Chlorobenzene	ND	(ug/Kg)	1.0	1
Chloroethane	ND	(ug/Kg)	2.0	1
Chloroform	ND	(ug/Kg)	1.0	1
Chloromethane	ND	(ug/Kg)	1.0	1
2-Chlorotoluene	ND	(ug/Kg)	1.0	1
4-Chlorotoluene	ND	(ug/Kg)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1
Dibromochloromethane	ND	(ug/Kg)	1.0	1
Dibromoethane	ND	(ug/Kg)	2.0	1
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1

Client: Chevron
Sample ID: SE
Laboratory Number: 45923

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Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1
Isopropylbenzene	ND	(ug/Kg)	1.0	1
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1
Methylene Chloride	ND	(ug/Kg)	3.0	1
n-Butylbenzene	ND	(ug/Kg)	1.0	1
n-Propylbenzene	ND	(ug/Kg)	1.0	1
sec-Butylbenzene	ND	(ug/Kg)	1.0	1
Styrene	ND	(ug/Kg)	1.0	1
tert-Butylbenzene	ND	(ug/Kg)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1
Vinyl Chloride	ND	(ug/Kg)	2.0	1

Surrogates:			Rec. Limits	
Dibromofluoromethane	104	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	109	% Recovery	74.6-123	1
Toluene-d8	104	% Recovery	84.2-115	1
4-Bromofluorobenzene	105	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B Volatile Organic Compounds by GC/MS

Client: Chevron
Sample ID: SW
Chain of Custody: 4593
Laboratory Number: 45924
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92270-0204
Date Reported: 06-24-08
Date Sampled: 06-16-08
Date Received: 06-16-08
Date Analyzed: 06-19-08
Date Extracted: 06-17-08
Analysis Requested: 8260 VOC

Parameter	Concentration	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/Kg)	1.0	1
Toluene	ND	(ug/Kg)	1.0	1
Ethylbenzene	ND	(ug/Kg)	1.0	1
Xylenes, Total	ND	(ug/Kg)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1
Naphthalene	ND	(ug/Kg)	1.0	1
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1
Bromobenzene	ND	(ug/Kg)	1.0	1
Bromochloromethane	ND	(ug/Kg)	1.0	1
Bromodichloromethane	ND	(ug/Kg)	1.0	1
Bromoform	ND	(ug/Kg)	1.0	1
Bromomethane	ND	(ug/Kg)	1.0	1
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1
Chlorobenzene	ND	(ug/Kg)	1.0	1
Chloroethane	ND	(ug/Kg)	2.0	1
Chloroform	ND	(ug/Kg)	1.0	1
Chloromethane	ND	(ug/Kg)	1.0	1
2-Chlorotoluene	ND	(ug/Kg)	1.0	1
4-Chlorotoluene	ND	(ug/Kg)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1
Dibromochloromethane	ND	(ug/Kg)	1.0	1
Dibromoethane	ND	(ug/Kg)	2.0	1
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1

Client: Chevron
Sample ID: SW
Laboratory Number: 45924

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Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1
Isopropylbenzene	ND	(ug/Kg)	1.0	1
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1
Methylene Chloride	ND	(ug/Kg)	3.0	1
n-Butylbenzene	ND	(ug/Kg)	1.0	1
n-Propylbenzene	ND	(ug/Kg)	1.0	1
sec-Butylbenzene	ND	(ug/Kg)	1.0	1
Styrene	ND	(ug/Kg)	1.0	1
tert-Butylbenzene	ND	(ug/Kg)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1
Vinyl Chloride	ND	(ug/Kg)	2.0	1

Surrogates:			Rec. Limits	
Dibromofluoromethane	104	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	109	% Recovery	74.8-123	1
Toluene-d8	104	% Recovery	84.2-115	1
4-Bromofluorobenzene	105	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B

Volatile Organic Compounds by GC/MS

Client:	Chevron	Project #:	92270-0204
Sample ID:	Background	Date Reported:	06-24-08
Chain of Custody:	4593	Date Sampled:	06-16-08
Laboratory Number:	45925	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-18-08
Preservative:	Cool	Date Extracted:	06-17-08
Condition:	Cool and Intact	Analysis Requested:	8260 VOC

Parameter	Concentration	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/Kg)	1.0	1
Toluene	ND	(ug/Kg)	1.0	1
Ethylbenzene	ND	(ug/Kg)	1.0	1
Xylenes, Total	ND	(ug/Kg)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1
Naphthalene	ND	(ug/Kg)	1.0	1
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1
Bromobenzene	ND	(ug/Kg)	1.0	1
Bromochloromethane	ND	(ug/Kg)	1.0	1
Bromodichloromethane	ND	(ug/Kg)	1.0	1
Bromoform	ND	(ug/Kg)	1.0	1
Bromomethane	ND	(ug/Kg)	1.0	1
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1
Chlorobenzene	ND	(ug/Kg)	1.0	1
Chloroethane	ND	(ug/Kg)	2.0	1
Chloroform	ND	(ug/Kg)	1.0	1
Chloromethane	ND	(ug/Kg)	1.0	1
2-Chlorotoluene	ND	(ug/Kg)	1.0	1
4-Chlorotoluene	ND	(ug/Kg)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1
Dibromochloromethane	ND	(ug/Kg)	1.0	1
Dibromoethane	ND	(ug/Kg)	2.0	1
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1

Client: Chevron
Sample ID: Background
Laboratory Number: 45925

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Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1
Isopropylbenzene	ND	(ug/Kg)	1.0	1
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1
Methylene Chloride	ND	(ug/Kg)	3.0	1
n-Butylbenzene	ND	(ug/Kg)	1.0	1
n-Propylbenzene	ND	(ug/Kg)	1.0	1
sec-Butylbenzene	ND	(ug/Kg)	1.0	1
Styrene	ND	(ug/Kg)	1.0	1
tert-Butylbenzene	ND	(ug/Kg)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1
Vinyl Chloride	ND	(ug/Kg)	2.0	1

Surrogates:	Rec. Limits			
Dibromofluoromethane	104	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	109	% Recovery	74.6-123	1
Toluene-d8	104	% Recovery	84.2-115	1
4-Bromofluorobenzene	105	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B Volatile Organic Compounds by GC/MS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-24-08
Laboratory Number:	06-19 VOA	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-19-08
Condition:	N/A	Analysis Requested:	8260 VOC

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	ND	(ug/L)	1.0	1
Xylenes, Total	ND	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Naphthalene	ND	(ug/L)	1.0	1
1-Methylnaphthalene	ND	(ug/L)	2.0	1
2-Methylnaphthalene	ND	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	ND	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B Volatile Organic Compounds by GC/MS Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 06-19 VOA

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Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	ND	(ug/L)	1.0	1
4-Isopropyltoluene	ND	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	1.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	ND	(ug/L)	1.0	1
sec-Butylbenzene	ND	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	ND	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1

Surrogates:	Rec. Limits			
Dibromofluoromethane	91.1	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	96.2	% Recovery	74.6-123	1
Toluene-d8	93.9	% Recovery	84.2-115	1
4-Bromofluorobenzene	96.2	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: QA/QC for Samples 45921 - 45925.

Analyst

Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B

Volatile Organic Compounds by GC/MS Daily Calibration Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Daily Calibration	Date Reported:	06-24-08
Laboratory Number:	06-19 QA/QC	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-19-08
Condition:	N/A	Analysis Requested:	8260 VOC

Parameter	Concentration (ug/L)	Result	% Recovered	% Recovery Limits
Benzene	100	108	108	80 - 120
Toluene	100	88.6	88.6	80 - 120
Ethylbenzene	100	97.8	97.8	80 - 120
Xylenes, Total	100	101	101	80 - 120
Methyl tert-butyl ether (MTBE)	100	99.5	99.5	80 - 120
1,2,4-Trimethylbenzene	100	83.6	83.6	80 - 120
1,3,5-Trimethylbenzene	100	90.4	90.4	80 - 120
1,2-Dichloroethane (EDC)	100	110	110	80 - 120
1,2-Dibromoethane (EDB)	100	112	112	80 - 120
Naphthalene	100	105	105	80 - 120
1-Methylnaphthalene	100	88.2	88.2	80 - 120
2-Methylnaphthalene	100	90.5	90.5	80 - 120
Bromobenzene	100	93.9	93.9	80 - 120
Bromochloromethane	100	120	120	80 - 120
Bromodichloromethane	100	109	109	80 - 120
Bromoform	100	118	118	80 - 120
Bromomethane	100	94.6	94.6	80 - 120
Carbon Tetrachloride	100	113	113	80 - 120
Chlorobenzene	100	95.8	95.8	80 - 120
Chloroethane	100	82.3	82.3	80 - 120
Chloroform	100	104	104	80 - 120
Chloromethane	100	96.2	96.2	80 - 120
2-Chlorotoluene	100	87.7	87.7	80 - 120
4-Chlorotoluene	100	104	104	80 - 120
cis-1,2-Dichloroethene	100	101	101	80 - 120
cis-1,3-Dichloropropene	100	109	109	80 - 120
1,2-Dibromo-3-chloropropane	100	113	113	80 - 120
Dibromochloromethane	100	113	113	80 - 120
Dibromoethane	100	106	106	80 - 120
1,2-Dichlorobenzene	100	88.1	88.1	80 - 120
1,3-Dichlorobenzene	100	81.2	81.2	80 - 120
1,4-Dichlorobenzene	100	88.3	88.3	80 - 120
Dichlorodifluoromethane	100	99.1	99.1	80 - 120
1,1-Dichloroethane	100	100	100	80 - 120
1,1-Dichloroethene	100	93.4	93.4	80 - 120
1,2-Dichloropropane	100	106	106	80 - 120
1,3-Dichloropropane	100	115	115	80 - 120
2,2-Dichloropropane	100	110	110	80 - 120

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B

Volatile Organic Compounds by GC/MS
Quality Assurance Report

Client: QA/QC
Sample ID: Daily Calibration
Laboratory Number: 06-19 QA/QC

page 2

Parameter	Concentration - (ug/L)	Result	% Recovered	% Recovery Limits
1,1-Dichloropropene	100	114	114	80 - 120
Hexachlorobutadiene	100	95.2	95.2	80 - 120
Isopropylbenzene	100	99.1	99.1	80 - 120
4-Isopropyltoluene	100	89.1	89.1	80 - 120
Methylene Chloride	100	105	105	80 - 120
n-Butylbenzene	100	82.9	82.9	80 - 120
n-Propylbenzene	100	92.6	92.6	80 - 120
sec-Butylbenzene	100	94.1	94.1	80 - 120
Styrene	100	88.9	88.9	80 - 120
tert-Butylbenzene	100	95.9	95.9	80 - 120
Tetrachloroethene (PCE)	100	106	106	80 - 120
1,1,1,2-Tetrachloroethane	100	112	112	80 - 120
1,1,2,2-Tetrachloroethane	100	104	104	80 - 120
trans-1,2-Dichloroethene	100	95.4	95.4	80 - 120
trans-1,3-Dichloropropene	100	111	111	80 - 120
Trichloroethene (TCE)	100	112	112	80 - 120
Trichlorofluoromethane	100	93.0	93.0	80 - 120
1,2,3-Trichlorobenzene	100	101	101	80 - 120
1,2,4-Trichlorobenzene	100	101	101	80 - 120
1,1,1-Trichloroethane	100	113	113	80 - 120
1,1,2-Trichloroethane	100	99.4	99.4	80 - 120
1,2,3-Trichloropropane	100	108	108	80 - 120
Vinyl Chloride	100	93.3	93.3	80 - 120

Surrogates:			Rec. Limits
Dibromofluoromethane	114	% Recovery	78.6-115
1,2-Dichloroethane-d4	118	% Recovery	74.6-123
Toluene-d8	88.8	% Recovery	84.2-115
4-Bromofluorobenzene	89.8	% Recovery	78.6-115

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: QA/QC for Samples 45921 - 45925.

Analyst

Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B Volatile Organic Compounds by GC/MS Quality Assurance Report

Client: QA/QC
Sample ID: Matrix Spikes
Laboratory Number: 06-19-VOA - 45921
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 06-24-08
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06-19-08
Analysis Requested: 8260 VOC

Spike Analyte	Units: ug/Kg		Result	%Recovery	Recovery Limits	Det. Limit
	Sample	Added				
Benzene	ND	100.0	91.6	91.6%	85.3 - 120	1.0
Toluene	ND	100.0	97.0	97.0%	73 - 123	1.0
Chlorobenzene	ND	100.0	92.3	92.3%	84.7 - 119	1.0
1,1-Dichloroethene	ND	100.0	99.5	99.5%	83.4 - 122	1.0
Trichloroethene (TCE)	ND	100.0	98.5	98.5%	76.1 - 126	1.0

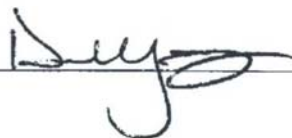
Spike Duplicate Analyte	Units: ug/Kg		Result	%Recovery	Recovery Limits	Det. Limit
	Sample	Added				
Benzene	ND	100.0	93.5	93.5%	85.3 - 120	1.0
Toluene	ND	100.0	98.5	99%	73 - 123	1.0
Chlorobenzene	ND	100.0	119	119%	84.7 - 119	1.0
1,1-Dichloroethene	ND	100.0	92.9	92.9%	83.4 - 122	1.0
Trichloroethene (TCE)	ND	100.0	91.5	92%	76.1 - 126	1.0

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: QA/QC for Samples 45921 - 45925.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-0204
Sample ID:	NE	Date Reported:	06-27-08
Laboratory Number:	45921	Date Sampled:	05-16-08
Chain of Custody No:	4593	Date Received:	05-16-08
Sample Matrix:	Soil	Date Extracted:	05-19-08
Preservative:	Cool	Date Analyzed:	05-23-08
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons

74.3

5.0

ND = Parameter not detected at the stated detection limit.

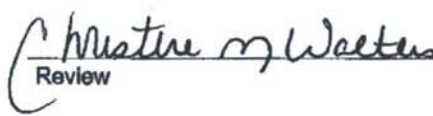
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-0204
Sample ID:	NW	Date Reported:	06-27-08
Laboratory Number:	45922	Date Sampled:	05-16-08
Chain of Custody No:	4593	Date Received:	05-16-08
Sample Matrix:	Soil	Date Extracted:	05-19-08
Preservative:	Cool	Date Analyzed:	05-23-08
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

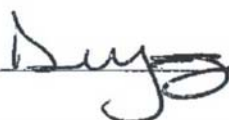
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	18.5	5.0

ND = Parameter not detected at the stated detection limit.

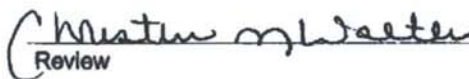
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-0204
Sample ID:	SE	Date Reported:	06-27-08
Laboratory Number:	45923	Date Sampled:	05-16-08
Chain of Custody No:	4593	Date Received:	05-16-08
Sample Matrix:	Soil	Date Extracted:	05-19-08
Preservative:	Cool	Date Analyzed:	05-23-08
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

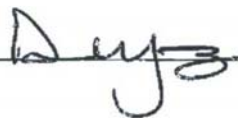
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	17.2	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-0204
Sample ID:	SW	Date Reported:	06-27-08
Laboratory Number:	45924	Date Sampled:	05-16-08
Chain of Custody No:	4593	Date Received:	05-16-08
Sample Matrix:	Soil	Date Extracted:	05-19-08
Preservative:	Cool	Date Analyzed:	05-23-08
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

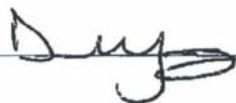
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	15.8	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Gwk Chevron	Project #:	92270-0204
Sample ID:	SW Background	Date Reported:	06-27-08
Laboratory Number:	45925	Date Sampled:	05-16-08
Chain of Custody No:	4593	Date Received:	05-16-08
Sample Matrix:	Soil	Date Extracted:	05-19-08
Preservative:	Cool	Date Analyzed:	05-23-08
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	15.8	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: La Plata Pond.

Analyst

Review

* Sample ID was not changed for final report see next page for justification on changing name based on Sample #

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Method 418.1 Analysis Log Total Petroleum Hydrocarbon

Date 6/23/08

Analyst WJ

No.	Sample #	Sample Wt. (g)	Vol. Freon	Dilution	Abs. Read	PPM TPH
	45921	5.00	20.0 ml	1	.011	74.3
	45921 ^{PUP}	5.00		1	.012	81.1
	45921 ^{SPK}	5.00		1	.320	2160
	45922	5.00		1	.002	18.5
	45923	5.00		1	.0018	17.2
	45924	5.00		1	.0016	15.8
	45925	5.00		1	.0016	15.8
	45952	5.00		1	.0166	112
	45953	5.00		1	.0128	86.5
	45954	5.00		1	.028	189
	45955	5.00		1	.010	67.5
	46007	5.00		1	.490	
	Blank			1	.0003	

Infrared Spectrophotometer Calibration

New Freon ☒
Redistilled Freon ☐

Distillation Date _____

Date Standards Prepared 3/08

Standard Concentration mg/L	Absorbance
100	_____
200	_____
500	_____
1000	<u>.315</u>

If Calibration is C-Cal. Date of the
I-Cal that I-Cal Response Factor Refers To:
I-CAL Date _____

I-CAL RF: _____
RSD: _____ %

C-CAL RF: _____
% Difference _____ %

QA/QC Acceptance Criteria: I-Cal RSD +/- 20%

C-Cal Difference +/- 10%

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	06-27-08
Laboratory Number:	06-23-TPH.QA/QC 45921	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	06-23-08
Preservative:	N/A	Date Extracted:	06-19-08
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
	02-18-08	06-23-08	1,689	1,587	6.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	5.0

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	74.3	81.1	9.2%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	74.3	2,000	2,160	104%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 45921 - 45925, 45952 - 45955 and 46007.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Chevron	Project #:	92270-0204
Sample ID:	NE	Date Reported:	06-30-08
Laboratory Number:	45921	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-20-08
Preservative:	Cool	Date Digested:	06-19-08
Condition:	Cool & Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	0.022	0.001
Barium	18.7	0.001
Cadmium	0.007	0.001
Chromium	0.693	0.001
Copper	0.201	0.001
Iron	33.8	0.001
Lead	0.220	0.001
Manganese	0.889	0.001
Mercury	0.001	0.001
Selenium	0.022	0.001
Silver	ND	0.001
Zinc	1.01	0.001

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Chevron	Project #:	92270-0204
Sample ID:	NW	Date Reported:	06-30-08
Laboratory Number:	45922	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-20-08
Preservative:	Cool	Date Digested:	06-19-08
Condition:	Cool & Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	0.022	0.001
Barium	18.3	0.001
Cadmium	0.023	0.001
Chromium	0.785	0.001
Copper	1.90	0.001
Iron	30.3	0.001
Lead	0.225	0.001
Manganese	0.863	0.001
Mercury	ND	0.001
Selenium	ND	0.001
Silver	ND	0.001
Zinc	1.23	0.001

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Chevron	Project #:	92270-0204
Sample ID:	SE	Date Reported:	06-30-08
Laboratory Number:	45923	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-20-08
Preservative:	Cool	Date Digested:	06-19-08
Condition:	Cool & Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	0.026	0.001
Barium	21.6	0.001
Cadmium	0.010	0.001
Chromium	0.767	0.001
Copper	1.71	0.001
Iron	32.9	0.001
Lead	0.224	0.001
Manganese	1.01	0.001
Mercury	ND	0.001
Selenium	ND	0.001
Silver	ND	0.001
Zinc	1.13	0.001

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Chevron	Project #:	92270-0204
Sample ID:	SW	Date Reported:	06-30-08
Laboratory Number:	45924	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-20-08
Preservative:	Cool	Date Digested:	06-19-08
Condition:	Cool & Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	ND	0.001
Barium	18.4	0.001
Cadmium	0.008	0.001
Chromium	0.728	0.001
Copper	1.68	0.001
Iron	32.9	0.001
Lead	0.226	0.001
Manganese	0.823	0.001
Mercury	ND	0.001
Selenium	ND	0.001
Silver	ND	0.001
Zinc	1.05	0.001

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Chevron	Project #:	92270-0204
Sample ID:	Background	Date Reported:	06-30-08
Laboratory Number:	45925	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Analyzed:	06-20-08
Preservative:	Cool	Date Digested:	06-19-08
Condition:	Cool & Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	ND	0.001
Barium	17.4	0.001
Cadmium	0.008	0.001
Chromium	1.306	0.001
Copper	1.82	0.001
Iron	19.3	0.001
Lead	0.263	0.001
Manganese	0.949	0.001
Mercury	ND	0.001
Selenium	ND	0.001
Silver	ND	0.001
Zinc	1.10	0.001

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-20-TM QA/QC	Date Reported:	06-30-08
Laboratory Number:	45921	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	06-20-08
Condition:	N/A	Date Digested:	06-19-08

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.022	0.020	8.1%	0% - 30%
Barium	ND	ND	0.001	18.7	17.9	4.4%	0% - 30%
Cadmium	ND	ND	0.001	0.007	0.006	6.2%	0% - 30%
Chromium	ND	ND	0.001	0.693	0.683	1.5%	0% - 30%
Copper	ND	ND	0.001	2.01	2.00	0.3%	0% - 30%
Iron	ND	ND	0.001	33.8	33.8	0.0%	0% - 30%
Lead	ND	ND	0.001	0.220	0.220	0.0%	0% - 30%
Manganese	ND	ND	0.001	0.889	0.890	0.1%	0% - 30%
Mercury	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.022	0.021	1.4%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Zinc	ND	ND	0.001	1.01	1.11	9.9%	0% - 30%

Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.250	0.022	0.285	105%	80% - 120%
Barium	0.500	18.7	19.5	101%	80% - 120%
Cadmium	0.250	0.007	0.258	100.5%	80% - 120%
Chromium	0.500	0.693	1.20	101%	80% - 120%
Copper	0.500	2.007	2.61	104%	80% - 120%
Iron	0.500	33.8	35.2	103%	80% - 120%
Lead	0.100	0.220	0.361	113%	80% - 120%
Manganese	0.500	0.889	1.49	107%	80% - 120%
Mercury	0.100	0.001	0.105	104%	80% - 120%
Selenium	0.100	0.022	0.135	111%	80% - 120%
Silver	0.100	ND	0.096	96.0%	80% - 120%
Zinc	0.500	1.01	1.65	109%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 45921- 45925.

