3R-1001

2013 Annual Monitoring Report Date: 5/20/2014



May 20, 2014

ENTERPRISE PRODUCTS PARTNERS L.P. ENTERPRISE PRODUCTS HOLDINGS LLC (General Partner) ENTERPRISE PRODUCTS OPERATING LLC

Return Receipt Requested 7011 3500 0002 5551 0263

Mr. Jim Griswold, Senior Hydrologist Environmental Bureau ENMRD/Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

District Copy For Scanning Only Has NOT been processed.

OIL CONS. DIV DIST. 3

MAY 2 2 2014

RE: Annual Groundwater Monitoring Report (2013 Sampling Events) Largo Compressor Station Enterprise Field Services, LLC OCD RP# 3R-1001 OCD GW Discharge Permit Number: GW-211 Rio Arriba County, New Mexico

Dear Mr. Griswold,

Enterprise Field Services, LLC (Enterprise) is submitting two (2) copies of the enclosed Annual Groundwater Monitoring Report (2013 Sampling Events), for the facility referenced above. Groundwater conditions are monitored at four primary investigation areas, Area 1 (Condensate Storage Tank Area), Area 2 (Valve Box Area), Area 3 (Retention Pond Area), and Area 4 (Compression and Dehydration Area).

Previously submitted reports for this facility also include the Interim Remedial Investigation Report dated May 15, 2010, the Proposed Facility-Wide Soil and Groundwater Investigation and Remedial Activities report dated June 10, 2010, and the Environmental Site Investigation – Largo Compressor Station (GW-211), dated March 24, 2011.

Due to recent increases in dissolved-phase benzene concentrations at downgradient monitor well location MW-47, Enterprise is currently planning additional groundwater investigations of this area. MW-47 is located downgradient of the former facility condensate tank locations. The OCD local office will be notified prior to the investigation. If you have any questions, or require additional information, please do not hesitate to contact me at (713) 381-2286, or drsmith@eprod.com.

Sincerely,

David R. Smith, P.G.

Sr. Environmental Scientist

Dregny E. Milla

Gregory E. Miller, P.G. Supervisor, Environmental

/dep Enclosures (2)

cc: Brandon Powell, New Mexico Oil Conservation Division, 1000 Rio Brazos Road, Aztec, NM 87410 H. C. Berry, P.O. Box 579, Dexter, NM 88230

ec: Chris Mitchell, APEX (formerly Southwest Geoscience) Kyle Summers, APEX (formerly Southwest Geoscience)

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OIL CONS. DIV DIST. 3 MAY 2 2 2014

ANNUAL GROUNDWATER MONITORING REPORT (2013 Sampling Events)

GROUNDWATER DISCHARGE PLAN GW-211

Property:

LARGO COMPRESSOR STATION Section 15, Township 26N, Range 7W Rio Arriba County, New Mexico SWG Project No. 0410G002 January 9, 2014

Prepared for: Enterprise Field Services, LLC P.O. Box 4324 Houston, Texas 77210-4324 Attention: Mr. David R. Smith, P.G.

PREPARED BY:

aronna

Kyle Summers, C.P.G. Senior Geologist/ Manager, Four Corners

B. Chris Mitchell, P.G. Principal Geoscientist



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ANNUAL GROUNDWATER MONITORING REPORT (2013 Sampling Events) GROUNDWATER DISCHARGE PLAN GW-211

LARGO COMPRESSOR STATION Section 15, Township 26N, Range 7W Rio Arriba County, New Mexico SWG Project No. 0410G002

1.0 INTRODUCTION

1.1 Site Description & Background

The Largo Compressor Station is located off of County Road (CR) 379 in Section 15, Township 26N, Range 7W in Rio Arriba County, New Mexico, referred to hereinafter as the "Site" or "subject Site". The Site is a natural gas compressor station utilized to dehydrate and compress natural gas collected from production wells in the area for transportation via pipeline. The Site was constructed in the mid-1960s and currently includes two (2) compressor engines, a dehydration unit and related treater, one (1) bullet storage tank, a new condensate storage tank battery, which includes seven (7) new condensate storage tanks, inlet scrubbers, a control room, and an office/shop building.

The Site is subject to regulatory oversight by the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), Oil Conservation Division (OCD). To address activities related to crude oil/condensate related releases, the New Mexico EMNRD OCD utilizes the *Guidelines for Remediation of Leaks, Spills and Releases* as guidance, in addition to the EMNRD/OCD rules, specifically New Mexico Administrative Code (NMAC) 19.15.30 Remediation. These guidance documents establish investigation and abatement action requirements for sites subject to reporting and/or corrective action.