Analyst 

Review 

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Water Analysis

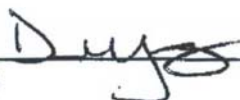
Client:	Chevron	Project #:	92270-0204
Sample ID:	NE	Date Reported:	06-24-08
Laboratory Number:	45921	Date Sampled:	06-16-08
Sample Matrix:	Soil Extract	Date Received:	06-16-08
Preservative:	Cool	Date Analyzed:	06-20-08
Condition:	Cool & Intact	Chain of Custody:	4593

Parameter	Analytical Result	Units
pH	8.08	su
Total Dissolved Solids @ 180C	950	mg/L
Nitrate Nitrogen	1.7	mg/L
Cyanide	<0.1	mg/L
Fluoride	5.70	mg/L
Chloride	65.0	mg/L
Sulfate	322	mg/L

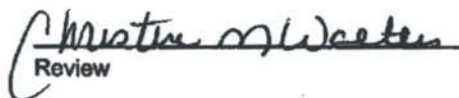
Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Water Analysis

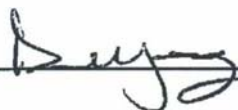
Client:	Chevron	Project #:	92270-0204
Sample ID:	NW	Date Reported:	06-24-08
Laboratory Number:	45922	Date Sampled:	06-16-08
Sample Matrix:	Soil Extract	Date Received:	06-16-08
Preservative:	Cool	Date Analyzed:	06-20-08
Condition:	Cool & Intact	Chain of Custody:	4593

Parameter	Analytical Result	Units
pH	8.84	su
Total Dissolved Solids @ 180C	710	mg/L
Nitrate Nitrogen	0.5	mg/L
Cyanide	<0.1	mg/L
Fluoride	4.22	mg/L
Chloride	73.0	mg/L
Sulfate	273	mg/L

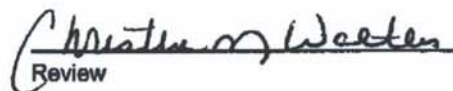
Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **La Plata Pond.**

Analyst



Review



ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Water Analysis

Client:	Chevron	Project #:	92270-0204
Sample ID:	SE	Date Reported:	06-24-08
Laboratory Number:	45923	Date Sampled:	06-16-08
Sample Matrix:	Soil Extract	Date Received:	06-16-08
Preservative:	Cool	Date Analyzed:	06-20-08
Condition:	Cool & Intact	Chain of Custody:	4593

Parameter	Analytical Result	Units
pH	8.37	su
Total Dissolved Solids @ 180C	1,060	mg/L
Nitrate Nitrogen	2.2	mg/L
Cyanide	<0.1	mg/L
Fluoride	3.78	mg/L
Chloride	82.0	mg/L
Sulfate	345	mg/L

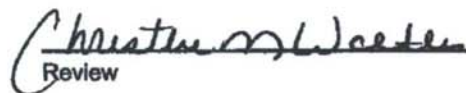
Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Water Analysis

Client:	Chevron	Project #:	92270-0204
Sample ID:	SW	Date Reported:	06-24-08
Laboratory Number:	45924	Date Sampled:	06-16-08
Sample Matrix:	Soil Extract	Date Received:	06-16-08
Preservative:	Cool	Date Analyzed:	06-20-08
Condition:	Cool & Intact	Chain of Custody:	4593

Parameter	Analytical Result	Units
pH	8.26	su
Total Dissolved Solids @ 180C	1,130	mg/L
Nitrate Nitrogen	1.3	mg/L
Cyanide	<0.1	mg/L
Fluoride	5.60	mg/L
Chloride	73.0	mg/L
Sulfate	341	mg/L

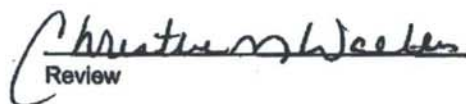
Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Water Analysis

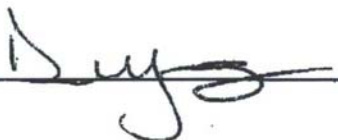
Client:	Chevron	Project #:	92270-0204
Sample ID:	Background	Date Reported:	06-24-08
Laboratory Number:	45925	Date Sampled:	06-16-08
Sample Matrix:	Soil Extract	Date Received:	06-16-08
Preservative:	Cool	Date Analyzed:	06-20-08
Condition:	Cool & Intact	Chain of Custody:	4593

Parameter	Analytical Result	Units
pH	7.88	su
Total Dissolved Solids @ 180C	1,310	mg/L
Nitrate Nitrogen	3.5	mg/L
Cyanide	<0.1	mg/L
Fluoride	<0.1	mg/L
Chloride	15.0	mg/L
Sulfate	<0.1	mg/L

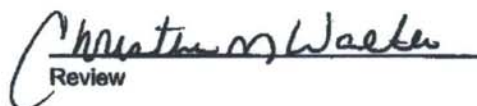
Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8270 PHENOLS

Client:	Chevron	Project #:	92270-0204
Sample ID:	NE	Date Reported:	07-10-08
Laboratory Number:	45921	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Extracted:	06-25-08
Preservative:	Cool	Date Analyzed:	07-07-08
Condition:	Intact	Analysis Requested:	Phenols

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.005	200
p,m-Cresol	ND	0.005	200
2,4,6-Trichlorophenol	ND	0.005	2.0
2,4,5-Trichlorophenol	ND	0.005	400
Pentachlorophenol	ND	0.005	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98.0%
	2,4,6-Tribromophenol	97.0%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8270, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **La Plata Pond.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8270 PHENOLS

Client:	Chevron	Project #:	92270-0204
Sample ID:	NW	Date Reported:	07-10-08
Laboratory Number:	45922	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Extracted:	06-25-08
Preservative:	Cool	Date Analyzed:	07-07-08
Condition:	Intact	Analysis Requested:	Phenols

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.005	200
p,m-Cresol	ND	0.005	200
2,4,6-Trichlorophenol	ND	0.005	2.0
2,4,5-Trichlorophenol	ND	0.005	400
Pentachlorophenol	ND	0.005	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98.0%
	2,4,6-Tribromophenol	97.0%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8270, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8270 PHENOLS

Client:	Chevron	Project #:	92270-0204
Sample ID:	SE	Date Reported:	07-10-08
Laboratory Number:	45923	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Extracted:	06-25-08
Preservative:	Cool	Date Analyzed:	07-07-08
Condition:	Intact	Analysis Requested:	Phenols

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.005	200
p,m-Cresol	ND	0.005	200
2,4,6-Trichlorophenol	ND	0.005	2.0
2,4,5-Trichlorophenol	ND	0.005	400
Pentachlorophenol	ND	0.005	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98.0%
	2,4,6-Tribromophenol	97.0%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8270, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: La Plata Pond.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8270 PHENOLS

Client:	Chevron	Project #:	92270-0204
Sample ID:	SW	Date Reported:	07-10-08
Laboratory Number:	45924	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Extracted:	06-25-08
Preservative:	Cool	Date Analyzed:	07-07-08
Condition:	Intact	Analysis Requested:	Phenols

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.005	200
p,m-Cresol	ND	0.005	200
2,4,6-Trichlorophenol	ND	0.005	2.0
2,4,5-Trichlorophenol	ND	0.005	400
Pentachlorophenol	ND	0.005	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98.0%
	2,4,6-Tribromophenol	97.0%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8270, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: La Plata Pond.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8270 PHENOLS

Client:	Chevron	Project #:	92270-0204
Sample ID:	Background	Date Reported:	07-10-08
Laboratory Number:	45925	Date Sampled:	06-16-08
Chain of Custody:	4593	Date Received:	06-16-08
Sample Matrix:	Soil	Date Extracted:	06-25-08
Preservative:	Cool	Date Analyzed:	07-07-08
Condition:	Intact	Analysis Requested:	Phenols

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.005	200
p,m-Cresol	ND	0.005	200
2,4,6-Trichlorophenol	ND	0.005	2.0
2,4,5-Trichlorophenol	ND	0.005	400
Pentachlorophenol	ND	0.005	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98.0%
	2,4,6-Tribromophenol	97.0%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8270, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **La Plata Pond.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8270

PHENOLS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	07-07-TCA QA/QC -	Date Reported:	07-10-08
Laboratory Number:	45921	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-07-08
Condition:	N/A	Analysis Requested:	Phenols

Blanks & Duplicate Conc (mg/Kg)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
o-Cresol	ND	ND	0.005	ND	ND	0.0%
p,m-Cresol	ND	ND	0.005	ND	ND	0.0%
2,4,6-Trichlorophenol	ND	ND	0.005	ND	ND	0.0%
2,4,5-Trichlorophenol	ND	ND	0.005	ND	ND	0.0%
Pentachlorophenol	ND	ND	0.005	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8041, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for Sample 45921 - 45925.

Analyst

Review

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Hall Environmental Analysis Laboratory, Inc.

Date: 16-Jul-08

CLIENT: Envirotech
Lab Order: 0806294
Project: Chevron
Lab ID: 0806294-01

Client Sample ID: 45921/NE
Collection Date: 6/16/2008
Date Received: 6/19/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8082: PCB'S						Analyst: JAT
Aroclor 1016	ND	0.020		mg/Kg	1	7/2/2008 4:17:21 PM
Aroclor 1221	ND	0.020		mg/Kg	1	7/2/2008 4:17:21 PM
Aroclor 1232	ND	0.020		mg/Kg	1	7/2/2008 4:17:21 PM
Aroclor 1242	ND	0.020		mg/Kg	1	7/2/2008 4:17:21 PM
Aroclor 1248	ND	0.020		mg/Kg	1	7/2/2008 4:17:21 PM
Aroclor 1254	ND	0.020		mg/Kg	1	7/2/2008 4:17:21 PM
Aroclor 1260	ND	0.020		mg/Kg	1	7/2/2008 4:17:21 PM
Surr: Decachlorobiphenyl	44.4	15.8-133		%REC	1	7/2/2008 4:17:21 PM
EPA METHOD 8310: PAHS						Analyst: DMF
Naphthalene	ND	0.25		mg/Kg	1	7/1/2008 8:13:32 AM
1-Methylnaphthalene	ND	0.25		mg/Kg	1	7/1/2008 8:13:32 AM
2-Methylnaphthalene	ND	0.25		mg/Kg	1	7/1/2008 8:13:32 AM
Acenaphthylene	ND	0.25		mg/Kg	1	7/1/2008 8:13:32 AM
Acenaphthene	ND	0.25		mg/Kg	1	7/1/2008 8:13:32 AM
Fluorene	ND	0.030		mg/Kg	1	7/1/2008 8:13:32 AM
Phenanthrene	ND	0.015		mg/Kg	1	7/1/2008 8:13:32 AM
Anthracene	ND	0.015		mg/Kg	1	7/1/2008 8:13:32 AM
Fluoranthene	ND	0.020		mg/Kg	1	7/1/2008 8:13:32 AM
Pyrene	ND	0.025		mg/Kg	1	7/1/2008 8:13:32 AM
Benz(a)anthracene	ND	0.010		mg/Kg	1	7/1/2008 8:13:32 AM
Chrysene	ND	0.011		mg/Kg	1	7/1/2008 8:13:32 AM
Benzo(b)fluoranthene	ND	0.010		mg/Kg	1	7/1/2008 8:13:32 AM
Benzo(k)fluoranthene	ND	0.010		mg/Kg	1	7/1/2008 8:13:32 AM
Benzo(a)pyrene	ND	0.010		mg/Kg	1	7/1/2008 8:13:32 AM
Dibenz(a,h)anthracene	ND	0.010		mg/Kg	1	7/1/2008 8:13:32 AM
Benzo(g,h,i)perylene	ND	0.010		mg/Kg	1	7/1/2008 8:13:32 AM
Indeno(1,2,3-cd)pyrene	ND	0.10		mg/Kg	1	7/1/2008 8:13:32 AM
Surr: Benzo(e)pyrene	70.5	40.7-93.1		%REC	1	7/1/2008 8:13:32 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 16-Jul-08

CLIENT: Envirotech
Lab Order: 0806294
Project: Chevron
Lab ID: 0806294-02

Client Sample ID: 45922/NW
Collection Date: 6/16/2008
Date Received: 6/19/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8082: PCB'S						Analyst: JAT
Aroclor 1018	ND	0.020		mg/Kg	1	7/3/2008 7:08:34 AM
Aroclor 1221	ND	0.020		mg/Kg	1	7/3/2008 7:08:34 AM
Aroclor 1232	ND	0.020		mg/Kg	1	7/3/2008 7:08:34 AM
Aroclor 1242	ND	0.020		mg/Kg	1	7/3/2008 7:08:34 AM
Aroclor 1248	ND	0.020		mg/Kg	1	7/3/2008 7:08:34 AM
Aroclor 1254	ND	0.020		mg/Kg	1	7/3/2008 7:08:34 AM
Aroclor 1280	ND	0.020		mg/Kg	1	7/3/2008 7:08:34 AM
Surr: Decachlorobiphenyl	39.2	15.8-133		%REC	1	7/3/2008 7:08:34 AM
EPA METHOD 8310: PAHS						Analyst: DMF
Naphthalene	ND	0.25		mg/Kg	1	7/1/2008 7:01:32 AM
1-Methylnaphthalene	ND	0.25		mg/Kg	1	7/1/2008 7:01:32 AM
2-Methylnaphthalene	ND	0.25		mg/Kg	1	7/1/2008 7:01:32 AM
Acenaphthylene	ND	0.25		mg/Kg	1	7/1/2008 7:01:32 AM
Acenaphthene	ND	0.25		mg/Kg	1	7/1/2008 7:01:32 AM
Fluorene	ND	0.030		mg/Kg	1	7/1/2008 7:01:32 AM
Phenanthrene	ND	0.015		mg/Kg	1	7/1/2008 7:01:32 AM
Anthracene	ND	0.015		mg/Kg	1	7/1/2008 7:01:32 AM
Fluoranthene	ND	0.020		mg/Kg	1	7/1/2008 7:01:32 AM
Pyrene	ND	0.025		mg/Kg	1	7/1/2008 7:01:32 AM
Benz(a)anthracene	ND	0.010		mg/Kg	1	7/1/2008 7:01:32 AM
Chrysene	ND	0.011		mg/Kg	1	7/1/2008 7:01:32 AM
Benzo(b)fluoranthene	ND	0.010		mg/Kg	1	7/1/2008 7:01:32 AM
Benzo(k)fluoranthene	ND	0.010		mg/Kg	1	7/1/2008 7:01:32 AM
Benzo(a)pyrene	ND	0.010		mg/Kg	1	7/1/2008 7:01:32 AM
Dibenz(a,h)anthracene	ND	0.010		mg/Kg	1	7/1/2008 7:01:32 AM
Benzo(g,h,i)perylene	ND	0.010		mg/Kg	1	7/1/2008 7:01:32 AM
Indeno(1,2,3-cd)pyrene	ND	0.10		mg/Kg	1	7/1/2008 7:01:32 AM
Surr: Benzo(e)pyrene	59.0	40.7-83.1		%REC	1	7/1/2008 7:01:32 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 16-Jul-08

CLIENT: Envirotech
Lab Order: 0806294
Project: Chevron
Lab ID: 0806294-03

Client Sample ID: 45923/SE
Collection Date: 6/16/2008
Date Received: 6/19/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8082: PCB'S						Analyst: JAT
Aroclor 1018	ND	0.020		mg/Kg	1	7/3/2008 7:55:39 AM
Aroclor 1221	ND	0.020		mg/Kg	1	7/3/2008 7:55:39 AM
Aroclor 1232	ND	0.020		mg/Kg	1	7/3/2008 7:55:39 AM
Aroclor 1242	ND	0.020		mg/Kg	1	7/3/2008 7:55:39 AM
Aroclor 1248	ND	0.020		mg/Kg	1	7/3/2008 7:55:39 AM
Aroclor 1254	ND	0.020		mg/Kg	1	7/3/2008 7:55:39 AM
Aroclor 1260	ND	0.020		mg/Kg	1	7/3/2008 7:55:39 AM
Surr: Decachlorobiphenyl	55.2	15.8-133		%REC	1	7/3/2008 7:55:39 AM
EPA METHOD 8310: PAHS						Analyst: DMF
Naphthalene	ND	0.25		mg/Kg	1	7/1/2008 7:49:34 AM
1-Methylnaphthalene	ND	0.25		mg/Kg	1	7/1/2008 7:49:34 AM
2-Methylnaphthalene	ND	0.25		mg/Kg	1	7/1/2008 7:49:34 AM
Acenaphthylene	ND	0.25		mg/Kg	1	7/1/2008 7:49:34 AM
Acenaphthene	ND	0.25		mg/Kg	1	7/1/2008 7:49:34 AM
Fluorene	ND	0.030		mg/Kg	1	7/1/2008 7:49:34 AM
Phenanthrene	ND	0.015		mg/Kg	1	7/1/2008 7:49:34 AM
Anthracene	ND	0.015		mg/Kg	1	7/1/2008 7:49:34 AM
Fluoranthene	ND	0.020		mg/Kg	1	7/1/2008 7:49:34 AM
Pyrene	ND	0.025		mg/Kg	1	7/1/2008 7:49:34 AM
Benz(a)anthracene	ND	0.010		mg/Kg	1	7/1/2008 7:49:34 AM
Chrysene	ND	0.011		mg/Kg	1	7/1/2008 7:49:34 AM
Benzo(b)fluoranthene	ND	0.010		mg/Kg	1	7/1/2008 7:49:34 AM
Benzo(k)fluoranthene	ND	0.010		mg/Kg	1	7/1/2008 7:49:34 AM
Benzo(a)pyrene	ND	0.010		mg/Kg	1	7/1/2008 7:49:34 AM
Dibenz(a,h)anthracene	ND	0.010		mg/Kg	1	7/1/2008 7:49:34 AM
Benzo(g,h,i)perylene	ND	0.010		mg/Kg	1	7/1/2008 7:49:34 AM
Indeno(1,2,3-cd)pyrene	ND	0.10		mg/Kg	1	7/1/2008 7:49:34 AM
Surr: Benzo(e)pyrene	63.4	40.7-93.1		%REC	1	7/1/2008 7:49:34 AM

Qualifiers:

- Value exceeds Maximum Contaminant Level
- B Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 16-Jul-08

CLIENT: Envirotech
Lab Order: 0806294
Project: Chevron
Lab ID: 0806294-04

Client Sample ID: 45924/SW
Collection Date: 6/16/2008
Date Received: 6/19/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8082: PCB'S						Analyst: JAT
Aroclor 1018	ND	0.020		mg/Kg	1	7/3/2008 8:48:35 AM
Aroclor 1221	ND	0.020		mg/Kg	1	7/3/2008 8:48:35 AM
Aroclor 1232	ND	0.020		mg/Kg	1	7/3/2008 8:48:35 AM
Aroclor 1242	ND	0.020		mg/Kg	1	7/3/2008 8:48:35 AM
Aroclor 1248	ND	0.020		mg/Kg	1	7/3/2008 8:48:35 AM
Aroclor 1254	ND	0.020		mg/Kg	1	7/3/2008 8:48:35 AM
Aroclor 1260	ND	0.020		mg/Kg	1	7/3/2008 8:48:35 AM
Surr: Decachlorobiphenyl	63.2	15.8-133		%REC	1	7/3/2008 8:48:35 AM
EPA METHOD 8310: PAHS						Analyst: DMF
Naphthalene	ND	0.25		mg/Kg	1	7/1/2008 8:37:35 AM
1-Methylnaphthalene	ND	0.25		mg/Kg	1	7/1/2008 8:37:35 AM
2-Methylnaphthalene	ND	0.25		mg/Kg	1	7/1/2008 8:37:35 AM
Acenaphthylene	ND	0.25		mg/Kg	1	7/1/2008 8:37:35 AM
Acenaphthene	ND	0.25		mg/Kg	1	7/1/2008 8:37:35 AM
Fluorene	ND	0.030		mg/Kg	1	7/1/2008 8:37:35 AM
Phenanthrene	ND	0.015		mg/Kg	1	7/1/2008 8:37:35 AM
Anthracene	ND	0.015		mg/Kg	1	7/1/2008 8:37:35 AM
Fluoranthene	ND	0.020		mg/Kg	1	7/1/2008 8:37:35 AM
Pyrene	ND	0.025		mg/Kg	1	7/1/2008 8:37:35 AM
Benz(a)anthracene	ND	0.010		mg/Kg	1	7/1/2008 8:37:35 AM
Chrysene	ND	0.011		mg/Kg	1	7/1/2008 8:37:35 AM
Benzo(b)fluoranthene	ND	0.010		mg/Kg	1	7/1/2008 8:37:35 AM
Benzo(k)fluoranthene	ND	0.010		mg/Kg	1	7/1/2008 8:37:35 AM
Benzo(a)pyrene	ND	0.010		mg/Kg	1	7/1/2008 8:37:35 AM
Dibenz(a,h)anthracene	ND	0.010		mg/Kg	1	7/1/2008 8:37:35 AM
Benzo(g,h,i)perylene	ND	0.010		mg/Kg	1	7/1/2008 8:37:35 AM
Indeno(1,2,3-cd)pyrene	ND	0.10		mg/Kg	1	7/1/2008 8:37:35 AM
Surr: Benzo(e)pyrene	51.6	40.7-93.1		%REC	1	7/1/2008 8:37:35 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 16-Jul-08

CLIENT: Envirotech
Lab Order: 0806294
Project: Chevron
Lab ID: 0806294-05

Client Sample ID: 45925/Background
Collection Date: 6/16/2008
Date Received: 6/19/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8082: PCB'S						Analyst: JAT
Aroclor 1016	ND	0.020		mg/Kg	1	7/3/2008 9:34:44 AM
Aroclor 1221	ND	0.020		mg/Kg	1	7/3/2008 9:34:44 AM
Aroclor 1232	ND	0.020		mg/Kg	1	7/3/2008 9:34:44 AM
Aroclor 1242	ND	0.020		mg/Kg	1	7/3/2008 9:34:44 AM
Aroclor 1248	ND	0.020		mg/Kg	1	7/3/2008 9:34:44 AM
Aroclor 1254	ND	0.020		mg/Kg	1	7/3/2008 9:34:44 AM
Aroclor 1260	ND	0.020		mg/Kg	1	7/3/2008 9:34:44 AM
Surr: Decachlorobiphenyl	76.2	15.8-133		%REC	1	7/3/2008 9:34:44 AM
EPA METHOD 8310: PAHS						Analyst: DMF
Naphthalene	ND	0.25		mg/Kg	1	7/1/2008 9:25:36 AM
1-Methylnaphthalene	ND	0.25		mg/Kg	1	7/1/2008 9:25:36 AM
2-Methylnaphthalene	ND	0.25		mg/Kg	1	7/1/2008 9:25:36 AM
Acenaphthylene	ND	0.25		mg/Kg	1	7/1/2008 9:25:36 AM
Acenaphthene	ND	0.25		mg/Kg	1	7/1/2008 9:25:36 AM
Fluorene	ND	0.030		mg/Kg	1	7/1/2008 9:25:36 AM
Phenanthrene	ND	0.015		mg/Kg	1	7/1/2008 9:25:36 AM
Anthracene	ND	0.015		mg/Kg	1	7/1/2008 9:25:36 AM
Fluoranthene	ND	0.020		mg/Kg	1	7/1/2008 9:25:36 AM
Pyrene	ND	0.025		mg/Kg	1	7/1/2008 9:25:36 AM
Benzo(a)anthracene	ND	0.010		mg/Kg	1	7/1/2008 9:25:36 AM
Chrysene	ND	0.011		mg/Kg	1	7/1/2008 9:25:36 AM
Benzo(b)fluoranthene	ND	0.010		mg/Kg	1	7/1/2008 9:25:36 AM
Benzo(k)fluoranthene	ND	0.010		mg/Kg	1	7/1/2008 9:25:36 AM
Benzo(a)pyrene	ND	0.010		mg/Kg	1	7/1/2008 9:25:36 AM
Dibenz(a,h)anthracene	ND	0.010		mg/Kg	1	7/1/2008 9:25:36 AM
Benzo(g,h,i)perylene	ND	0.010		mg/Kg	1	7/1/2008 9:25:36 AM
Indeno(1,2,3-cd)pyrene	ND	0.10		mg/Kg	1	7/1/2008 9:25:36 AM
Surr: Benzo(e)pyrene	38.6	40.7-93.1	S	%REC	1	7/2/2008 8:50:32 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
B Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

BENCHMARK ANALYTICS, INC.
4777 Saucon Creek Road
Center Valley, PA 18034-9004

Work Order: 08063010

PHONE (610) 974-8100
FAX (610) 974-8104

SEND DATA TO:

NAME: Andy Freeman
COMPANY: Hall Environmental Analysis Lab, Inc.
ADDRESS: 4901 Hawkins NE, Suite D
Albuquerque, NM 87109-4372

WO#: 08063010

PAGE: 1 of 2

PO#:

PWS ID#

PHONE: (505) 345-3975
FAX: (505) 345-4107

TEST REPORT

0806294

RECEIVED FOR LAB BY: TJM

DATE: 06/20/2008 9:30

Page 1 of 2

SAMPLE: 0806294-01B, 45921/NE

Lab ID: 08063010-001A Grab

SAMPLED BY: Client

Sample Time 06/16/2008 0:00

Test	Result	Uncert.	MDA	Units	Method	MCL	Analysis Start	Analysis End	Analyst
Radium-226	138.2	± 11.84	47.23	pCi/Kg	EPA 903.0		06/27/08 9:05	07/08/08	BH-CV
Radium-228	284.0	± 96.98	134.8	pCi/Kg	EPA 904.0		07/11/08 8:00	07/15/08	CCA-CV

SAMPLE: 0806294-02B, 45922/NW

Lab ID: 08063010-002A Grab

SAMPLED BY: Client

Sample Time 06/16/2008 0:00

Test	Result	Uncert.	MDA	Units	Method	MCL	Analysis Start	Analysis End	Analyst
Radium-226	145.6	± 12.06	47.79	pCi/Kg	EPA 903.0		06/27/08 9:05	07/08/08	BH-CV
Radium-228	193.4	± 110.2	132.4	pCi/Kg	EPA 904.0		07/11/08 8:00	07/15/08	CCA-CV

SAMPLE: 0806294-03B, 45923/SE

Lab ID: 08063010-003A Grab

SAMPLED BY: Client

Sample Time 06/16/2008 0:00

Test	Result	Uncert.	MDA	Units	Method	MCL	Analysis Start	Analysis End	Analyst
Radium-226	156.5	± 12.84	44.84	pCi/Kg	EPA 903.0		06/27/08 9:05	07/08/08	BH-CV
Radium-228	93.78	± 76.42	135.2	pCi/Kg	EPA 904.0		07/11/08 8:00	07/15/08	CCA-CV

SAMPLE: 0806294-04B, 45924/SW

Lab ID: 08063010-004A Grab

SAMPLED BY: Client

Sample Time 06/16/2008 0:00

Test	Result	Uncert.	MDA	Units	Method	MCL	Analysis Start	Analysis End	Analyst
Radium-226	138.6	± 11.92	46.66	pCi/Kg	EPA 903.0		06/27/08 9:05	07/08/08	BH-CV
Radium-228	393.4	± 137.9	132.5	pCi/Kg	EPA 904.0		07/11/08 8:00	07/15/08	CCA-CV

REMARKS:

The above test procedures meet all the requirements of NELAC and relate only to these samples.

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

MANAGER

Ch. Med.

DATE: 7/16/2008

Benchmark Analytics, Inc.4777 Saucon Creek Road
Center Valley, PA 18034

Phone: (610) 974-8100

Fax: (610) 974-8104

Work Order: 08063010

SEND DATA TO:NAME: Andy Freeman
COMPANY: Hall Environmental Analysis Lab, Inc.
ADDRESS: 4901 Hawkins NE, Suite D
Albuquerque, NM 87109-4372

WO#: 08063010

PAGE: 1 of 1

PO#:

PWS ID#

PHONE: (505) 345-3975
FAX: (505) 345-4107**TEST REPORT**

0806294

RECEIVED FOR LAB BY: TJM

DATE: 06/20/2008 9:30

Page 1 of 1

SAMPLE: 0806294-01B, 45921/NE

Lab ID: 08063010-001A Grab

SAMPLED BY: Client

Sample Time: 06/16/2008 0:00

Test	Result	Method	RL	Analysis Start	Analysis End	Analyst
Uranium	987 µg/Kg	EPA 200.8		06/24/08 10:00	06/25/08	JRA-CV
Uranium	661 pCi/Kg	EPA 200.8		06/24/08 10:00	06/25/08	JRA-CV

SAMPLE: 0806294-02B, 45922/NW

Lab ID: 08063010-002A Grab

SAMPLED BY: Client

Sample Time: 06/16/2008 0:00

Test	Result	Method	RL	Analysis Start	Analysis End	Analyst
Uranium	913 µg/Kg	EPA 200.8		06/24/08 10:00	06/25/08	JRA-CV
Uranium	612 pCi/Kg	EPA 200.8		06/24/08 10:00	06/25/08	JRA-CV

SAMPLE: 0806294-03B, 45923/SE

Lab ID: 08063010-003A Grab

SAMPLED BY: Client

Sample Time: 06/16/2008 0:00

Test	Result	Method	RL	Analysis Start	Analysis End	Analyst
Uranium	906 µg/Kg	EPA 200.8		06/24/08 10:00	06/25/08	JRA-CV
Uranium	607 pCi/Kg	EPA 200.8		06/24/08 10:00	06/25/08	JRA-CV

SAMPLE: 0806294-04B, 45924/SW

Lab ID: 08063010-004A Grab

SAMPLED BY: Client

Sample Time: 06/16/2008 0:00

Test	Result	Method	RL	Analysis Start	Analysis End	Analyst
Uranium	852 µg/Kg	EPA 200.8		06/24/08 10:00	06/25/08	JRA-CV
Uranium	671 pCi/Kg	EPA 200.8		06/24/08 10:00	06/25/08	JRA-CV

SAMPLE: 0806294-05B, 45925/Background

Lab ID: 08063010-005A Grab

SAMPLED BY: Client

Sample Time: 06/16/2008 0:00

Test	Result	Method	RL	Analysis Start	Analysis End	Analyst
Uranium	602 µg/Kg	EPA 200.8		06/24/08 10:00	06/25/08	JRA-CV
Uranium	403 pCi/Kg	EPA 200.8		06/24/08 10:00	06/25/08	JRA-CV

REMARKS:

The above test procedures meet all the requirements of NELAC and relate only to these samples.

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

MANAGER

Chimeli

DATE: 7/16/2008

BENCHMARK ANALYTICS, INC.
4777 Saucon Creek Road
Center Valley, PA 18034-9004

Work Order: 08063010

PHONE (610) 974-8100
FAX (610) 974-8104

SEND DATA TO:

NAME: Andy Freeman
COMPANY: Hall Environmental Analysis Lab, Inc.
ADDRESS: 4901 Hawkins NE, Suite D
Albuquerque, NM 87109-4372

WO#: 08063010

PAGE: 2 of 2

PO#:

PWS ID#

PHONE: (505) 345-3975
FAX: (505) 345-4107

TEST REPORT

0806294

RECEIVED FOR LAB BY: TJM

DATE: 08/20/2008 9:30

Page 2 of 2

SAMPLE: 0806294-05B, 45925/Background

Lab ID: 08063010-006A Grab

SAMPLED BY: Client

Sample Time 06/18/2008 0:00

Test	Result	Uncert.	MDA	Units	Method	MCL	Analysis Start	Analysis End	Analyst
Radium-228	283.5	± 16.26	48.05	pCi/Kg	EPA 903.0		08/27/08 9:05	07/08/08	BH-CV
Radium-228	336.5	± 141.1	131.7	pCi/Kg	EPA 904.0		07/11/08 8:00	07/15/08	CCA-CV

REMARKS:

The above test procedures meet all the requirements of NELAC and relate only to these samples.

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

MANAGER

Chameli

DATE: 7/16/2008

Benchmark Analytics, Inc.

Date: 16-Jul-08

CLIENT: Hall Environmental Analysis Lab, Inc.

Work Order: 08063010

Project: 0806294

ANALYTICAL QC SUMMARY REPORT

TestCode: RA226_903.0

Sample ID: BLANK	SampleType: MBLK	TestCode: RA226_903.0	Units: pCi/L	Prep Date:	RunNo: 24702						
Client ID: PBW	Batch ID: R24702	TestNo: E903.0		Analysis Date: 6/27/2008	SeqNo: 465832						
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

0.02

Sample ID: EXTR.BLANK	SampleType: MBLK	TestCode: RA226_903.0	Units: pCi/L	Prep Date:	RunNo: 24702						
Client ID: PBW	Batch ID: R24702	TestNo: E903.0		Analysis Date: 6/27/2008	SeqNo: 465833						
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

-0.02

Sample ID: LCS	SampleType: LCS	TestCode: RA226_903.0	Units: pCi/L	Prep Date:	RunNo: 24702						
Client ID: LCSW	Batch ID: R24702	TestNo: E903.0		Analysis Date: 6/27/2008	SeqNo: 465834						
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

126

Sample ID: LCS DUP1	SampleType: LCS	TestCode: RA226_903.0	Units: pCi/L	Prep Date:	RunNo: 24702						
Client ID: LCS02	Batch ID: R24702	TestNo: E903.0		Analysis Date: 6/27/2008	SeqNo: 465835						
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2.00

Sample ID: LCS DUP2	SampleType: LCS	TestCode: RA226_903.0	Units: pCi/L	Prep Date:	RunNo: 24702						
Client ID: LCS02	Batch ID: R24702	TestNo: E903.0		Analysis Date: 6/27/2008	SeqNo: 465836						
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

5.00

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte reported below quantitation limits
PHQC Sample pH was >2. Due to matrix effects, not all quality
D Limit of detection increased due to matrix interference an
E Value above quantitation range
L Value above calibration range but within annually verified
R RPD outside accepted recovery limits

CLIENT: Hall Environmental Analysis Lab, Inc.
 Work Order: 08063010
 Project: 0806294

ANALYTICAL QC SUMMARY REPORT

TestCode: RA228_904.0

Sample ID: BLANK	SampleType: MIBLK	TestCode: RA228_904.0	Units: pCi/L	Prep Date:	RunNo: 25014						
Client ID: PSW	Batch ID: R25014	TestNo: E904.0		Analysis Date: 7/11/2008	SeqNo: 472390						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

0.28

Sample ID: LCS	SampleType: LCS	TestCode: RA228_904.0	Units: pCi/L	Prep Date:	RunNo: 25014						
Client ID: LCSW	Batch ID: R25014	TestNo: E904.0		Analysis Date: 7/11/2008	SeqNo: 472392						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

10.74

11.42

0

94.0

57

143

Radium-228

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte reported below quantitation limits
 PHQC Sample pH was >2. Due to matrix effects, not all quality
 D Limit of detection increased due to matrix interference an
 L Value above calibration range but within annually verified
 E Value above quantitation range
 Q Due to matrix effects, not all quality control parameters
 R RPD outside accepted recovery limits
 LSP Lead based point is defined as a point with greater than

CLIENT: Hall Environmental Analysis Lab, Inc.
 Work Order: 08063010
 Project: 0806294

ANALYTICAL QC SUMMARY REPORT

TestCode: U_200.8

Sample ID: MBLK ES 062408 A	SampleType: MBLK	TestCode: U_200.8	Units: µg/Kg	Prep Date:	RunNo: 24170						
Client ID: PSW	Batch ID: ES 062408 A	TestNo: E200.8		Analysis Date: 6/24/2008	SeqNo: 455960						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium	< 212	212									

Sample ID: 08063010-001A MS	SampleType: MS	TestCode: U_200.8	Units: µg/Kg	Prep Date:	RunNo: 24170						
Client ID: 0806294-01B, 45521/NE	Batch ID: ES 062408 A	TestNo: E200.8		Analysis Date: 6/24/2008	SeqNo: 455963						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium	16800	220	17620	986.5	90.0	70	130				

Sample ID: 08063010-001A MSD	SampleType: DUP	TestCode: U_200.8	Units: µg/Kg	Prep Date:	RunNo: 24170						
Client ID: 0806294-01B, 45921/NE	Batch ID: ES 062408 A	TestNo: E200.8		Analysis Date: 6/24/2008	SeqNo: 455954						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium	15800	206						0	0	20	X

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte reported below quantitation limits
 PK/QC Sample pH was >2. Due to matrix effects, not all quality
 D Limit of detection increased due to matrix interference as
 L Value above calibration range but within annually verified
 Q Due to matrix effects, not all quality control parameters
 E Value above quantitation range
 LRP Lead based point is defined as a point with greater than
 R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Chevron

Work Order: 0806294

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
---------	--------	-------	-----	------	----------	-----------	------	----------	------

Method: EPA Method 8082: PCB's

Sample ID: MB-16281

MBLK

Batch ID: 16281 Analysis Date: 7/2/2008 1:51:06 PM

Aroclor 1016	ND	mg/Kg	0.020
Aroclor 1221	ND	mg/Kg	0.020
Aroclor 1232	ND	mg/Kg	0.020
Aroclor 1242	ND	mg/Kg	0.020
Aroclor 1248	ND	mg/Kg	0.020
Aroclor 1254	ND	mg/Kg	0.020
Aroclor 1260	ND	mg/Kg	0.020

Sample ID: LCS-16821

LCS

Batch ID: 16281 Analysis Date: 7/2/2008 2:40:10 PM

Aroclor 1221	ND	mg/Kg	0.020
Aroclor 1232	ND	mg/Kg	0.020
Aroclor 1242	ND	mg/Kg	0.020
Aroclor 1248	ND	mg/Kg	0.020
Aroclor 1254	ND	mg/Kg	0.020
Aroclor 1260	0.06070	mg/Kg	0.020

48.6

23.7

105

Sample ID: LCSD-16821

LCSD

Batch ID: 16281 Analysis Date: 7/2/2008 3:28:45 PM

Aroclor 1221	ND	mg/Kg	0.020
Aroclor 1232	ND	mg/Kg	0.020
Aroclor 1242	ND	mg/Kg	0.020
Aroclor 1248	ND	mg/Kg	0.020
Aroclor 1254	ND	mg/Kg	0.020
Aroclor 1260	0.07146	mg/Kg	0.020

57.2

23.7

105

0

0

0

0

0

0

0

0

0

0

16.3

20

Qualifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Chevron

Work Order: 0806294

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8310: PAHs

Sample ID: 0806294-05AMSD

MSD

Batch ID: 18312

Analysis Date:

7/1/2008 11:01:38 AM

Naphthalene	0.3830	mg/Kg	0.25	38.3	17.9	87.1	12.4	20	
1-Methylnaphthalene	0.4088	mg/Kg	0.25	40.9	20.7	66.4	7.66	20	
2-Methylnaphthalene	0.3978	mg/Kg	0.25	39.8	21.4	67.3	8.43	20	
Acenaphthylene	0.4149	mg/Kg	0.25	41.5	26.2	82.1	4.32	20	
Acenaphthene	0.4202	mg/Kg	0.25	42.0	25	74.4	0.770	20	
Fluorene	0.04375	mg/Kg	0.030	43.8	25.2	82	1.15	20	
Phenanthrene	0.02700	mg/Kg	0.015	44.7	25.1	93.9	0	20	
Anthracene	0.02450	mg/Kg	0.015	44.7	25.1	92.6	2.06	20	
Fluoranthene	0.04800	mg/Kg	0.020	47.9	28.5	99	1.05	20	
Pyrene	0.04300	mg/Kg	0.025	43.0	32.3	98.3	7.23	20	
Benzo(a)anthracene	ND	mg/Kg	0.010	45.0	-13.8	187	0	20	
Chrysene	0.02300	mg/Kg	0.011	45.7	45.7	91.4	0	20	
Benzo(b)fluoranthene	ND	mg/Kg	0.010	55.0	42	100	0	20	
Benzo(k)fluoranthene	ND	mg/Kg	0.010	48.0	43.3	98.9	0	20	
Benzo(a)pyrene	ND	mg/Kg	0.010	55.7	46.7	101	0	20	
Dibenz(a,h)anthracene	ND	mg/Kg	0.010	40.0	50.2	97	0	20	S
Benzo(g,h,i)perylene	ND	mg/Kg	0.010	44.0	51.5	101	0	20	S
Indeno(1,2,3-cd)pyrene	ND	mg/Kg	0.10	137	23.2	158	0	20	

Sample ID: MB-18312

MBLK

Batch ID: 18312

Analysis Date:

6/26/2008 1:56:53 AM

Naphthalene	ND	mg/Kg	0.25						
1-Methylnaphthalene	ND	mg/Kg	0.25						
2-Methylnaphthalene	ND	mg/Kg	0.25						
Acenaphthylene	ND	mg/Kg	0.25						
Acenaphthene	ND	mg/Kg	0.25						
Fluorene	ND	mg/Kg	0.030						
Phenanthrene	ND	mg/Kg	0.015						
Anthracene	ND	mg/Kg	0.015						
Fluoranthene	ND	mg/Kg	0.020						
Pyrene	ND	mg/Kg	0.025						
Benzo(a)anthracene	ND	mg/Kg	0.010						
Chrysene	ND	mg/Kg	0.011						
Benzo(b)fluoranthene	ND	mg/Kg	0.010						
Benzo(k)fluoranthene	ND	mg/Kg	0.010						
Benzo(a)pyrene	ND	mg/Kg	0.010						
Dibenz(a,h)anthracene	ND	mg/Kg	0.010						
Benzo(g,h,i)perylene	ND	mg/Kg	0.010						
Indeno(1,2,3-cd)pyrene	ND	mg/Kg	0.10						