The Site location is depicted on Figure 1 of Appendix A which was reproduced from a portion of the United States Geological Survey (USGS) 7.5-minute series topographic map. A Site vicinity map, created from an aerial photograph, is provided as Figure 2 of Appendix A.

The areas of known or suspected impact at the Site have been previously identified as Areas 1 through 4 in OCD correspondence. Each of the areas is depicted on Figure 3 in relation to pertinent Site features and general Site boundaries. These areas are briefly described below:

Area 1 (Former Condensate Storage Tank Area)

Area 1 is defined as the northwestern portion of the Site and includes the former condensate storage tank battery associated with on-going investigation and/or corrective actions since a release from a condensate storage tank valve was reported to the OCD in January of 2008. Additional detail regarding the investigative and corrective activities at Area 1 are provided in the *Environmental Site Investigation – Largo Compressor Station (GW-211) (Southwest Geoscience (SWG) - March 24, 2011)*, and the

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Corrective Action Pilot Study Report (SWG – October 10, 2011). The old condensate storage tanks were physically removed from Area 1 during July/August 2012.

Area 2 (Valve Box Area)

Area 2 includes the new condensate storage tank battery and the immediately surrounding areas. This area is in the north central portion of the Site, immediately south of CR 379. During the construction of the new tank battery in June 2009, petroleum hydrocarbon impacted soils and groundwater were encountered in association with a former valve box and related appurtenances. Additional detail regarding the investigative and corrective activities at Area 2 are provided in the *Environmental Site Investigation – Largo Compressor Station (GW-211) (SWG - March 24, 2011)*.

Area 3 (Retention Pond Area)

Area 3 encompasses the northeast portion of the Site including the storm-water retention pond. Historical petroleum hydrocarbon affected soil and groundwater were identified during the construction of the retention pond in July of 2009, which apparently originated from historic oil and contact water treatment and storage in the area of the current retention pond. Additional detail regarding the investigative and corrective activities at Area 3 are provided in the *Environmental Site Investigation – Largo Compressor Station (GW-211) (SWG - March 24, 2011)*, and the *Supplemental Site Investigation & Quarterly Groundwater Monitoring Report (April 2012) (SWG – June 31, 2012)*.

Area 4 (Compression & Dehydration Area)

Area 4 includes the remainder of the Site, which includes the active compression and treatment area comprised of two (2) compressor engines, a dehydration unit and related inlet scrubbers. Soil and groundwater investigation activities pertaining to Area 4 are provided in the *Environmental Site Investigation – Largo Compressor Station (GW-211)* (SWG - March 24, 2011), and the Supplemental Site Investigation & Quarterly Groundwater Monitoring Report (April 2012) (SWG – June 31, 2012).

1.2 Scope of Work

The objective of the groundwater monitoring events was to further evaluate the concentrations of constituents of concern (COCs) in groundwater at the Site.

1.3 Standard of Care & Limitations

The findings and recommendations contained in this report represent SWG's professional opinions based upon information derived from on-Site activities and other services performed under this scope of work and were arrived at in accordance with currently acceptable professional standards. The findings were based upon analytical provided by an independent laboratory. Evaluations of the results geologic/hydrogeologic conditions at the Site for the purpose of this investigation are made from a limited number of available data points (i.e. soil borings and ground water samples) and site wide subsurface conditions may vary from these data points. SWG makes no warranties, express or implied, as to the services performed hereunder.



Additionally, SWG does not warrant the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties).

This report is based upon a specific scope of work requested by Enterprise Field Services LLC (Enterprise). The agreement between SWG and Enterprise outlines the scope of work, and only those tasks specifically authorized by that agreement or outlined in this report were performed. This report has been prepared for the intended use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and SWG.

2.0 SAMPLING PROGRAM

Semi-annual groundwater sampling events were conducted during April and October 2013 by SWG environmental professionals Aaron Bryant, Joseph Doyle, Aaron Bentley, and Kyle Summers.

SWG's groundwater sampling program consisted of the following:

Prior to sample collection, SWG gauged the depth to fluids in each monitoring well using an interface probe capable of detecting light non-aqueous phase liquids (LNAPL). Monitoring wells exhibiting measurable LNAPL were not sampled during the completion of the groundwater monitoring events.