Sample ID: LCS-18312

LCS

Batch ID: 18312

Analysis Date:

6/26/2008 2:43:52 AM

Naphthalene	0.7582	mg/Kg	0.25	75.6	30.1	90.4			
1-Methylnaphthalene	0.7880	mg/Kg	0.25	78.8	31.1	88.5			
2-Methylnaphthalene	0.7670	mg/Kg	0.25	76.7	32.2	89			
Acenaphthylene	0.7011	mg/Kg	0.25	70.1	29.5	94.2			
Acenaphthene	0.7748	mg/Kg	0.25	77.5	35.8	89.7			
Fluorene	0.07600	mg/Kg	0.030	76.0	38.9	90.7			

Qualifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Chevron

Work Order: 0806294

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8310: PAHs

Sample ID: LCS-16312

LCS

Batch ID: 16312

Analysis Date: 6/26/2008 2:43:52 AM

Phenanthrene	0.03675	mg/Kg	0.015	73.1	37.2	95.3			
Anthracene	0.03775	mg/Kg	0.015	75.0	37.4	95.4			
Fluoranthene	0.08125	mg/Kg	0.020	81.0	30.4	97.8			
Pyrene	0.08125	mg/Kg	0.025	81.2	33.3	100			
Benz(a)anthracene	ND	mg/Kg	0.010	77.6	38.9	102			
Chrysene	0.03900	mg/Kg	0.011	77.5	24.2	100			
Benzo(b)fluoranthene	ND	mg/Kg	0.010	78.0	35.5	102			
Benzo(k)fluoranthene	ND	mg/Kg	0.010	78.0	30.4	101			
Benzo(a)pyrene	ND	mg/Kg	0.010	75.8	29.6	112			
Dibenz(a,h)anthracene	ND	mg/Kg	0.010	76.0	28.3	108			
Benzo(g,h,i)perylene	ND	mg/Kg	0.010	78.0	21.3	116			
Indeno(1,2,3-cd)pyrene	ND	mg/Kg	0.10	81.9	18.6	112			

Sample ID: LCSD-16312

LCSD

Batch ID: 16312

Analysis Date: 6/26/2008 3:31:56 AM

Naphthalene	0.5798	mg/Kg	0.25	58.0	30.1	90.4	26.4	35	
1-Methylnaphthalene	0.5788	mg/Kg	0.25	57.9	31.1	88.5	28.1	35	
2-Methylnaphthalene	0.5748	mg/Kg	0.25	57.5	32.2	89	28.7	35	
Acenaphthylene	0.5273	mg/Kg	0.25	52.7	28.6	94.2	28.3	35	
Acenaphthene	0.5745	mg/Kg	0.25	57.4	35.6	89.7	29.7	35	
Fluorene	0.05675	mg/Kg	0.030	56.8	36.9	90.7	29.0	35	
Phenanthrene	0.02700	mg/Kg	0.015	53.7	37.2	95.3	30.6	35	
Anthracene	0.02775	mg/Kg	0.015	55.2	37.4	95.4	30.5	35	
Fluoranthene	0.06300	mg/Kg	0.020	62.8	30.4	97.8	25.3	35	
Pyrene	0.05900	mg/Kg	0.025	59.0	33.3	100	31.7	35	
Benz(a)anthracene	ND	mg/Kg	0.010	57.5	38.9	102	0	35	
Chrysene	0.02925	mg/Kg	0.011	58.2	24.2	100	28.6	35	
Benzo(b)fluoranthene	ND	mg/Kg	0.010	58.0	35.5	102	0	35	
Benzo(k)fluoranthene	ND	mg/Kg	0.010	56.0	30.4	101	0	35	
Benzo(a)pyrene	ND	mg/Kg	0.010	59.7	29.6	112	0	35	
Dibenz(a,h)anthracene	ND	mg/Kg	0.010	58.0	29.3	108	0	35	
Benzo(g,h,i)perylene	ND	mg/Kg	0.010	60.0	21.3	116	0	35	
Indeno(1,2,3-cd)pyrene	ND	mg/Kg	0.10	59.8	18.6	112	0	35	

Sample ID: 0806294-05AMS

MS

Batch ID: 16312

Analysis Date: 7/1/2008 10:13:36 AM

Naphthalene	0.4335	mg/Kg	0.25	43.4	17.9	67.1			
1-Methylnaphthalene	0.4412	mg/Kg	0.25	44.1	20.7	66.4			
2-Methylnaphthalene	0.4328	mg/Kg	0.25	43.3	21.4	67.3			
Acenaphthylene	0.4332	mg/Kg	0.25	43.3	26.2	82.1			
Acenaphthene	0.4235	mg/Kg	0.25	42.4	25	74.4			
Fluorene	0.04325	mg/Kg	0.030	43.3	26.2	82			
Phenanthrene	0.02700	mg/Kg	0.015	44.7	25.1	93.9			
Anthracene	0.02400	mg/Kg	0.015	43.7	25.1	92.6			
Fluoranthene	0.04750	mg/Kg	0.020	47.4	28.5	99			
Pyrene	0.04000	mg/Kg	0.025	40.0	32.3	98.3			
Benz(a)anthracene	ND	mg/Kg	0.010	45.0	-13.8	167			
Chrysene	0.02300	mg/Kg	0.011	45.7	45.7	91.4			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Chevron

Work Order: 0806294

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8310: PAHs									
Sample ID: 0806294-05AMS		MS	Batch ID: 16312		Analysis Date: 7/1/2008 10:13:36 AM				
Benzo(b)fluoranthene	ND	mg/Kg	0.010	50.0	42	100			
Benzo(k)fluoranthene	ND	mg/Kg	0.010	40.0	43.3	99.9			S
Benzo(a)pyrene	ND	mg/Kg	0.010	51.8	46.7	101			
Dibenz(a,h)anthracene	ND	mg/Kg	0.010	44.0	50.2	97			S
Benzo(g,h,i)perylene	ND	mg/Kg	0.010	68.0	51.5	101			
Indeno(1,2,3-cd)pyrene	ND	mg/Kg	0.10	154	23.2	158			

Qualifiers:

B Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **ENVIROTECH**

Date Received:

6/19/2008

Work Order Number 0806294

Received by: **AT**

Sample ID labels checked by:

Checklist completed by:

Signature

Date

Initials

Matrix:

Carrier name **Greyhound**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐ Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☒	Yes ☐	No ☐
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☒

Container/Temp Blank temperature?

1°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

APPENDIX A

Pond Water and Leak Detection Analytical Results

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	Chevron	Project #:	92270-0204
Sample ID:	Leak Detection	Date Reported:	05-08-08
Laboratory Number:	45316	Date Sampled:	05-06-08
Chain of Custody:	4335	Date Received:	05-06-08
Sample Matrix:	Liquid	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	05-07 / 5-08-08
Condition:	Intact		

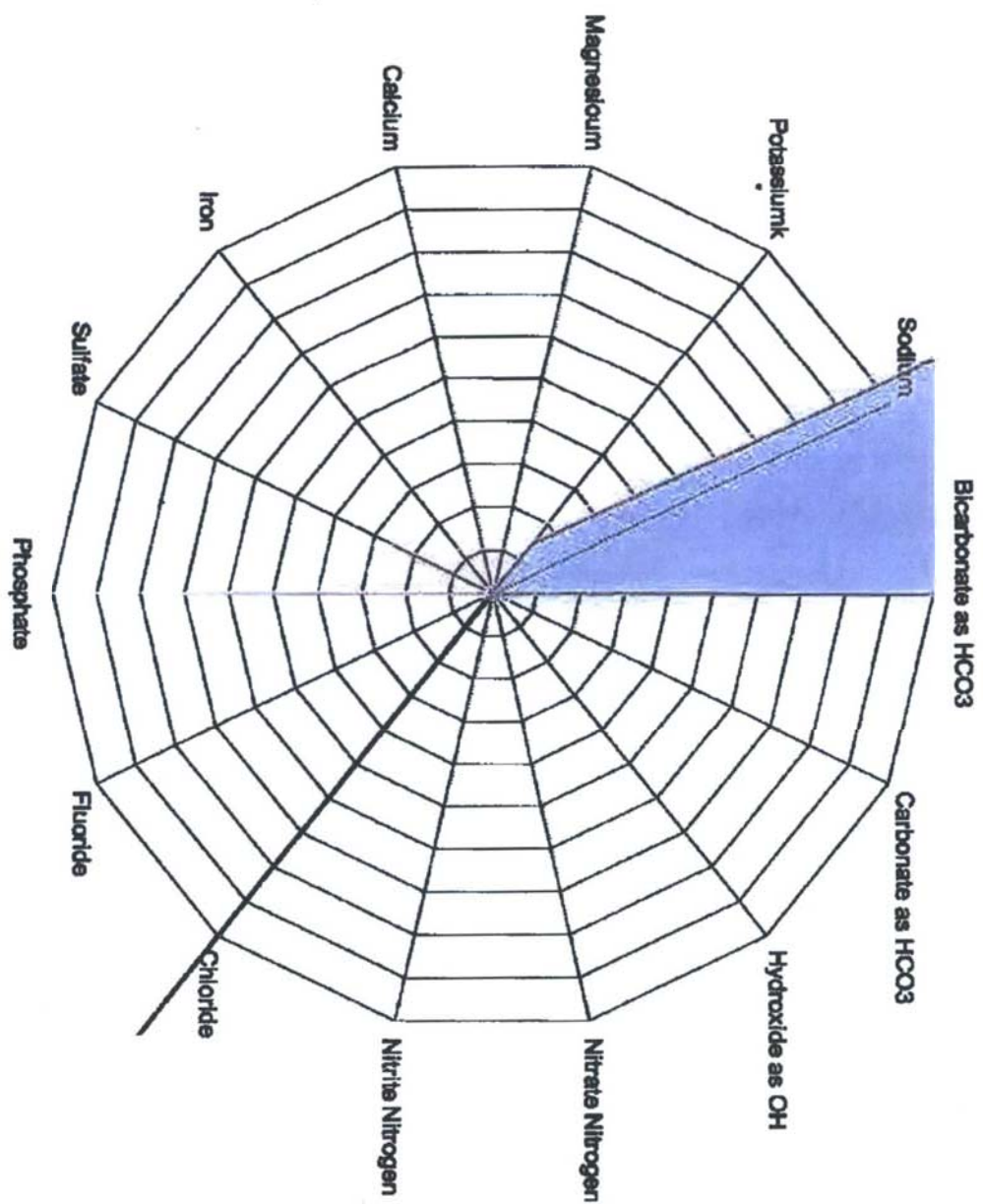
Parameter	Analytical Result	Units		
pH	8.30	s.u.		
Conductivity @ 25° C	16,600	umhos/cm		
Total Dissolved Solids @ 180C	11,600	mg/L		
Total Dissolved Solids (Calc)	11,472	mg/L		
SAR	290	ratio		
Total Alkalinity as CaCO3	6,960	mg/L		
Total Hardness as CaCO3	41.8	mg/L		
Bicarbonate as HCO3	6,960	mg/L	114.07	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	1.7	mg/L	0.03	meq/L
Nitrite Nitrogen	0.010	mg/L	0.00	meq/L
Chloride	2,760	mg/L	77.86	meq/L
Fluoride	3.7	mg/L	0.19	meq/L
Phosphate	5.3	mg/L	0.17	meq/L
Sulfate	<0.1	mg/L	0.00	meq/L
Iron	0.100	mg/L	0.00	meq/L
Calcium	7.18	mg/L	0.36	meq/L
Magnesium	5.83	mg/L	0.48	meq/L
Potassium	143	mg/L	3.66	meq/L
Sodium	4,320	mg/L	187.92	meq/L
Cations			192.42	meq/L
Anions			192.32	meq/L
Cation/Anion Difference			0.05%	

Reference: U.S.E.P.A., 800/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: La Plata Pond.

Analyst

Review



□ Leak Detection

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

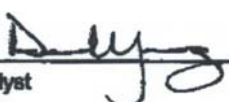
Client: Chevron
Sample ID: Pond
Laboratory Number: 45317
Chain of Custody: 4335
Sample Matrix: Liquid
Preservative: Cool
Condition: Intact

Project #: 92270-0204
Date Reported: 05-08-08
Date Sampled: 05-06-08
Date Received: 05-06-08
Date Extracted: N/A
Date Analyzed: 05-07 / 5-08-08

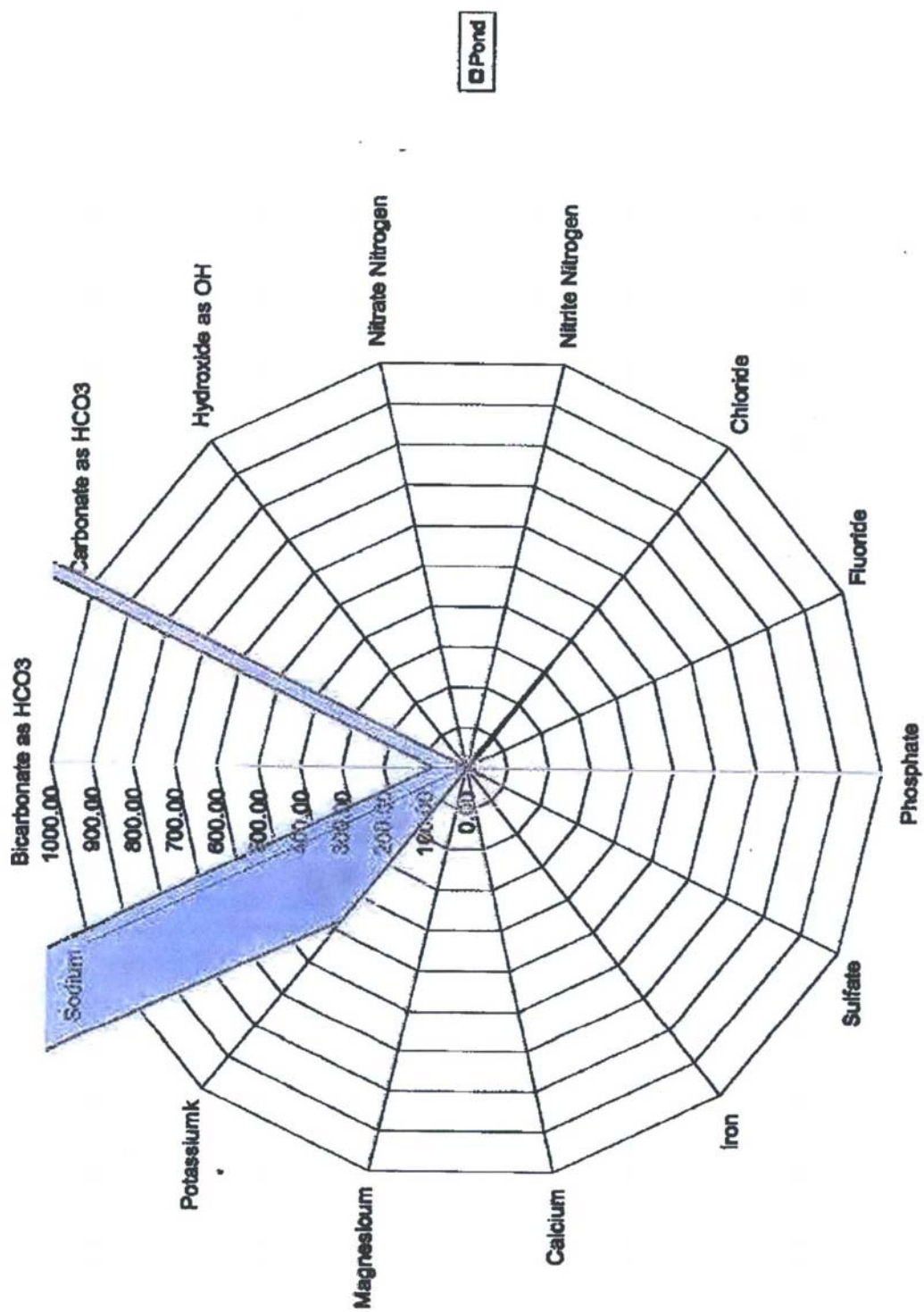
Parameter	Analytical Result	Units		
pH	9.67	s.u.		
Conductivity @ 25° C	45,700	umhos/cm		
Total Dissolved Solids @ 180C	28,700	mg/L		
Total Dissolved Solids (Calc)	24,981	mg/L		
SAR	968	ratio		
Total Alkalinity as CaCO3	17,600	mg/L		
Total Hardness as CaCO3	36.3	mg/L		
Bicarbonate as HCO3	80.0	mg/L	1.31	meq/L
Carbonate as CO3	17,500	mg/L	583.28	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	10.0	mg/L	0.16	meq/L
Nitrite Nitrogen	0.010	mg/L	0.00	meq/L
Chloride	320	mg/L	9.03	meq/L
Fluoride	8.3	mg/L	0.44	meq/L
Phosphate	10.0	mg/L	0.32	meq/L
Sulfate	45.0	mg/L	0.94	meq/L
Iron	0.703	mg/L	0.03	meq/L
Calcium	4.20	mg/L	0.21	meq/L
Magnesium	6.30	mg/L	0.52	meq/L
Potassium	473	mg/L	12.10	meq/L
Sodium	13,400	mg/L	582.90	meq/L
Cations			595.73	meq/L
Anions			595.46	meq/L
Cation/Anion Difference			0.04%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: La Plata Pond.


Analyst


Review



4335

san juan reproduction 578-129

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Chevron
Sample ID: Pond Sludge
Laboratory Number: 45376
Chain of Custody No: 4357
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

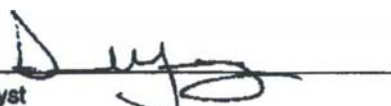
Project #: 92270-0204
Date Reported: 05-13-08
Date Sampled: 05-09-08
Date Received: 05-09-08
Date Extracted: 05-09-08
Date Analyzed: 05-12-08
Analysis Requested: 8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: La Plata Evaporation Pond.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client: QA/QC
Sample ID: 05-12-08 QA/QC
Laboratory Number: 45382
Sample Matrix: Methylene Chloride
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 05-13-08
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 05-12-08
Analysis Requested: TPH

	I-Cal Date	I-Cal RE	C-Cal R.F.	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	9.9632E+002	9.9672E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0015E+003	1.0019E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	250	100%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 45382 - 45386, 45207, 45373, 45376, and 45379 - 45380.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-0204
Sample ID:	Pond Sludge	Date Reported:	05-13-08
Laboratory Number:	45376	Date Sampled:	05-09-08
Chain of Custody:	4357	Date Received:	05-09-08
Sample Matrix:	Soil	Date Analyzed:	05-12-08
Preservative:	Cool	Date Extracted:	05-09-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	13.2	1.0
Ethylbenzene	10.4	1.0
p,m-Xylene	6.2	1.2
o-Xylene	3.0	0.9
Total BTEX	32.8	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.0 %
	1,4-difluorobenzene	96.0 %
	Bromochlorobenzene	96.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: La Plata Evaporation Pond.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	05-12-BT QA/QC	Date Reported:	05-13-08
Laboratory Number:	45382	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-12-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect. Limit
		Accept Range 0 - 15%			
Benzene	3.7675E+007	3.7751E+007	0.2%	ND	0.1
Toluene	3.1603E+007	3.1688E+007	0.2%	ND	0.1
Ethylbenzene	2.3882E+007	2.3730E+007	0.2%	ND	0.1
p,m-Xylene	4.8582E+007	4.8550E+007	0.2%	ND	0.1
o-Xylene	2.2285E+007	2.2330E+007	0.2%	ND	0.1

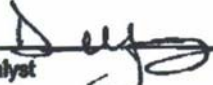
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	10.2	10.1	1.0%	0 - 30%	1.0
Ethylbenzene	1.5	1.4	6.7%	0 - 30%	1.0
p,m-Xylene	6.6	6.5	1.5%	0 - 30%	1.2
o-Xylene	3.0	2.8	6.7%	0 - 30%	0.9

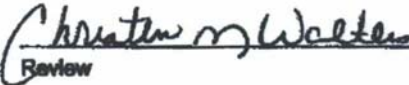
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	10.2	50.0	59.7	99.2%	46 - 148
Ethylbenzene	1.5	50.0	51.1	99.2%	32 - 160
p,m-Xylene	6.6	100	100	93.4%	46 - 148
o-Xylene	3.0	50.0	52.7	99.4%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 8030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photolysis and/or Electrode Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 45382- 45386, 454207, 45373, 45376, and 45379 - 45380.

Analyst 

Review 

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Chevron	Project #:	92270-0204
Sample ID:	Pond Sludge	Date Reported:	05-13-08
Lab ID#:	45376	Date Sampled:	05-09-08
Sample Matrix:	Soil	Date Received:	05-09-08
Preservative:	Cool	Date Analyzed:	05-12-08
Condition:	Intact	Chain of Custody:	4357

Parameter

Concentration (mg/Kg)

Total Chloride

1,770

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: La Plata Evaporation Pond.

Analyst

Review

CHAIN OF CUSTODY RECORD

[illegible]

san juan reproduction 578-129

APPENDIX A

Additional Site Investigation Analytical Results

Analytical Report

Report Summary

Client: Chevron

Chain Of Custody Number:

Samples Received: 10/4/2017 1:05:00PM

Job Number: 92270-1646

Work Order: P710008

Project Name/Location: Hallwood Pond Soil
Sampling

Report Reviewed By:



Date: 10/17/17

Walter Hinchman, Laboratory Director



Date: 10/17/17

Tim Cain, Quality Assurance Officer

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported:
322 Road 3100	Project Number:	92270-1646	17-Oct-17 15:57
Aztec NM, 87410	Project Manager:	Greg Crabtree	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sump @ 10' BGS	P710008-01A	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-01B	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-01C	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
Northeast Composite	P710008-02A	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-02B	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-02C	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
Southeast Composite	P710008-03A	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-03B	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-03C	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
South Composite (a)	P710008-04A	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-04B	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-04C	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
North Composite	P710008-05A	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-05B	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-05C	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
Northwest Composite	P710008-06A	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-06B	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-06C	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
South Composite (b)	P710008-07A	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-07B	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.
	P710008-07C	Solid	10/03/17	10/04/17	Glass Jar, 4 oz.

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Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com

laboratory@envirotech-inc.com

Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported: 17-Oct-17 15:57
322 Road 3100	Project Number:	92270-1646	
Aztec NM, 87410	Project Manager:	Greg Crabtree	

Sump @ 10' BGS
P710008-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %		50-150	1741004	10/09/17	10/12/17	EPA 8021B	

Total Metals by 6010

Copper	18.0	2.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Iron	19400	50.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Manganese	340	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Zinc	60.1	10.0	mg/kg	1	1741005	10/10/17	10/16/17	EPA 6010C	
Arsenic	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Barium	216	10.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Chromium	16.3	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Lead	6.83	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	

Anions by 300.0

Fluoride	21.2	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Chloride	1010	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Nitrate-N	8.71	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Sulfate	345	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported: 17-Oct-17 15:57
322 Road 3100	Project Number:	92270-1646	
Aztec NM, 87410	Project Manager:	Greg Crabtree	

Sump @ 10' BGS
P710008-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1741018	10/12/17	10/12/17	EPA 418.1	
Total Mercury by 7471B									
Mercury	ND	0.0200	mg/kg	1	1741019	10/12/17	10/16/17	EPA 7471B	

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported:
322 Road 3100	Project Number:	92270-1646	17-Oct-17 15:57
Aztec NM, 87410	Project Manager:	Greg Crabtree	

**Northeast Composite
P710008-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %		50-150	1741004	10/09/17	10/12/17	EPA 8021B	

Total Metals by 6010

Copper	11.1	2.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Iron	13800	50.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Manganese	298	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Zinc	38.7	10.0	mg/kg	1	1741005	10/10/17	10/16/17	EPA 6010C	
Arsenic	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Barium	179	10.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Chromium	16.3	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Lead	6.78	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	

Anions by 300.0

Fluoride	5.25	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Chloride	1020	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Nitrate-N	82.2	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Sulfate	286	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	

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Chevron
 322 Road 3100
 Aztec NM, 87410

 Project Name: Hallwood Pond Soil Sampling
 Project Number: 92270-1646
 Project Manager: Greg Crabtree

Reported:
 17-Oct-17 15:57

**Northeast Composite
 P710008-02 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Petroleum Hydrocarbons by 418.1

Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1741018	10/12/17	10/12/17	EPA 418.1	
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Total Mercury by 7471B

Mercury	ND	0.0200	mg/kg	1	1741019	10/12/17	10/16/17	EPA 7471B	
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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported: 17-Oct-17 15:57
322 Road 3100	Project Number:	92270-1646	
Aztec NM, 87410	Project Manager:	Greg Crabtree	

**Southeast Composite
P710008-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %		50-150	1741004	10/09/17	10/12/17	EPA 8021B	

Total Metals by 6010

Copper	9.40	2.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Iron	13200	50.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Manganese	334	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Zinc	43.2	10.0	mg/kg	1	1741005	10/10/17	10/16/17	EPA 6010C	
Arsenic	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Barium	153	10.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Chromium	17.4	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Lead	6.76	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	

Anions by 300.0

Fluoride	4.24	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Chloride	1060	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Nitrate-N	59.3	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Sulfate	222	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	

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Chevron
 322 Road 3100
 Aztec NM, 87410

 Project Name: Hallwood Pond Soil Sampling
 Project Number: 92270-1646
 Project Manager: Greg Crabtree

Reported:
 17-Oct-17 15:57

**Southeast Composite
 P710008-03 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	1120	800	mg/kg	20	1741018	10/12/17	10/12/17	EPA 418.1	
Total Mercury by 7471B									
Mercury	ND	0.0200	mg/kg	1	1741019	10/12/17	10/16/17	EPA 7471B	

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Chevron
322 Road 3100
Aztec NM, 87410

Project Name: Hallwood Pond Soil Sampling
Project Number: 92270-1646
Project Manager: Greg Crabtree

Reported:
17-Oct-17 15:57

**South Composite (a)
P710008-04 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.7 %		50-150	1741004	10/09/17	10/12/17	EPA 8021B	

Total Metals by 6010

Copper	8.63	2.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Iron	12900	50.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Manganese	360	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Zinc	45.5	10.0	mg/kg	1	1741005	10/10/17	10/16/17	EPA 6010C	
Arsenic	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Barium	172	10.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Chromium	16.1	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Lead	6.10	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	

Anions by 300.0

Fluoride	7.40	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Chloride	1220	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Nitrate-N	85.7	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Sulfate	581	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported: 17-Oct-17 15:57
322 Road 3100	Project Number:	92270-1646	
Aztec NM, 87410	Project Manager:	Greg Crabtree	

South Composite (a)
P710008-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Total Petroleum Hydrocarbons by 418.1

Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1741018	10/12/17	10/12/17	EPA 418.1	
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Total Mercury by 7471B

Mercury	ND	0.0200	mg/kg	1	1741019	10/12/17	10/16/17	EPA 7471B	
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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported: 17-Oct-17 15:57
322 Road 3100	Project Number:	92270-1646	
Aztec NM, 87410	Project Manager:	Greg Crabtree	

**North Composite
P710008-05 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatiles Organics by EPA 8021

Benzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.6 %		50-150	1741004	10/09/17	10/12/17	EPA 8021B	

Total Metals by 6010

Copper	10.4	2.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Iron	15700	50.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Manganese	426	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Zinc	52.2	10.0	mg/kg	1	1741005	10/10/17	10/16/17	EPA 6010C	
Arsenic	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Barium	245	10.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Chromium	21.9	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Lead	6.22	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	

Anions by 300.0

Fluoride	7.49	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Chloride	1190	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Nitrate-N	42.7	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Sulfate	104	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported: 17-Oct-17 15:57
322 Road 3100	Project Number:	92270-1646	
Aztec NM, 87410	Project Manager:	Greg Crabtree	

North Composite
P710008-05 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Total Petroleum Hydrocarbons by 418.1

Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1741018	10/12/17	10/12/17	EPA 418.1	
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Total Mercury by 7471B

Mercury	ND	0.0200	mg/kg	1	1741019	10/12/17	10/16/17	EPA 7471B	
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Chevron
 322 Road 3100
 Aztec NM, 87410

 Project Name: Hallwood Pond Soil Sampling
 Project Number: 92270-1646
 Project Manager: Greg Crabtree

Reported:
 17-Oct-17 15:57

Northwest Composite
P710008-06 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Benzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.3 %		50-150	1741004	10/09/17	10/12/17	EPA 8021B	

Total Metals by 6010

Copper	9.98	2.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Iron	14700	50.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Manganese	366	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Zinc	48.2	10.0	mg/kg	1	1741005	10/10/17	10/16/17	EPA 6010C	
Arsenic	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Barium	213	10.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Chromium	23.4	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Lead	5.55	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	

Anions by 300.0

Fluoride	6.85	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Chloride	520	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Nitrate-N	37.8	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Sulfate	76.9	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported: 17-Oct-17 15:57
322 Road 3100	Project Number:	92270-1646	
Aztec NM, 87410	Project Manager:	Greg Crabtree	

**Northwest Composite
P710008-06 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Total Petroleum Hydrocarbons by 418.1

Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1741018	10/12/17	10/12/17	EPA 418.1	
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Total Mercury by 7471B

Mercury	ND	0.0200	mg/kg	1	1741019	10/12/17	10/16/17	EPA 7471B	
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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported: 17-Oct-17 15:57
322 Road 3100	Project Number:	92270-1646	
Aztec NM, 87410	Project Manager:	Greg Crabtree	

South Composite (b)
P710008-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatiles Organics by EPA 8021

Benzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1741004	10/09/17	10/12/17	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.2 %		50-150	1741004	10/09/17	10/12/17	EPA 8021B	

Total Metals by 6010

Copper	9.71	2.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Iron	14800	50.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Manganese	396	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Zinc	48.1	10.0	mg/kg	1	1741005	10/10/17	10/16/17	EPA 6010C	
Arsenic	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Barium	162	10.0	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Chromium	23.0	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Lead	6.69	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1741005	10/10/17	10/13/17	EPA 6010C	

Anions by 300.0

Fluoride	2.90	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Chloride	902	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Nitrate-N	84.0	2.50	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	
Sulfate	147	20.0	mg/kg	1	1741008	10/10/17	10/11/17	EPA 300.0	

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported: 17-Oct-17 15:57
322 Road 3100	Project Number:	92270-1646	
Aztec NM, 87410	Project Manager:	Greg Crabtree	

South Composite (b)
P710008-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Total Petroleum Hydrocarbons by 418.1

Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1741018	10/12/17	10/12/17	EPA 418.1	
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Total Mercury by 7471B

Mercury	ND	0.0200	mg/kg	1	1741019	10/12/17	10/16/17	EPA 7471B	
---------	----	--------	-------	---	---------	----------	----------	-----------	--

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Chevron
322 Road 3100
Aztec NM, 87410

Project Name: Hallwood Pond Soil Sampling
Project Number: 92270-1646
Project Manager: Greg Crabtree

Reported:
17-Oct-17 15:57

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1741004 - Purge and Trap EPA 5030A

Blank (1741004-BLK1)

Prepared: 09-Oct-17 Analyzed: 12-Oct-17

Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	7.68		"	8.00		96.0	50-150			

LCS (1741004-BS1)

Prepared: 09-Oct-17 Analyzed: 12-Oct-17

Benzene	5.00	0.10	mg/kg	5.00		100	70-130			
Toluene	4.88	0.10	"	5.00		97.7	70-130			
Ethylbenzene	4.87	0.10	"	5.00		97.4	70-130			
p,m-Xylene	9.64	0.20	"	10.0		96.5	70-130			
o-Xylene	4.79	0.10	"	5.00		95.9	70-130			
Total Xylenes	14.4	0.10	"	15.0		96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.84		"	8.00		98.0	50-150			

Matrix Spike (1741004-MS1)

Source: P710008-01

Prepared: 09-Oct-17 Analyzed: 12-Oct-17

Benzene	5.08	0.10	mg/kg	5.00	ND	102	54.3-133			
Toluene	4.93	0.10	"	5.00	ND	98.7	61.4-130			
Ethylbenzene	4.91	0.10	"	5.00	ND	98.3	61.4-133			
p,m-Xylene	9.74	0.20	"	10.0	ND	97.4	63.3-131			
o-Xylene	4.84	0.10	"	5.00	ND	96.8	63.3-131			
Total Xylenes	14.6	0.10	"	15.0	ND	97.2	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7.87		"	8.00		98.4	50-150			

Matrix Spike Dup (1741004-MSD1)

Source: P710008-01

Prepared: 09-Oct-17 Analyzed: 12-Oct-17

Benzene	5.10	0.10	mg/kg	5.00	ND	102	54.3-133	0.474	20	
Toluene	4.98	0.10	"	5.00	ND	99.7	61.4-130	0.998	20	
Ethylbenzene	4.97	0.10	"	5.00	ND	99.4	61.4-133	1.14	20	
p,m-Xylene	9.84	0.20	"	10.0	ND	98.4	63.3-131	1.03	20	
o-Xylene	4.88	0.10	"	5.00	ND	97.7	63.3-131	0.985	20	
Total Xylenes	14.7	0.10	"	15.0	ND	98.2	63.3-131	1.01	20	
Surrogate: 4-Bromochlorobenzene-PID	7.77		"	8.00		97.1	50-150			

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported:
322 Road 3100	Project Number:	92270-1646	17-Oct-17 15:57
Aztec NM, 87410	Project Manager:	Greg Crabtree	

Total Metals by 6010 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1741005 - Metals Solid Microwave Digestion EPA 3051A

Blank (1741005-BLK1)

Prepared: 10-Oct-17 Analyzed: 12-Oct-17

Arsenic	ND	1.00	mg/kg
Barium	ND	10.0	"
Cadmium	ND	1.00	"
Chromium	ND	5.00	"
Copper	ND	2.00	"
Iron	ND	50.0	"
Lead	ND	1.00	"
Manganese	ND	1.00	"
Selenium	ND	5.00	"
Silver	ND	1.00	"
Zinc	ND	10.0	"

LCS (1741005-BS1)

Prepared: 10-Oct-17 Analyzed: 12-Oct-17

Arsenic	88.4	1.00	mg/kg	100	88.4	80-120
Barium	2560	10.0	"	2500	102	80-120
Cadmium	91.9	1.00	"	100	91.9	80-120
Chromium	94.9	5.00	"	100	94.9	80-120
Copper	94.7	2.00	"	100	94.7	80-120
Iron	4840	50.0	"	5000	96.8	80-120
Lead	94.1	1.00	"	100	94.1	80-120
Manganese	90.5	1.00	"	100	90.5	80-120
Selenium	88.4	5.00	"	100	88.4	80-120
Silver	9.15	1.00	"	10.0	91.5	80-120
Zinc	940	10.0	"	1000	94.0	80-120

Matrix Spike (1741005-MS1)

Source: P710008-02

Prepared: 10-Oct-17 Analyzed: 13-Oct-17

Arsenic	93.3	1.00	mg/kg	100	ND	93.3	75-125
Barium	2340	10.0	"	2500	179	86.5	75-125
Cadmium	84.4	1.00	"	100	ND	84.4	75-125
Chromium	115	5.00	"	100	16.3	98.5	75-125
Copper	99.9	2.00	"	100	11.1	88.8	75-125
Iron	16900	50.0	"	5000	13800	62.4	75-125
Lead	93.9	1.00	"	100	6.78	87.2	75-125
Manganese	422	1.00	"	100	298	124	75-125
Selenium	85.2	5.00	"	100	ND	85.2	75-125
Silver	8.86	1.00	"	10.0	ND	88.6	75-125
Zinc	1020	10.0	"	1000	38.7	98.1	75-125

SPK1

Matrix Spike Dup (1741005-MSD1)

Source: P710008-02

Prepared: 10-Oct-17 Analyzed: 13-Oct-17

Arsenic	92.6	1.00	mg/kg	100	ND	92.6	75-125	0.732	20
Barium	2400	10.0	"	2500	179	88.9	75-125	2.45	20
Cadmium	83.6	1.00	"	100	ND	83.6	75-125	0.881	20

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported: 17-Oct-17 15:57
322 Road 3100	Project Number:	92270-1646	
Aztec NM, 87410	Project Manager:	Greg Crabtree	

Total Metals by 6010 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1741005 - Metals Solid Microwave Digestion EPA 3051A

Matrix Spike Dup (1741005-MSD1)	Source: P710008-02			Prepared: 10-Oct-17 Analyzed: 13-Oct-17						
Chromium	130	5.00	"	100	16.3	114	75-125	12.6	20	
Copper	109	2.00	"	100	11.1	98.3	75-125	9.13	20	
Iron	18400	50.0	"	5000	13800	91.2	75-125	8.16	20	
Lead	93.3	1.00	"	100	6.78	86.5	75-125	0.694	20	
Manganese	475	1.00	"	100	298	177	75-125	11.8	20	SPK1
Selenium	85.3	5.00	"	100	ND	85.3	75-125	0.164	20	
Silver	9.81	1.00	"	10.0	ND	98.1	75-125	10.2	20	
Zinc	712	10.0	"	1000	38.7	67.3	75-125	35.6	20	D1, SPK1

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported:
322 Road 3100	Project Number:	92270-1646	17-Oct-17 15:57
Aztec NM, 87410	Project Manager:	Greg Crabtree	

Anions by 300.0 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1741008 - Anion Extraction EPA 300.0

Blank (1741008-BLK1)

Prepared & Analyzed: 10-Oct-17

Fluoride	ND	2.50	mg/kg
Chloride	ND	20.0	"
Nitrate-N	ND	2.50	"
Sulfate	ND	20.0	"

LCS (1741008-BS1)

Prepared & Analyzed: 10-Oct-17

Fluoride	25.7	2.50	mg/kg	25.0	103	90-110
Chloride	255	20.0	"	250	102	90-110
Nitrate-N	24.6	2.50	"	25.0	98.4	90-110
Sulfate	249	20.0	"	250	99.7	90-110

Matrix Spike (1741008-MS1)

Source: P710005-01

Prepared & Analyzed: 10-Oct-17

Fluoride	24.0	2.50	mg/kg	25.0	ND	96.0	80-120
Chloride	344	20.0	"	250	89.9	102	80-120
Nitrate-N	24.5	2.50	"	25.0	ND	98.0	80-120
Sulfate	308	20.0	"	250	71.1	94.9	80-120

Matrix Spike Dup (1741008-MSD1)

Source: P710005-01

Prepared & Analyzed: 10-Oct-17

Fluoride	24.0	2.50	mg/kg	25.0	ND	95.8	80-120	0.250	20
Chloride	346	20.0	"	250	89.9	102	80-120	0.481	20
Nitrate-N	24.7	2.50	"	25.0	ND	98.8	80-120	0.853	20
Sulfate	310	20.0	"	250	71.1	95.5	80-120	0.540	20

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Chevron
322 Road 3100
Aztec NM, 87410

Project Name: Hallwood Pond Soil Sampling
Project Number: 92270-1646
Project Manager: Greg Crabtree

Reported:
17-Oct-17 15:57

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1741018 - 418 Freon Extraction

Blank (1741018-BLK1)

Prepared & Analyzed: 12-Oct-17

Total Petroleum Hydrocarbons	ND	40.0	mg/kg
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LCS (1741018-BS1)

Prepared & Analyzed: 12-Oct-17

Total Petroleum Hydrocarbons	940	40.0	mg/kg	1000	94.0	80-120
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Matrix Spike (1741018-MS1)

Source: P710008-01

Prepared & Analyzed: 12-Oct-17

Total Petroleum Hydrocarbons	912	40.0	mg/kg	1000	ND	91.2	70-130
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Matrix Spike Dup (1741018-MSD1)

Source: P710008-01

Prepared & Analyzed: 12-Oct-17

Total Petroleum Hydrocarbons	916	40.0	mg/kg	1000	ND	91.6	70-130	0.438	30
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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported: 17-Oct-17 15:57
322 Road 3100	Project Number:	92270-1646	
Aztec NM, 87410	Project Manager:	Greg Crabtree	

Total Mercury by 7471B - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1741019 - Mercury Solid Digestion KMNO4

Blank (1741019-BLK1)				Prepared: 12-Oct-17 Analyzed: 16-Oct-17						
Mercury	ND	0.0200	mg/kg							
LCS (1741019-BS1)				Prepared: 12-Oct-17 Analyzed: 16-Oct-17						
Mercury	0.163	0.0200	mg/kg	0.160		102	80-120			
Matrix Spike (1741019-MS1)				Source: P710008-01 Prepared: 12-Oct-17 Analyzed: 16-Oct-17						
Mercury	0.162	0.0200	mg/kg	0.160	ND	102	75-125			
Matrix Spike Dup (1741019-MSD1)				Source: P710008-01 Prepared: 12-Oct-17 Analyzed: 16-Oct-17						
Mercury	0.173	0.0200	mg/kg	0.160	ND	108	75-125	6.20	15	

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Chevron
322 Road 3100
Aztec NM, 87410

Project Name: Hallwood Pond Soil Sampling
Project Number: 92270-1646
Project Manager: Greg Crabtree

Reported:
17-Oct-17 15:57

Notes and Definitions

SPK1 The spike recovery is outside of quality control limits.

D1 Duplicates or Matrix Spike Duplicates or Laboratory Control Sample Duplicates Relative Percent Difference is outside of control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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20.6.2.3103 STANDARDS FOR GROUND WATER OF 10,000 mg/l TDS CONCENTRATION OR LESS: The following standards are the allowable pH range and the maximum allowable concentration in ground water for the contaminants specified unless the existing condition exceeds the standard or unless otherwise provided in Subsection D of Section 20.6.2.3109 NMAC. Regardless of whether there is one contaminant or more than one contaminant present in ground water, when an existing pH or concentration of any water contaminant exceeds the standard specified in Subsection A, B, or C of this section, the existing pH or concentration shall be the allowable limit, provided that the discharge at such concentrations will not result in concentrations at any place of withdrawal for present or reasonably foreseeable future use in excess of the standards of this section. These standards shall apply to the dissolved portion of the contaminants specified with a definition of dissolved being that given in the publication "methods for chemical analysis of water and waste of the U.S. environmental protection agency," with the exception that standards for mercury, organic compounds and non-aqueous phase liquids shall apply to the total unfiltered concentrations of the contaminants.