Each monitoring well was micro-purged utilizing low-flow sampling techniques. Lowflow refers to the velocity with which groundwater enters the pump intake and that is imparted to the formation pore water in the immediate vicinity of the well screen. It does not necessarily refer to the flow rate of water discharged at the surface which can be affected by flow regulators or restrictions. Water level drawdown provides the best indication of the stress imparted by a given flow-rate for a given hydrological situation. The objective is to pump in a manner that minimizes stress (drawdown) to the system, to the extent practical, taking into account established Site sampling objectives. Flow rates on the order of 0.1 to 0.5 L/min will be maintained during sampling activities, using dedicated sampling equipment.

The utilization of low-flow minimal drawdown techniques enables the isolation of the screened interval groundwater from the overlying stagnant casing water. The pump intake is placed within the screened interval such that the groundwater recovered is drawn in directly from the formation with little mixing of casing water or disturbance to the sampling zone.

Subsequent to the completion of the micro-purge process, one (1) groundwater sample was collected from each monitoring well not observed to contain LNAPL. The groundwater samples were collected from each monitoring well once produced groundwater was consistent in color, clarity, pH, DO, ORP, temperature and conductivity.

Groundwater samples were collected in laboratory supplied containers, sealed with custody tape and placed on ice in a cooler secured with a custody seal. The sample coolers and completed chain-of-custody forms were relinquished to Hall Environmental



Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

3.0 LABORATORY ANALYTICAL PROGRAM

The groundwater samples collected from the monitoring wells during the groundwater sampling events were analyzed for total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and diesel range organics (DRO) utilizing EPA method SW-846#8015, and benzene, toluene, ethylbenzene and xylenes (BTEX) utilizing EPA method SW-846 #8021. The containers containing the samples for organic analyses were pre-preserved with HgCl₂.

A summary of the analysis, sample type, sample frequency and EPA-approved methods are presented on the following table:

Analysis	Sample Type	No. of Samples	Method	
TPH GRO/DRO	Groundwater	27 (April)	SW-846# 8015M	
TPH GRO/DRO	Groundwater	33 (October)	SW-846# 8015M	
DTEV	Groundwater	27 (April)	SW-846# 8021B	
BTEX	Groundwater	33 (October)	SW-846# 8021B	

Laboratory results are summarized in Table 1 included in Appendix B. The executed chain-of-custody form and laboratory data sheets are provided in Appendix C.

4.0 GROUNDWATER FLOW DIRECTION

Each of the monitoring wells has been surveyed for top-of-casing (TOC) elevations. Prior to sample collection, SWG gauged the depth to fluids in each monitoring well. Based on 2013 data, the groundwater flow direction at the Site is generally towards the northwest, with a gradient of approximately 0.003 to 0.004 ft/ft across the Site.

Groundwater measurements collected during the most recent gauging event are presented with TOC elevations in Table 2, Appendix B. Groundwater gradient maps for the April and October 2013 events are included as Figures 4A and 4B (Appendix A), respectively.

5.0 DATA EVALUATION

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address activities related to crude oil/condensate related releases, the New Mexico EMNRD OCD utilizes the *Guidelines for Remediation of Leaks, Spills and Releases* as guidance, in addition to the EMNRD/OCD rules, specifically NMAC 19.15.30 Remediation. These guidance documents establish investigation and abatement action requirements for

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sites subject to reporting and/or corrective action.

5.1 Groundwater Samples

SWG compared BTEX concentrations or laboratory reporting limits (RLs) associated with the groundwater samples collected from monitoring wells during the April 2013 and October 2013 sampling events to the New Mexico Water Quality Control Commission (WQCC) *Groundwater Quality Standards;* however, the New Mexico WQCC *Groundwater Quality Standards* may not be applicable since the initial groundwater-bearing unit may not be considered an "Underground Source of Drinking Water" in accordance with 19.15.30 NMAC *Remediation* due to elevated Total Dissolved Solids concentrations. The results of the groundwater sample analyses are summarized in Table 1 of Appendix B.

April 2013

Benzene, Toluene, Ethylbenzene, and Xylenes

Due to the presence of LNAPL hydrocarbons in association with the initial groundwaterbearing unit, monitoring wells MW-33 and MW-35 were not sampled during the completion of field activities. In addition, due to the absence of groundwater (monitoring well was dry), a groundwater sample was not collected from monitoring well MW-42 during the April 2013 groundwater sampling event.