A. Human Health Standards-Ground water shall meet the standards of Subsection A and B of this section unless otherwise provided. If more than one water contaminant affecting human health is present, the toxic pollutant criteria as set forth in the definition of toxic pollutant in Section 20.6.2.1101 NMAC for the combination of contaminants, or the Human Health Standard of Subsection A of Section 20.6.2.3103 NMAC for each contaminant shall apply, whichever is more stringent. Non-aqueous phase liquid shall not be present floating atop of or immersed within ground water, as can be reasonably measured.

(1)	Arsenic (As).....	0.1 mg/l
(2)	Barium (Ba).....	1.0 mg/l
(3)	Cadmium (Cd).....	0.01 mg/l
(4)	Chromium (Cr).....	0.05 mg/l
(5)	Cyanide (CN).....	0.2 mg/l
(6)	Fluoride (F).....	1.6 mg/l
(7)	Lead (Pb).....	0.05 mg/l
(8)	Total Mercury (Hg).....	0.002 mg/l
(9)	Nitrate (NO ₃ as N).....	10.0 mg/l
(10)	Selenium (Se).....	0.05 mg/l
(11)	Silver (Ag).....	0.05 mg/l
(12)	Uranium (U).....	0.03 mg/l
(13)	Radioactivity: Combined Radium-226 & Radium-228.....	30 pCi/l
(14)	Benzene.....	0.01 mg/l
(15)	Polychlorinated biphenyls (PCB's).....	0.001 mg/l
(16)	Toluene.....	0.75 mg/l
(17)	Carbon Tetrachloride.....	0.01 mg/l
(18)	1,2-dichloroethane (EDC).....	0.01 mg/l
(19)	1,1-dichloroethylene (1,1-DCE).....	0.005 mg/l
(20)	1,1,2,2-tetrachloroethylene (PCE).....	0.02 mg/l
(21)	1,1,2-trichloroethylene (TCE).....	0.1 mg/l
(22)	ethylbenzene.....	0.75 mg/l
(23)	total xylenes.....	0.62 mg/l
(24)	methylene chloride.....	0.1 mg/l
(25)	chloroform.....	0.1 mg/l
(26)	1,1-dichloroethane.....	0.025 mg/l
(27)	ethylene dibromide (EDB).....	0.0001 mg/l
(28)	1,1,1-trichloroethane.....	0.06 mg/l
(29)	1,1,2-trichloroethane.....	0.01 mg/l
(30)	1,1,2,2-tetrachloroethane.....	0.01 mg/l
(31)	vinyl chloride.....	0.001 mg/l
(32)	PAHs: total naphthalene plus monomethylnaphthalenes.....	0.03 mg/l
(33)	benzo-a-pyrene.....	0.0007 mg/l

B. Other Standards for Domestic Water Supply

(1)	Chloride (Cl).....	250.0 mg/l
(2)	Copper (Cu).....	1.0 mg/l
(3)	Iron (Fe).....	1.0 mg/l
(4)	Manganese (Mn).....	0.2 mg/l
(6)	Phenols.....	0.005 mg/l
(7)	Sulfate (SO ₄).....	600.0 mg/l
(8)	Total Dissolved Solids (TDS).....	1000.0 mg/l
(9)	Zinc (Zn).....	10.0 mg/l
(10)	pH.....	between 6 and 9

C. Standards for Irrigation Use - Ground water shall meet the standards of Subsection A, B, and C of this section unless otherwise provided.

Total Metals
Just analytes
in red
Per Felipe
10/4/17 TC

(1)	Aluminum (Al).....	5.0 mg/l
(2)	Boron (B)	0.75 mg/l
(3)	Cobalt (Co)	0.05 mg/l
(4)	Molybdenum (Mo)	1.0 mg/l
(5)	Nickel (Ni)	0.2 mg/l

[2-18-77, 1-29-82, 11-17-83, 3-3-86, 12-1-95; 20.6.2.3103 NMAC - Rn, 20 NMAC 6.2.III.3103, 1-15-01; A, 9-26-04]

[Note: For purposes of application of the amended numeric uranium standard to past and current water discharges (as of 9-26-04), the new standard will not become effective until June 1, 2007. For any new water discharges, the uranium standard is effective 9-26-04.]



ANALYTICAL REPORT

October 12, 2017



EnviroTech- NM

Sample Delivery Group: L941632
Samples Received: 10/05/2017
Project Number: 92270-1646
Description: Hallwood Pond Soil Sampling
Site: P710008
Report To: Tim Cain and Lynn Estes
5796 US. Highway 64
Farmington, NM 87401

Entire Report Reviewed By:

Daphne Richards
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

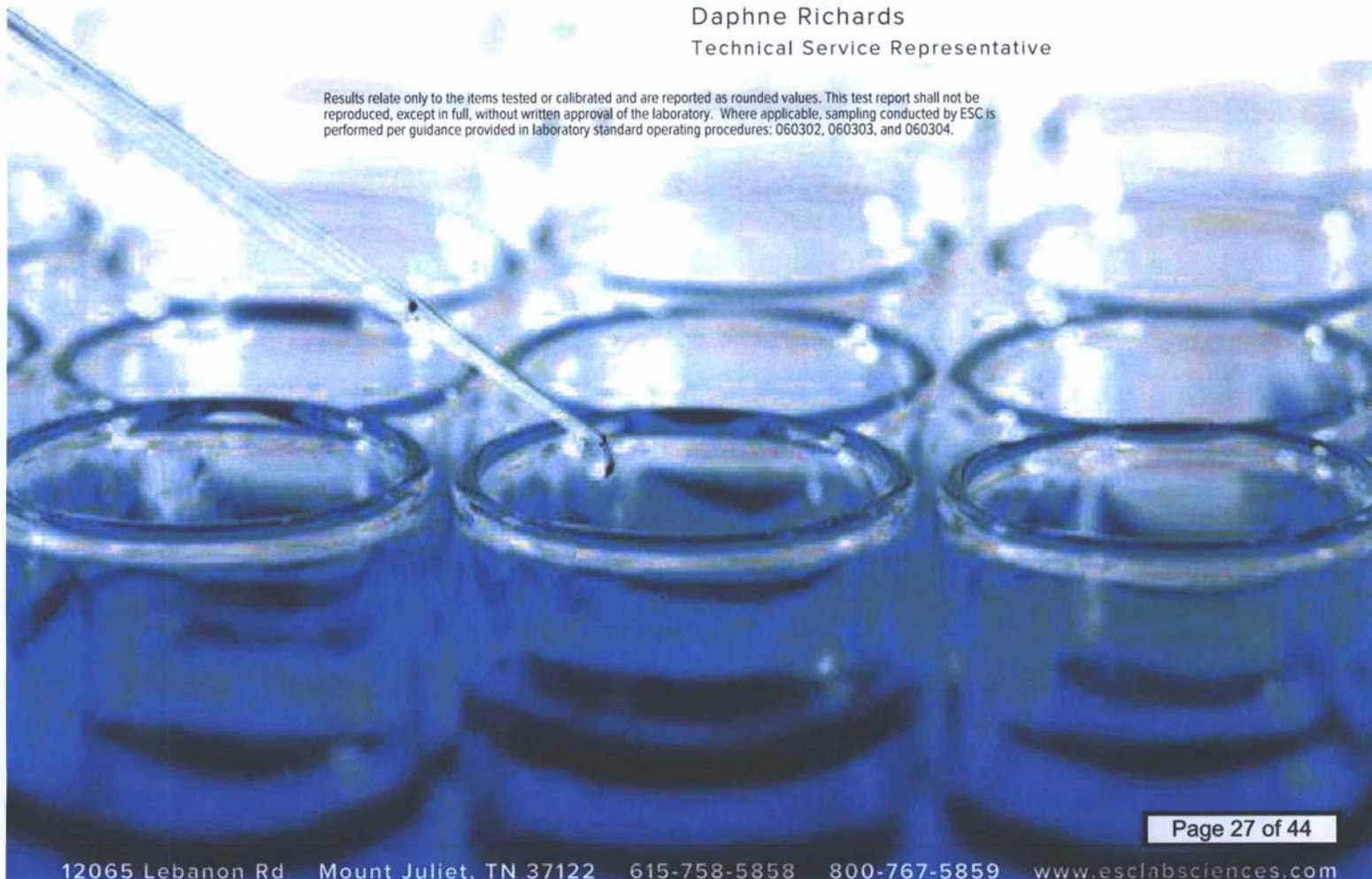


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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

SUMP 10FT BGS L941632-01 Solid

			Collected by F. Aragon	Collected date/time 10/03/17 10:35	Received date/time 10/05/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 9012B	WG1029608	1	10/11/17 09:50	10/11/17 13:21	KK
Metals (ICPMS) by Method 6020	WG1029543	5	10/11/17 07:22	10/11/17 18:04	LAT

NORTHEAST COMPOSITE L941632-02 Solid

			Collected by F. Aragon	Collected date/time 10/03/17 11:05	Received date/time 10/05/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 9012B	WG1029608	1	10/11/17 09:50	10/11/17 13:32	KK
Metals (ICPMS) by Method 6020	WG1029543	5	10/11/17 07:22	10/11/17 18:08	LAT

SOUTHEAST COMPOSITE L941632-03 Solid

			Collected by F. Aragon	Collected date/time 10/03/17 11:35	Received date/time 10/05/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 9012B	WG1029608	1	10/11/17 09:50	10/11/17 13:23	KK
Metals (ICPMS) by Method 6020	WG1029543	5	10/11/17 07:22	10/11/17 18:11	LAT

SOUTH COMPOSITE (A) L941632-04 Solid

			Collected by F. Aragon	Collected date/time 10/03/17 12:03	Received date/time 10/05/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 9012B	WG1029608	1	10/11/17 09:50	10/11/17 13:27	KK
Metals (ICPMS) by Method 6020	WG1029543	5	10/11/17 07:22	10/11/17 18:15	LAT

NORTH COMPOSITE L941632-05 Solid

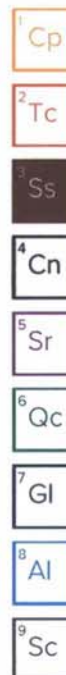
			Collected by F. Aragon	Collected date/time 10/03/17 12:10	Received date/time 10/05/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 9012B	WG1029608	1	10/11/17 09:50	10/11/17 13:28	KK
Metals (ICPMS) by Method 6020	WG1029543	5	10/11/17 07:22	10/11/17 18:18	LAT

NORTHWEST COMPOSITE L941632-06 Solid

			Collected by F. Aragon	Collected date/time 10/03/17 12:20	Received date/time 10/05/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 9012B	WG1029608	1	10/11/17 09:50	10/11/17 13:29	KK
Metals (ICPMS) by Method 6020	WG1029543	5	10/11/17 07:22	10/11/17 18:22	LAT

SOUTH COMPOSITE (B) L941632-07 Solid

			Collected by F. Aragon	Collected date/time 10/03/17 12:40	Received date/time 10/05/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 9012B	WG1029608	1	10/11/17 09:50	10/11/17 13:34	KK
Metals (ICPMS) by Method 6020	WG1029543	5	10/11/17 07:22	10/11/17 17:16	LAT





All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne Richards
Technical Service Representative

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

SUMP 10FT BGS

Collected date/time: 10/03/17 10:35

SAMPLE RESULTS - 01

L941632

ONE LAB. NATIONWIDE.



Wet Chemistry by Method 9012B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.250	1	10/11/2017 13:21	WG1029608

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		5.00	5	10/11/2017 18:04	WG1029543

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

NORTHEAST COMPOSITE

Collected date/time: 10/03/17 11:05

SAMPLE RESULTS - 02

L941632

ONE LAB. NATIONWIDE.



Wet Chemistry by Method 9012B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.250	1	10/11/2017 13:32	WG1029608

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		5.00	5	10/11/2017 18:08	WG1029543

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

SOUTHEAST COMPOSITE

Collected date/time: 10/03/17 11:35

SAMPLE RESULTS - 03

L941632

ONE LAB. NATIONWIDE.



Wet Chemistry by Method 9012B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND	J3 J6	0.250	1	10/11/2017 13:23	WG1029608

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		5.00	5	10/11/2017 18:11	WG1029543

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Wet Chemistry by Method 9012B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.250	1	10/11/2017 13:27	WG1029608

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		5.00	5	10/11/2017 18:15	WG1029543

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

NORTH COMPOSITE

Collected date/time: 10/03/17 12:10

SAMPLE RESULTS - 05

L941632

ONE LAB. NATIONWIDE.



Wet Chemistry by Method 9012B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.250	1	10/11/2017 13:28	WG1029608

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		5.00	5	10/11/2017 18:18	WG1029543

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

NORTHWEST COMPOSITE

Collected date/time: 10/03/17 12:20

SAMPLE RESULTS - 06

L941632

ONE LAB. NATIONWIDE.



Wet Chemistry by Method 9012B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.250	1	10/11/2017 13:29	WG1029608

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		5.00	5	10/11/2017 18:22	WG1029543

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

SOUTH COMPOSITE (B)

Collected date/time: 10/03/17 12:40

SAMPLE RESULTS - 07

L941632

ONE LAB. NATIONWIDE.



Wet Chemistry by Method 9012B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Cyanide	ND		0.250	1	10/11/2017 13:34	WG1029608

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Uranium	ND		5.00	5	10/11/2017 17:16	WG1029543

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3256559-1 10/11/17 13:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Cyanide	U	0.039	0.250	

L941632-01 Original Sample (OS) • Duplicate (DUP)

(OS) L941632-01 10/11/17 13:21 • (DUP) R3256559-4 10/11/17 13:22

Analyte	Original Result mg/kg	DUP Result mg/kg	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	0.000	1	0	20

L941632-02 Original Sample (OS) • Duplicate (DUP)

(OS) L941632-02 10/11/17 13:32 • (DUP) R3256559-7 10/11/17 13:33

Analyte	Original Result mg/kg	DUP Result mg/kg	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	0.000	1	0	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3256559-2 10/11/17 13:08 • (LCSD) R3256559-3 10/11/17 13:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	LCSD Result mg/kg	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyanide	2.50	2.45	98	2.37	95	50-150			3	20

L941632-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L941632-03 10/11/17 13:23 • (MS) R3256559-5 10/11/17 13:25 • (MSD) R3256559-6 10/11/17 13:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MSD Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	3.33	ND	1.24	0.820	36	23	1	75-125	J6	J3 J6	41	20

Method Blank (MB)

(MB) R3256740-1 10/11/17 17:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Uranium	U	0.08	5.00	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3256740-6 10/11/17 17:36 • (LCSD) R3256740-7 10/11/17 17:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Uranium	100	100	98.4	100	98	80-120			2	20

L941632-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L941632-07 10/11/17 17:16 • (MS) R3256740-4 10/11/17 17:27 • (MSD) R3256740-5 10/11/17 17:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium	20.0	ND	108	107	108	107	5	75-125			1	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.
 * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ¹⁴ Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Billing Information:		Chain of Custody		Analysis / Container / Preservative		Page 1 of 44	
EnviroTech- NM 5796 US. Highway 64 Farmington, NM 87401		Doris Moore 5796 US. Highway 64 Farmington, NM 87401		ESC L.A.B S.C.I.E.N.C.E.S 12065 Lebanon Rd Mount Airy, TN 37122 Phone: 615-758-5858 Phone: 800-787-5859 Fax: 615-758-5859		L# <u>1941632</u> Table # <u>G067</u>	
Report to: <u>Tim, Lynn, Ivone</u> Project: <u>Hallwood Pond Soil Sampling</u> Description: <u>Hallwood Pond Soil Sampling</u> Phone: <u>505-632-0615</u> Fax:		Email To: <u>tcain@envirotech-inc.com</u> City/State Collected: <u>NM</u> Lab Project # <u>92270-1646</u> P.O. # <u>000144587</u>		Account: <u>ENVIROFNM</u> Template: Prelogin: TSR: <u>288 - Daphne Richards</u> PB:		Shipped Via: Rem./Contaminant <u>14oz glass</u> Sample # (lab only) <u>-01</u> <u>-02</u> <u>-03</u> <u>-04</u> <u>-05</u> <u>-06</u> <u>-07</u>	
Collected by (print): <u>F. Aragon</u> Collected by (signature): Immediately Packed on ice <u>N</u> <u>Y</u> <u>✓</u>		Site/Facility ID # <u>P710008</u> Rush? (Lab MUST Be Notified) <u>Same Day</u> 200% <u>Next Day</u> 100% <u>Two Day</u> 50% <u>Three Day</u> 25%		Date Results Needed <u>10/13/17</u> Email? <u>Yes</u> FAX? <u>Yes</u>		No. of Cntrs	
Sample ID		Comp/Grab		Matrix *		Depth	
<u>Sum@10' BGS</u>		<u>C</u>		<u>SS</u>		<u>10'</u>	
<u>Northeast Composite</u>		<u>C</u>		<u>SS</u>		<u>W/A</u>	
<u>Southeast Composite</u>		<u>C</u>		<u>SS</u>		<u>11:05am</u>	
<u>South Composite (a)</u>		<u>C</u>		<u>SS</u>		<u>11:35am</u>	
<u>North Composite</u>		<u>C</u>		<u>SS</u>		<u>12:03pm</u>	
<u>Northwest Composite</u>		<u>C</u>		<u>SS</u>		<u>12:10pm</u>	
<u>South Composite (b)</u>		<u>C</u>		<u>SS</u>		<u>12:40pm</u>	
Matrix: <u>SS - Soil GW - Groundwater</u> <u>WW - Wastewater</u> <u>DW - Drinking Water</u> <u>OT - Other</u>		Temp _____		Flow _____		Other _____	
Remarks: <u>please sign, scan, and return Sub contact Sample receipt checklist to ayaziz@envirotech-inc.com</u>		Temp _____		Flow _____		Other _____	
Relinquished by: (Signature) <u>[Signature]</u>		Date: <u>10/4/17</u>		Time: <u>15:35</u>		Received by: (Signature) <u>[Signature]</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date:		Time:		Received by: (Signature)	
Relinquished by: (Signature) <u>[Signature]</u>		Date:		Time:		Received by: (Signature)	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)	
Hold #		Condition: (lab use only)		COC Seal Intact: <u>Y</u> <u>N</u> <u>NA</u>		pH Checked:	
Page 42 of 44		Page 42 of 44		Page 42 of 44		Page 42 of 44	

Subcontract Sample Receipt Checklist (SCSRC)

Phone: (505) 632-0615 Fax: (505) 632-1865

Envirotech, Inc.

Instructions:

Please document any potential abnormalities/nonconformities with the submitted samples. It is requested the subcontractor lab scan this document and the CDC and email/fax them two documents upon sample receipt. It is also requested the subcontractor laboratory call Envirotech immediately with any abnormalities/nonconformities that may impact the general quality of the requested sample analysis.

Envirotech WO ID:	P710008
Envirotech SCD serial:	04
Subcontract Lab Name:	ESC
Date shipped:	10-04-17
Shipping Carrier:	F&D Ex
State of origin:	NM

State Certification Information

Does the receiving laboratory hold the appropriate RCRA/CWA/SDWA state certification?	Yes	No	NA
Does the laboratory hold the certification for the requested method(s) of analysis?	Yes	No	NA

Chain of Custody (COC) Information

Does the sample ID match the COC?	Yes	No	NA
Does the number of samples per sampling site location match the COC?	Yes	No	NA
Were the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	No	NA
Were samples received within the method specified holding time	Yes	No	NA
or is there sufficient holding time left to conduct analysis as standard TAT?	Yes	No	NA

Sample Turn Around Time (TAT) Information

Did the COC indicate standard TAT, or expedited TAT?	Standard 6-day TAT	24-hr rush	48-hr rush	72-hr rush	other rush
Was the sample cooler received in good condition?	Yes	No	NA		
Was the sample(s) received in tact, i.e., not broken?	Yes	No	NA		
Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6-12°C	Yes	No	NA		
If no visible ice, record the temperature. Actual sample temperature.	Temperature:				

Sample Cooler Information

Is the appropriate volume/weight or number of sample containers collected?	Yes	No	NA
--	-----	----	----

Sample Preservation Information

Does the COC or field labels indicate the samples were correctly preserved?	Yes	No	NA
---	-----	----	----

Multiphase Sample Matrix Information

Does the sample have more than one phase, i.e., multiphase?	Yes	No	NA
If so, does the COC specify which phase(s) is to be analyzed?	Yes	No	NA

Subcontract Laboratory Notes

Subcontract Laboratory Information	
------------------------------------	--

Subcontract Lab WO ID:

Phone No:

Email address:

Signature of subcontract laboratory sample custodian

Date Received:

envirotech-inc.com
laboratory@envirotech-inc.com

Ph: (505) 632-0615 Fax: (505) 632-1865
Ph: (970) 259-0615 Fax: (800) 362-1879

5796 US Highway 64, Farmington, NM 87401
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

194/632

ESC LAB SCIENCES Cooler Receipt Form			
Client: <u>ENVIRON</u>	SDG# <u>1941632</u>		
Cooler Received/Opened On: <u>10-5-17</u>	Temperature: <u>2.7</u>		
Received By: Vila Hobbie			
Signature: <u>[Signature]</u>			
Receipt Check List			
	NP	Yes	No
COC Seal Present / Intact?	<u>/</u>		
COC Signed / Accurate?		<u>/</u>	
Bottles arrive intact?		<u>/</u>	
Correct bottles used?		<u>/</u>	
Sufficient volume sent?		<u>/</u>	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			



Analytical Report

Report Summary

Client: Chevron

Chain Of Custody Number:

Samples Received: 10/18/2017 2:55:00PM

Job Number: 92270-1646

Work Order: P710065

Project Name/Location: Hallwood Pond Soil
Sampling

Report Reviewed By:

A handwritten signature in dark ink, appearing to read 'Walter Hinchman'.

Date: 10/26/17

Walter Hinchman, Laboratory Director

A handwritten signature in dark ink, appearing to read 'Tim Cain' with a large 'TC' monogram to the right.

Date: 10/26/17

Tim Cain, Quality Assurance Officer

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Chevron
322 Road 3100
Aztec NM, 87410

Project Name: Hallwood Pond Soil Sampling
Project Number: 92270-1646
Project Manager: Greg Crabtree

Reported:
26-Oct-17 18:00

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Background	P710065-01A	Soil	10/03/17	10/18/17	Plastic Baggie

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Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

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Ph (970) 259-0615 Fr (800) 362-1879

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laboratory@envirotech-inc.com



Chevron 322 Road 3100 Aztec NM, 87410	Project Name: Hallwood Pond Soil Sampling Project Number: 92270-1646 Project Manager: Greg Crabtree	Reported: 26-Oct-17 18:00
---	---	------------------------------

Background
P710065-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Metals by 6010									
Copper	10.4	2.00	mg/kg	1	1743012	10/25/17	10/26/17	EPA 6010C	
Iron	11100	50.0	mg/kg	1	1743012	10/25/17	10/26/17	EPA 6010C	
Manganese	299	1.00	mg/kg	1	1743012	10/25/17	10/26/17	EPA 6010C	
Zinc	33.0	10.0	mg/kg	1	1743012	10/25/17	10/26/17	EPA 6010C	
Arsenic	ND	1.00	mg/kg	1	1743012	10/25/17	10/26/17	EPA 6010C	
Barium	111	10.0	mg/kg	1	1743012	10/25/17	10/26/17	EPA 6010C	
Cadmium	ND	1.00	mg/kg	1	1743012	10/25/17	10/26/17	EPA 6010C	
Chromium	ND	5.00	mg/kg	1	1743012	10/25/17	10/26/17	EPA 6010C	
Lead	7.42	1.00	mg/kg	1	1743012	10/25/17	10/26/17	EPA 6010C	
Selenium	ND	5.00	mg/kg	1	1743012	10/25/17	10/26/17	EPA 6010C	
Silver	ND	1.00	mg/kg	1	1743012	10/25/17	10/26/17	EPA 6010C	
Anions by 300.0									
Fluoride	ND	2.50	mg/kg	1	1743018	10/25/17	10/25/17	EPA 300.0	
Chloride	ND	20.0	mg/kg	1	1743018	10/25/17	10/25/17	EPA 300.0	
Nitrate-N	4.62	2.50	mg/kg	1	1743018	10/25/17	10/25/17	EPA 300.0	
Sulfate	ND	20.0	mg/kg	1	1743018	10/25/17	10/25/17	EPA 300.0	
Total Mercury by 7471B									
Mercury	ND	0.0200	mg/kg	1	1743003	10/25/17	10/25/17	EPA 7471B	

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laboratory@envirotech-inc.com



Chevron
322 Road 3100
Aztec NM, 87410

Project Name: Hallwood Pond Soil Sampling
Project Number: 92270-1646
Project Manager: Greg Crabtree

Reported:
26-Oct-17 18:00

Total Metals by 6010 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1743012 - Metals Solid Hotblock Digestion EPA 3050B

Blank (1743012-BLK1)

Prepared: 25-Oct-17 Analyzed: 26-Oct-17

Arsenic	ND	1.00	mg/kg
Barium	ND	10.0	"
Cadmium	ND	1.00	"
Chromium	ND	5.00	"
Copper	ND	2.00	"
Iron	ND	50.0	"
Lead	ND	1.00	"
Manganese	ND	1.00	"
Selenium	ND	5.00	"
Silver	ND	1.00	"
Zinc	ND	10.0	"

LCS (1743012-BS1)

Prepared: 25-Oct-17 Analyzed: 26-Oct-17

Arsenic	24.8	1.00	mg/kg	25.0	99.2	80-120
Barium	592	10.0	"	625	94.7	80-120
Cadmium	24.9	1.00	"	25.0	99.6	80-120
Chromium	25.1	5.00	"	25.0	100	80-120
Copper	24.7	2.00	"	25.0	98.8	80-120
Iron	1220	50.0	"	1250	97.3	80-120
Lead	25.0	1.00	"	25.0	99.9	80-120
Manganese	24.2	1.00	"	25.0	96.7	80-120
Selenium	24.6	5.00	"	25.0	98.6	80-120
Silver	2.43	1.00	"	2.50	97.3	80-120
Zinc	238	10.0	"	250	95.2	80-120

Matrix Spike (1743012-MS1)

Source: P710065-01

Prepared: 25-Oct-17 Analyzed: 26-Oct-17

Arsenic	18.5	1.00	mg/kg	25.0	ND	73.9	75-125	SPK1
Barium	581	10.0	"	625	111	75.1	75-125	
Cadmium	19.5	1.00	"	25.0	ND	78.0	75-125	
Chromium	28.7	5.00	"	25.0	ND	115	75-125	
Copper	33.3	2.00	"	25.0	10.4	91.7	75-125	
Iron	14000	100	"	1250	11100	229	75-125	SPK2
Lead	25.2	1.00	"	25.0	7.42	71.0	75-125	SPK1
Manganese	343	1.00	"	25.0	299	176	75-125	SPK1
Selenium	18.8	5.00	"	25.0	ND	75.3	75-125	
Silver	2.09	1.00	"	2.50	ND	83.6	75-125	
Zinc	225	10.0	"	250	33.0	76.8	75-125	

Matrix Spike Dup (1743012-MSD1)

Source: P710065-01

Prepared: 25-Oct-17 Analyzed: 26-Oct-17

Arsenic	19.0	1.00	mg/kg	25.0	ND	75.9	75-125	2.56	20	
Barium	576	10.0	"	625	111	74.4	75-125	0.778	20	SPK1
Cadmium	20.0	1.00	"	25.0	ND	80.0	75-125	2.58	20	

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported:
322 Road 3100	Project Number:	92270-1646	26-Oct-17 18:00
Aztec NM, 87410	Project Manager:	Greg Crabtree	

Total Metals by 6010 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1743012 - Metals Solid Hotblock Digestion EPA 3050B

Matrix Spike Dup (1743012-MSD1)	Source: P710065-01			Prepared: 25-Oct-17 Analyzed: 26-Oct-17						
Chromium	28.6	5.00	"	25.0	ND	114	75-125	0.350	20	
Copper	33.4	2.00	"	25.0	10.4	92.0	75-125	0.225	20	
Iron	13800	100	"	1250	11100	211	75-125	1.55	20	SPK2
Lead	25.6	1.00	"	25.0	7.42	72.6	75-125	1.58	20	SPK1
Manganese	326	1.00	"	25.0	299	108	75-125	5.09	20	
Selenium	19.3	5.00	"	25.0	ND	77.3	75-125	2.58	20	
Silver	2.11	1.00	"	2.50	ND	84.2	75-125	0.715	20	
Zinc	228	10.0	"	250	33.0	78.2	75-125	1.54	20	

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported:
322 Road 3100	Project Number:	92270-1646	26-Oct-17 18:00
Aztec NM, 87410	Project Manager:	Greg Crabtree	

Anions by 300.0 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1743018 - Anion Extraction EPA 300.0										
Blank (1743018-BLK1)				Prepared & Analyzed: 25-Oct-17						
Fluoride	ND	2.50	mg/kg							
Chloride	ND	20.0	"							
Nitrate-N	ND	2.50	"							
Sulfate	ND	20.0	"							
LCS (1743018-BS1)				Prepared & Analyzed: 25-Oct-17						
Fluoride	25.6	2.50	mg/kg	25.0		102	90-110			
Chloride	255	20.0	"	250		102	90-110			
Nitrate-N	24.3	2.50	"	25.0		97.1	90-110			
Sulfate	255	20.0	"	250		102	90-110			
Matrix Spike (1743018-MS1)				Source: P710065-01 Prepared & Analyzed: 25-Oct-17						
Fluoride	20.2	2.50	mg/kg	25.0	ND	80.8	80-120			
Chloride	258	20.0	"	250	ND	103	80-120			
Nitrate-N	30.7	2.50	"	25.0	4.62	104	80-120			
Sulfate	260	20.0	"	250	ND	104	80-120			
Matrix Spike Dup (1743018-MSD1)				Source: P710065-01 Prepared & Analyzed: 25-Oct-17						
Fluoride	20.6	2.50	mg/kg	25.0	ND	82.6	80-120	2.20	20	
Chloride	258	20.0	"	250	ND	103	80-120	0.291	20	
Nitrate-N	30.6	2.50	"	25.0	4.62	104	80-120	0.327	20	
Sulfate	260	20.0	"	250	ND	104	80-120	0.0308	20	

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Chevron 322 Road 3100 Aztec NM, 87410	Project Name: Hallwood Pond Soil Sampling Project Number: 92270-1646 Project Manager: Greg Crabtree	Reported: 26-Oct-17 18:00
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Total Mercury by 7471B - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1743003 - Mercury Solid Digestion KMNO4										
Blank (1743003-BLK1)				Prepared & Analyzed: 25-Oct-17						
Mercury	ND	0.0200	mg/kg							
LCS (1743003-BS1)				Prepared & Analyzed: 25-Oct-17						
Mercury	0.157	0.0200	mg/kg	0.160		97.8	80-120			
Matrix Spike (1743003-MS1)				Prepared & Analyzed: 25-Oct-17						
Mercury	0.174	0.0200	mg/kg	0.160	ND	109	75-125			
Matrix Spike Dup (1743003-MSD1)				Prepared & Analyzed: 25-Oct-17						
Mercury	0.174	0.0200	mg/kg	0.160	ND	109	75-125	0.118	15	

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Chevron	Project Name:	Hallwood Pond Soil Sampling	Reported:
322 Road 3100	Project Number:	92270-1646	26-Oct-17 18:00
Aztec NM, 87410	Project Manager:	Greg Crabtree	

Notes and Definitions

SPK2	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to native analyte concentration at 4 times or greater than the spike concentration.
SPK1	The spike recovery is outside of quality control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Subject:

Sent from Snipping Tool

(1)	Arsenic (As)	0.1 mg/l
(2)	Barium (Ba)	1.0 mg/l
(3)	Cadmium (Cd)	0.01 mg/l
(4)	Chromium (Cr)	0.05 mg/l
(5)	Cyanide (CN)	0.2 mg/l
(6)	Fluoride (F)	1.6 mg/l
(7)	Lead (Pb)	0.05 mg/l
(8)	Total Mercury (Hg)	0.002 mg/l
(9)	Nitrate (NO ₃ as N)	10.0 mg/l
(10)	Selenium (Se)	0.05 mg/l
(11)	Silver (Ag)	0.05 mg/l
(12)	Chlorine (Cl)	0.03 mg/l
(13)	Radioactivity: Combined Radium-226 & Radium-228	30 pCi/l
(14)	Benzene	0.01 mg/l
(15)	Polychlorinated biphenyls (PCB's)	0.001 mg/l
(16)	Toluene	0.75 mg/l
(17)	Carbon Tetrachloride	0.01 mg/l
(18)	1,2-dichloroethane (EDC)	0.01 mg/l
(19)	1,1-dichloroethylene (1,1-DCE)	0.005 mg/l
(20)	1,1,2,2-tetrachloroethylene (PCE)	0.02 mg/l
(21)	1,1,2-trichloroethylene (TCE)	0.1 mg/l
(22)	ethylbenzene	0.75 mg/l
(23)	total xylenes	0.62 mg/l
(24)	methylene chloride	0.1 mg/l
(25)	chloroform	0.1 mg/l
(26)	1,1-dichloroethane	0.025 mg/l
(27)	ethylene dibromide (EDB)	0.0001 mg/l
(28)	1,1,1-trichloroethane	0.06 mg/l
(29)	1,1,2-trichloroethane	0.01 mg/l
(30)	1,1,2,2-tetrachloroethane	0.01 mg/l
(31)	vinyl chloride	0.001 mg/l
(32)	PAHs: total naphthalene plus monomethylnaphthalenes	0.03 mg/l
(33)	benzo-a-pyrene	0.0007 mg/l
Other Standards for Domestic Water Supply		
(1)	Chloride (Cl)	250.0 mg/l
(2)	Copper (Cu)	1.0 mg/l
(3)	Iron (Fe)	1.0 mg/l
(4)	Manganese (Mn)	0.2 mg/l
(6)	Phenols	0.005 mg/l
(7)	Sulfate (SO ₄)	600.0 mg/l
(8)	Total Dissolved Solids (TDS)	1000.0 mg/l
(9)	Zinc (Zn)	10.0 mg/l
(10)	pH	between 6 and 9

Just
Highlighted
Analyses per
Felipe 10/18/17

APPENDIX B

Envirotech Landfarm BOL's, Chloride and Paint Filter Testing

30386

JOB # 92270-0204

DATE 6-2-08

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

DATE 6-5-08

ENVIROTECH INC.

Bill of Lading

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

30389

MANIFEST #

DATE 6-04-08 JOB # 92270-0204

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Cherokee Hallwood	LF2	Cont Soil	T-13	10		Envrotech	559	750	Robert Hark
2	"	"	"	T-13	16		"	614	1030	Robert Hark
3	"	"	"	T-13	10		"	615	1040	Robert Hark
4	"	"	"	T-13	10		"	559	1055	Robert Hark
5	"	"	"	T-13	10		Envrotech	615	1310	Robert Hark
6	"	"	"	T-13	10		"	559	1405	Robert Hark
7	"	"	"	S-13		130	Back Springs	20	1500	Robert Johnson
8	"	"	"	T-13	12		Envrotech	572	1530	Robert Hark
9	"	"	"	T-13	12		"	559	1640	Robert Hark
10	"	"	"	S-12		130	Back Springs	19	1720	Robert Hark
11	"	"	"	T-12		55	Polaris	604	2010	Robert Hark
12	"	"	"	T-12		40	Polaris	608	2015	Robert Hark
RESULTS	16104						NOTES: Last 3 loads late renewal			
281	CHLORIDE TEST	12								
	PAINT FILTER TEST	12								
ENTERED JUN 06 2008										

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Robert H. Hark COMPANY E-TECH SIGNATURE Robert H. Hark DATE 06-04-08
 COMPANY CONTACT 505 632-0615 PHONE 505 632-0615 DATE 06-04-08

ENVIROTECH INC.

Bill of Lading

30400

MANIFEST #

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 6-05-08 JOB # 92270-0204

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY				
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	Chetron	CF2	Cont Soil	U-12	12		Envirotech	559	955	Tolson H. J.	
2	"	"	"	U-12	12		"	572	955	"	
3	"	"	"	U-12	18		"	614	1120	Mick Host	
4	"	"	"	U-12	12		"	572	1230	"	
5	"	"	"	U-12	12		"	559	1240	Tolson H. J.	
6	"	"	"	U-12	18		"	614	1335	Mick Host	
7	"	"	"	U-12		130	Beck Springs	20	1350	"	
8	"	"	"	V-12	12		Envirotech	572	1500	"	
9	"	"	"	V-12	12		"	559	1315	Tolson H. J.	
10	"	"	"	V-12	18		"	614	1555	Mick Host	
11	"	"	"	V-12	120	130	Beck Springs	19	1600	Pete Manning	
12	"	"	"	W-12	120	130	Beck Springs	25	1710	Harvey Johnson	
RESULTS							NOTES:				
371(7)	CHLORIDE TEST	12	6007								
281(5)	PAINT FILTER TEST	12									
							390				
							ENTERED JUN 1				

ENTERED JUN 11 2008

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Jim Cardenas COMPANY 6-Tech SIGNATURE T. J. Tolson DATE 6-5-08
 COMPANY CONTACT Jim M PHONE 947-1166

Bill of Lading

MANIFEST

30408

DATE 6-5-08

JOB # 98

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

SIGNATURE

PHONE

DATE _____

San Juan reproduction 578-126

ENVIROTECH INC.

Bill of Lading

30416

MANIFEST #

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 6-06-08 JOB # 92270-0204

COMPLETE DESCRIPTION OF SHIPMENT				TRANSPORTING COMPANY							
LOAD NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	Chlorine Hallwood	LF2	Cont Soil	CC-12	12		Envirotech	559	1225	Robert Flotach	
2	"	"	"	CC-12	12		"	572	1225	Robert Flotach	
3	"	"	"	CC-12	20		"	560	1240	Robert Flotach	
4	"	"	"	CC-12		130	Rock Springs	30	1420	Peter Flotach	
5	"	"	"	CC-12	12		Envirotech	559	1505	Robert Flotach	
6	"	"	"	CC-12	12		"	572	1505	Robert Flotach	
7	"	"	"	DD-12		130	Rock Springs	19	1550	Peter Flotach	
8	"	"	"	DD-12		30	Rock Springs	25	1635	Robert Flotach	
9	"	"	"	DD-12		55	Polaris	604	1640	Robert Flotach	
10	"	"	"	SH		55	Polaris	608	1655	Robert Flotach	
					18	400					
RESULTS:				NOTES:				ENTERED JUN 10 2008			
CHLORIDE TEST 10				6067							
PAINT FILTER TEST 10											
LANDFARM EMPLOYEE:				COMPANY				SIGNATURE			

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Robert Flotach COMPANY Envirotech SIGNATURE Robert Flotach DATE 6-6-08

30422

DATE 6-9-08 JOB # 92210-0204

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

6-7-09

30426

JOB # 92210-0204

can join reproduction 578-128

ENVIROTECH INC.

Bill of Lading

30434

MANIFEST

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 6-10-08

JOB #

JOB # 93270-0204

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBL'S	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Chesterwood HALLWOOD	BF	Sudge	U-20		130	Rock Springs	90	1420	Peter [Signature]
2	"	"	"	V-20		130	Rock Springs	85	1655	[Signature] Peter [Signature]
3	"	"	"	W-20		100	Rock Springs	22	1835	[Signature] John [Signature]
4	"	"	"	X-20		55	Polaris	815	1930	[Signature] Paul [Signature]
5	"	"	"	X-20		55	Polaris	608	1930	[Signature] C.L.
						470				
										ENTERED JUN 13 2008

RESULTS

CHLORIDE TEST

**LANDFARM
EMPLOYEE:**

2017

NOTES:

NOTES:
1st 3 roads late renewal

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME _____

John Lee

COMPANY

Rock Spring

SIGNATURE

July 27

COMPANY CONTACT

PHONE

DATE 06-10-08

Bill of Lading

30443

MANIFEST #

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 6-11-08

JOB #

JOB # 92270-0204

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBL'S	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	CHEVRON HALLWOOD LAPATA ROAD	L.F-2	cont Prod	W-20	16		ENVIROTECH	614	11:30	Michael Host
2	"	"	"	W-20	10		"	614	16:15	Michael Host
3	"	"	SINDEC	Y-20	1	130	Rock Springs	80	17:15	Pete R. Ortiz
4	"	"	"	Y-20		30	Polaris	608	17:15	Juan C. Lopez
5	"	"	"	Y-20		55	"	815	17:15	Alfonso Lopez
					20 215					
RESULTS										
281(2)	CHLORIDE TEST	5								
532(3)	PAINT FILTER TEST	5								
		LANDFARM EMPLOYEE:	NOTES:							
			ENTERED JUN 17 2000							

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME MIKE HOYT

COMPANY

EdViroTech

SIGNATURE:

COMPANY CONTACT

PHONE

DATE 6-11-08

ENVIROTECH INC.

Bill of Lading

MANIFEST # **30545**

DATE **6-23-08** JOB # **92270-0204**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

COMPLETE DESCRIPTION OF SHIPMENT				TRANSPORTING COMPANY			
LOAD NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	
1	LF2	Chertron	Chertron		20		560 1020 <i>[Signature]</i>
2	"	"	"		20		" 545 1130 <i>[Signature]</i>
3	"	"	"		20		Envirotech 560 1235 <i>[Signature]</i>
4	"	"	"		20		" 545 1245 <i>[Signature]</i>
5	"	"	"		12		" 115 1335 <i>[Signature]</i>
6	"	"	"		18		" 614 1355 <i>[Signature]</i>
7	"	"	"		20		" 560 1500 <i>[Signature]</i>
8	"	"	"		20		" 545 1505 <i>[Signature]</i>
					<i>150</i>		

NOTES: **ENTERED JUN 25 2008**

LANDFARM EMPLOYEE: *Lonny*

CHLORIDE TEST

PAINT FILTER TEST

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME *[Signature]* COMPANY *Envirotech* SIGNATURE *[Signature]* DATE *6-23-08*

PHONE

COMPANY CONTACT

30555

MANIFEST #

JOB # 92270-0204

TRANSPORTING COMPANY

COMPLETE DESCRIPTION OF SHIPMENT

ENTERED JUN 27 2008

RESULTS

NOTES:

CHLORIDE TEST

**LANDFARM
EMPLOYEE:**

PAINT FILTER TEST

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME _____

COMPANY

SIGNATURE

COMPANY CONTACT

PHONE

DATE _____

10-74-9

APPENDIX B

Basin Disposal



BASIN DISPOSAL, INC.

*SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD
P.O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE (505) 632-9936

NO. **411929**
NIMCO PERMIT: NM-001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE

DEL TKT#

GENERATOR:

BILL TO:

HAULING CO.

DRIVER:

(Print Full Name)

ORDERED BY:

CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste

☐ Produced Water

☐ Drilling/Completion Fluids

☐ Reserve Pit

STATE: ☐ NM

☐ CO

☐ AZ

☐ UT

TREATMENT/DISPOSAL METHODS:

☒ EVAPORATION

☒ INJECTION

☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	TIME	AM	PM	COST	TOTAL
1								
2								
3								
4								
5								
TOTAL								

I, John H. Hester representative or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt, Oil field wastes generated from oil and gas exploration and production operations and not mixed with non-exempt waste, per OCD's mixing policy.

☒ Approved

☐ Denied

ATTENDANT SIGNATURE: John H. Hester



BASIN DISPOSAL, INC.
-SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD
P.O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE (505) 632-8936

NO. **41204**

NMOC PERMIT: NM-001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE

MAY 07, 2008

GENERATOR:

CHEVRON (ENVIRTECH INC)

HAULING CO.

ROCKSPRING

ORDERED BY:

NACLE HALLER

DEL TKT#

60501

BILL TO:

CHEVRON (ENV. INC)

DRIVER:

PETER SILKBY

CODES:

(Print Full Name)

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste

☒ Produced Water

☐ Drilling/Completion Fluids

☐ Reserve Pit

STATE: ☒ NM

☐ CO

☐ AZ

☐ UT

TREATMENT/DISPOSAL METHODS:

☒ EVAPORATION

☒ INJECTION

☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	TIME	AM	PM	COST	TOTAL
A1	1981	EVAPORATION POND FILL	130	3:55		✓		11375
2								
3								
4								
5								
TOTAL								

I, John Haller, representative or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt, Oil field wastes generated from oil and gas exploration and production operations and not mixed with non-exempt waste, per OCD's mixing policy.

☐ Approved

☐ Denied

ATTENDANT SIGNATURE:

John Haller



BASIN DISPOSAL, INC.
-SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD
P.O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE (505) 632-8936

NO. **412000**

NMOC D PERMIT: NM -001-0005
Oil Field Waste Document, Form C138

INVOICE:

DATE

MAY 07, 2008

GENERATOR:

ENVIROTECH INC

HAULING CO.

ROCK SPRING

ORDERED BY:

NACOLE HAWORTH

DEL. TKT#:

60455

BILL TO:

ENVIROTECH INC

DRIVER:

PETE LEE

CODES:

(Print Full Name)

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste

☒ Produced Water

☐ Drilling/Completion Fluids

☐ Reserve Pit

STATE: ☒ NM

☐ CO

☐ AZ

☐ UT

TREATMENT/DISPOSAL METHODS:

☒ EVAPORATION

☒ INJECTION

☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	TIME	AM	PM	COST	TOTAL
1	20 J-55	EVAPORATION POND FACILITY	130	11:25	/			113.75
2	20 J-55	EVAPORATION POND FAC.	130	4:00	/			113.75
3								
4								
5								
TOTAL								

I, [Signature] representative or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt, Oil field wastes generated from oil and gas exploration and production operations and not mixed with non-exempt waste, per OCD's mixing policy.

☒ Approved

☐ Denied

ATTENDANT SIGNATURE: [Signature]



BASIN DISPOSAL, INC.
-SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD
P.O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE (505) 632-8936

DATE

MAY 08, 2008

GENERATOR:

CHEVRON ENVIRONMENTAL INC.

HAULING CO.

ROCK SPRING

ORDERED BY:

NACOLE HAYWARD

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste

☒ Produced Water

☐ Drilling/Completion Fluids

☐ Reserve Pit

STATE: ☒ NM

☐ CO

☐ AZ

☐ UT

TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION

☒ INJECTION

☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	TIME	AM	PM	COST	TOTAL
21	19 T-54	EVAPORATION POND FACILITY	130	11:15	/			113.75
2								
3								
4								
5								
TOTAL								

NO. 412134

NMOC PERMIT NM-001-0005

Oil Field Waste Document, Form C138

INVOICE:

DEL. TKT# 59823

BILL TO:

CHEVRON ENV. INC.

DRIVER:

PETER SHORTY

(Print Full Name)

CODES:

I, Peter Shorty, representative or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt, Oil field wastes generated from oil and gas exploration and production operations and not mixed with non-exempt waste, per OCD's mixing policy.

☐ Approved

☐ Denied

ATTENDANT SIGNATURE:

Peter Shorty



BASIN DISPOSAL, INC.
-SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD
P.O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE (505) 632-8936

NO. **412145**

NMOC PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE MAY 08, 2008

GENERATOR: CHEVRON (ENVIRONMENTAL INC)

HAULING CO. ROCK SPRING

ORDERED BY: NAGOLE HAYWARD

DEL TKT# 60164

BILL TO: CHEVRON (ENV. INC)

DRIVER: PETE LEE

(Print Full Name)

CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste

☒ Produced Water

☐ Drilling/Completion Fluids ☐ Reserve Pit

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	TIME	AM	PM	COST	TOTAL
1	R520 7-55	EVAPORATION POND FACILITY	130	12:30		/		113.75
2								
3								
4								
5								
TOTAL								

I, Pete Lee representative or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt, Oil field wastes generated from oil and gas exploration and production operations and not mixed with non-exempt waste, per OCD's mixing policy.

☒ Approved

☐ Denied

ATTENDANT SIGNATURE: Peter Begay



BASIN DISPOSAL, INC.
SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD
P.O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE (505) 632-8936

NO. **41233A**

NMOC PERMIT: NM-001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE

5/9/88

DEL. TKT#

595211

GENERATOR:

Cherka Campbell

HAULING CO.

Rock Spring

BILL TO:

Cherka

ORDERED BY:

Archie Hayward

DRIVER:

Peter Shuler

(Print Full Name)

CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste

☒ Produced Water

☐ Drilling/Completion Fluids

☐ Reserve Pit

STATE: ☐ NM ☐ CO ☐ AZ ☐ UT TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	TIME	AM	PM	COST	TOTAL
1	19/84	Evaporator Pit	130	4:16		V		113.75
2								
3								
4								
5								
TOTAL								

I, Peter Shuler representative or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt, Oil field wastes generated from oil and gas exploration and production operations and not mixed with non-exempt waste, per OCD's mixing policy.

☒ Approved

☐ Denied

ATTENDANT SIGNATURE: Archie Hayward



BASIN DISPOSAL, INC.

SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD
P.O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE (505) 632-8936

NO. 412278

NMOC D PERMIT: NM -001-0005

Oil Field Waste Document, Form C138

INVOICE:

DEL. TKT# 66156

DATE

5/9/68

GENERATOR:

Enveloch

HAULING CO.

Red Young Hauling

ORDERED BY:

Acille Hays

BILL TO:

Enveloch

DRIVER:

Pelotee

(Print Full Name)

CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste

☒ Produced Water ☐ Drilling/Completion Fluids ☐ Reserve Pit

STATE: ☐ NM ☐ CO ☐ AZ ☐ UT TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	TIME	AM	PM	COST	TOTAL
1	AS26	1, 1, 1, 1	132	11:30	V			113.5
2								
3								
4								
5								
TOTAL								

I, Acille Hays representative or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt, Oil field wastes generated from oil and gas exploration and production operations and not mixed with non-exempt waste, per OCD's mixing policy.

☒ Approved

☐ Denied

ATTENDANT SIGNATURE: Acille Hays

**BASIN DISPOSAL, INC.**SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD
P.O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE (505) 832-8936

N 412278

NMUCD PERMIT: NM-001-0005
Oil Field Waste Document Form 0138

INVOICE:

DEL. TKT#:

BILL TO:

DRIVER:

(Print Full Name)

CODES:

DATE

GENERATOR:

HAULING CO.:

ORDERED BY:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste☒ Produced Water☐ Drilling/Completion Fluids☐ Reserve PitSTATE: ☒ NM☐ CO☐ AZ☐ UT

TREATMENT/DISPOSAL METHODS:

☒ EVAPORATION☒ INJECTION☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	TIME	AM	PM	COST	TOTAL
1	RS20	Evaporation Pond Fac	130	11:30	✓			113.75
2								
3								
4								
5								
							TOTAL	

I, [Signature] representative or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt, Oil field wastes generated from oil and gas exploration and production operations and not mixed with non-exempt waste, per OCD's mixing policy.

☒ Approved☐ Denied

ATTENDANT SIGNATURE

[Signature]

San Juan reproduction 116-6

APPENDIX C

Special Waste Shipment Records



WM of NM - San Juan County
78 County Road 3140
Aztec, NM, 87410
Ph: (505) 334-1121

Original
Ticket# 1113251

92210-0204

Customer Name ENVIROTECH INC Carrier ENVIRO ENVIRO TECH INC
Ticket Date 06/10/2008 Vehicle# XXX Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000055
State Waste Code Gen EPA ID
Manifest 15168
Destination Grid
PO 9785
Profile 100187NM (PVC PIPE AND PLASTIC LINER)
Generator 153-CHEVRON LA PLATA WATER CHEVRON LAPLATA PRODUCED WATER

	Time	Scale	Operator	Inbound	Gross
In	06/10/2008 12:22:53	MANUAL WT	vickyq		Tare
Out	06/10/2008 12:22:53		vickyq		Net
					Tons

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Cubic 100		10.00	Yards	16.50		\$165.00	SANJ
2 FUEL-TAX-Taxable F 100			%	7.37	1.55	\$25.06	SANJ
3 PENV-TAX-Taxable E 100			%	2.00	0.42	\$6.80	SANJ
4 CNT-CNT 100		1	Each	175.00	10.83	\$175.00	SANJ

Total Tax \$12.80
Total Ticket \$384.66

Driver's Signature



WM of NM - San Juan County
78 County Road 3140
Aztec, NM, 87410

Reprint
Ticket# 1113761
Ph: (505) 334-1121

Customer Name ENVIROTECH INC ENVIROTECH INC Carrier ENVIRO ENVIRO TECH INC
Ticket Date 06/12/2008 Vehicle# XXX Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0000055
Destination Grid
PO# 9785

	Time	Scale	Operator	Inbound	Gross
In	06/12/2008 12:59:03	MANUAL WT	tlockhar		Tare
Out	06/12/2008 12:59:03		tlockhar		Net
					Tons

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Cubic Yards	100	18.00	Yards	16.50		\$297.00	SANJ
2 FUEL-T-Fuel Surcharge -	100		%	7.37	1.35	\$21.89	SANJ
3 PENV-T-Environmental Fee	100		%	2.00	0.37	\$5.94	SANJ

Total Tax \$1.72
Total Ticket \$326.55

Driver's Signature





WM of NM - San Juan County
78 County Road 3140
Aztec, NM, 87410

Reprint
Ticket# 1113837
Ph: (505) 334-1121

Customer Name ENVIROTECH INC ENVIROTECH INC Carrier ENVIRO ENVIRO TECH INC
Ticket Date 06/12/2008 Vehicle# XXX Volume

Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 9785

Container
Driver
Check#
Billing# 0000055
Grid

	Time	Scale	Operator	Inbound	Gross
In	06/12/2008 16:30:41	MANUAL WT	tlockhar		Tare
Out	06/12/2008 16:30:41		tlockhar		Net
					Tons

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Cubic Yards	100	24.00	Yards	16.50		\$396.00	SANJ
2 FUEL-T-Fuel Surcharge -	100		%	7.37	1.81	\$29.19	SANJ
3 PENV-T-Environmental Fee	100		%	2.00	0.49	\$7.92	SANJ

Total Tax \$2.30
Total Ticket \$435.41

Driver's Signature





WM of NM - San Juan County
78 County Road 3140
Aztec, NM, 87410

Reprint
Ticket# 1113993
Ph: (505) 334-1121

Customer Name ENVIROTECHINC ENVIROTECH INC Carrier ENVIRO ENVIRO TECH INC
Ticket Date 06/13/2008 Vehicle# XXX Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0000055
Destination Grid
PO# 9785

	Time	Scale	Operator	Inbound	Gross
In	06/13/2008 11:54:52	MANUAL WT	tlockhar		Tare
Out	06/13/2008 11:54:52		tlockhar		Net
					Tons

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Cubic Yards	100	24.00	Yards	16.50		\$396.00	SANJ
2 FUEL-T-Fuel Surcharge -	100		%	7.37	1.81	\$29.19	SANJ
3 PENV-T-Environmental Fee	100		%	2.00	0.49	\$7.92	SANJ

Total Tax \$2.30
Total Ticket \$435.41

Driver's Signature





WM of NM - San Juan County
78 County Road 3140
Aztec, NM, 87410

Reprint
Ticket# 1113999

Ph: (505) 334-1121

Customer Name ENVIROTECH INC ENVIROTECH INC Carrier ENVIRO ENVIRO TECH INC
Ticket Date 06/13/2008 Vehicle# XXX Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0000055
Destination Grid
PO# 9785

	Time	Scale	Operator	Inbound	Gross
In	06/13/2008 12:34:13	MANUAL WT	tlockhar		Tare
Out	06/13/2008 12:34:13		tlockhar		Net
					Tons

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Cubic Yards	100	24.00	Yards	16.50		\$396.00	SANJ
2 FUEL-T-Fuel Surcharge -	100		%	7.37	1.81	\$29.19	SANJ
3 PENV-T-Environmental Fee	100		%	2.00	0.49	\$7.92	SANJ

Total Tax \$2.30
Total Ticket \$435.41

Driver's Signature





WM of NM - San Juan County
78 County Road 3140
Aztec, NM, 87410

Reprint
Ticket# 1115214

Ph: (505) 334-1121

Customer Name ENVIROTECHINC ENVIROTECH INC Carrier ENVIRO ENVIRO TECH INC
Ticket Date 06/18/2008 Vehicle# XXX Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#

Hauling Ticket#
Destination
PO# 9785

Billing# 0000055
Grid

Time
In 06/18/2008 09:38:30
Out 06/18/2008 09:38:30

Scale
MANUAL WT

Operator
tlockhar
tlockhar

Inbound Gross
Tare
Net
Tons

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Cubic Yards	100	20.00	Yards	16.50		\$330.00	SANJ
2 FUEL-T-Fuel Surcharge -	100		%	7.37	1.50	\$24.32	SANJ
3 PENV-T-Environmental Fee	100		%	2.00	0.41	\$6.60	SANJ

Total Tax \$1.91
Total Ticket \$362.83

Driver's Signature



APPENDIX D

Site Photography

**Chevron Mid-Continent LP
Hallwood Evaporation Pond
Project No. 92270-1646**



2005 Aerial



2006 Aerial

**Chevron Mid-Continent LP
Hallwood Evaporation Pond
Project No. 92270-1646**



Photo 1



Photo 2

**Chevron Mid-Continent LP
Hallwood Evaporation Pond
Project No. 92270-1646**



Photo 3



Photo 4

**Chevron Mid-Continent LP
Hallwood Evaporation Pond
Project No. 92270-1646**



Photo 5



Photo 6

**Chevron Mid-Continent LP
Hallwood Evaporation Pond
Project No. 92270-1646**



Photo 7



Photo 8

**Chevron Mid-Continent LP
Hallwood Evaporation Pond
Project No. 92270-1646**



Photo 9



Photo 10

**Chevron Mid-Continent LP
Hallwood Evaporation Pond
Project No. 92270-1646**



Photo 11



Photo 12

**Chevron Mid-Continent LP
Hallwood Evaporation Pond
Project No. 92270-1646**



Photo 13

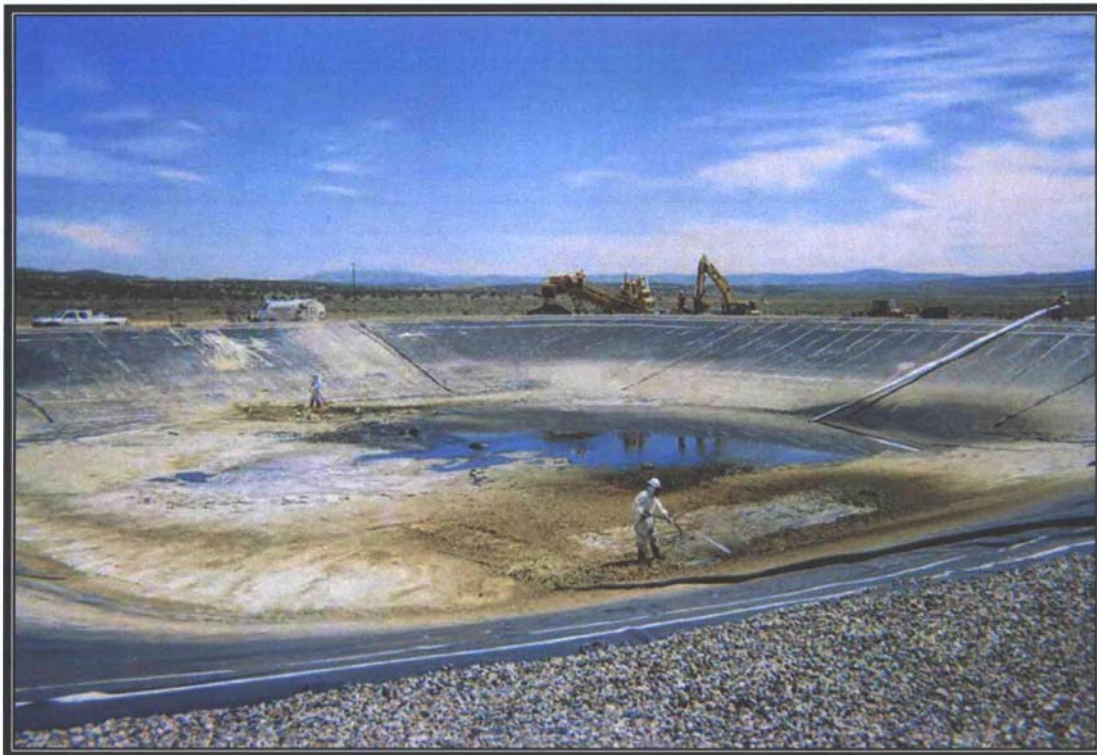


Photo 14

**Chevron Mid-Continent LP
Hallwood Evaporation Pond
Project No. 92270-1646**



Photo 15



Photo 16

**Chevron Mid-Continent LP
Hallwood Evaporation Pond
Project No. 92270-1646**



Photo 17: Trench for Sump Investigation



Photo 18: Trench

**Chevron Mid-Continent LP
Hallwood Evaporation Pond
Project No. 92270-1646**

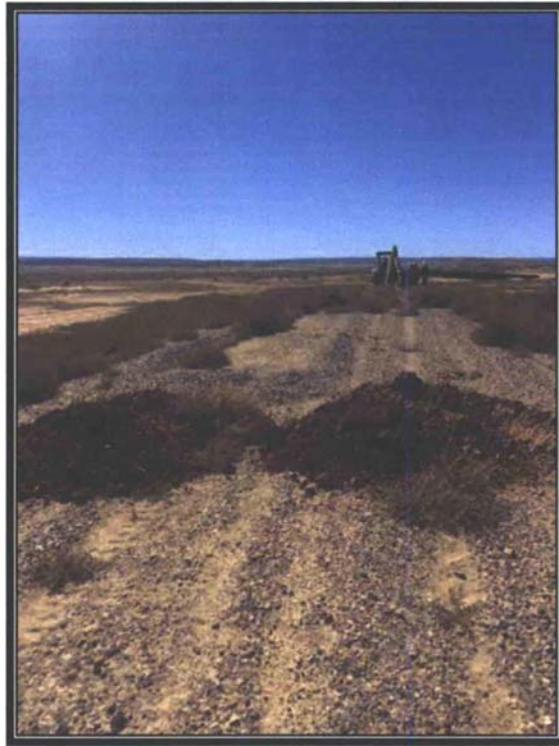


Photo 19: Composite Sample Locations

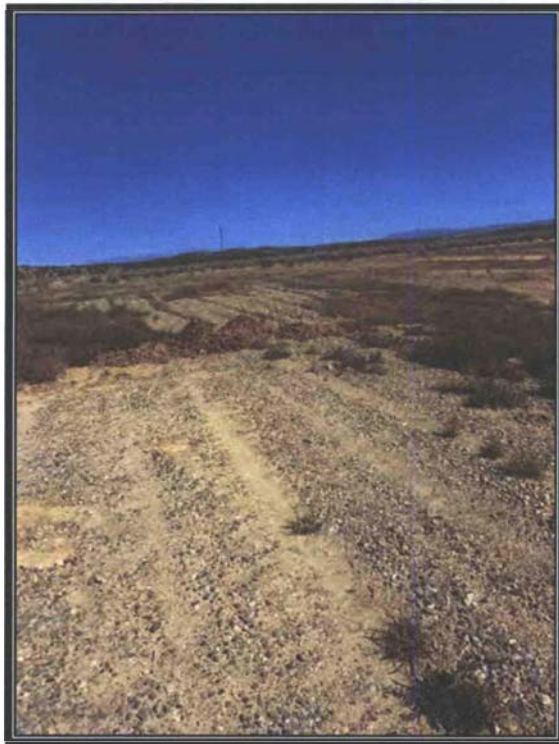


Photo 20: Composite Sample Locations