The groundwater samples collected from monitoring wells MW-7, MW-11, MW-12, MW-16, MW-37, MW-48, and MW-52 exhibited benzene concentrations ranging from 10 µg/L to 6,900 µg/L, which exceed the WQCC *Groundwater Quality Standard* of 10 µg/L.

The groundwater samples collected from the remaining monitoring wells did not exhibit benzene concentrations above the WQCC *Groundwater Quality Standard* of 10 µg/L.

The groundwater sample collected from monitoring wells MW-12 and MW-37 exhibited toluene concentrations of 150 μ g/L and 260 μ g/L, respectively, which are below the WQCC *Groundwater Quality Standard* of 750 μ g/L.

The groundwater samples collected from the remaining monitoring wells did not exhibit toluene concentrations above the laboratory RLs, which are below the WQCC *Groundwater Quality Standard* of 750 µg/L.

The groundwater samples collected from monitoring wells MW-7, MW-11, MW-12, MW-37, MW-47, MW-48, MW-51, and MW-55 exhibited ethylbenzene concentrations ranging from 1.5 μ g/L (at MW-11) to 230 μ g/L (at MW-37), which are below the WQCC *Groundwater Quality Standard* of 750 μ g/L.

The groundwater samples collected from the remaining monitoring wells did not exhibit ethylbenzene concentrations above the laboratory RLs, which are below the WQCC *Groundwater Quality Standard* of 750 µg/L.

The groundwater samples collected from monitoring wells MW-12, MW-37, and MW-55 exhibited xylenes concentrations ranging from $710 \mu g/L$ (at MW-55) to 1,100 $\mu g/L$ (at MW-37), which exceed the WQCC *Groundwater Quality Standard* of 620 $\mu g/L$. The



groundwater sample collected from monitoring well MW-48 exhibited a xylenes concentration of $310 \mu g/L$, which is below the WQCC *Groundwater Quality Standard* of $620 \mu g/L$.

The groundwater samples collected from the remaining monitoring wells did not exhibit xylene concentrations above the laboratory RLs, which are below the WQCC *Groundwater Quality Standard* of $620 \mu g/L$.

TPH Gasoline Range Organics/Diesel Range Organics

The groundwater samples collected from the monitoring wells during April 2013 exhibited TPH GRO concentrations ranging from <0.050 mg/L to 23 mg/L, and TPH DRO concentrations ranging from <1.0 mg/L to 5.8 mg/L. The highest GRO concentration during the April 2013 sampling event was observed in the groundwater sample from monitoring well MW-12 (23 mg/L) and the highest DRO concentration was also observed in the sample from MW-12 (5.8 mg/L).

October 2013

Benzene, Toluene, Ethylbenzene, and Xylenes

Due to the presence of LNAPL hydrocarbons in association with the initial groundwaterbearing unit, monitoring wells MW-33 and MW-35 were not sampled during the completion of field activities. In addition, due to the absence of groundwater (monitoring well was dry), a groundwater sample was not collected from monitoring well MW-42 during the October 2013 groundwater sampling event. Please note, monitoring wells MW-11 and MW-12 were plugged and abandoned during the completion of corrective action activities in September 2013.

The groundwater samples collected from monitoring wells MW-7, MW-16, MW-37, MW-39, MW-47, and MW-48 exhibited benzene concentrations ranging from 11 μ g/L (at MW-16) to 580 μ g/L (at MW-37), which exceed the WQCC *Groundwater Quality Standard* of 10 μ g/L.

The groundwater samples collected from the remaining monitoring wells did not exhibit benzene concentrations above the WQCC *Groundwater Quality Standard* of 10 µg/L.

The groundwater sample collected from MW-37 exhibited a toluene concentration of 170 µg/L which is below the WQCC *Groundwater Quality Standard* of 750 µg/L.

The groundwater samples collected from the remaining monitoring wells did not exhibit toluene concentrations above the laboratory RLs, which are below the WQCC *Groundwater Quality Standard* of 750 µg/L.

The groundwater samples collected from monitoring wells MW-16,MW-37, MW-47, MW-48, and MW-55 exhibited ethylbenzene concentrations ranging from 1.2 μ g/L (at MW-16) to 150 μ g/L (at MW-37), which are below the WQCC *Groundwater Quality Standard* of 750 μ g/L.

The groundwater samples collected from the remaining monitoring wells did not exhibit ethylbenzene concentrations above the laboratory RLs, which are below the WQCC

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Groundwater Quality Standard of 750 µg/L.

The groundwater samples collected from monitoring wells MW-37 and MW-48 exhibited xylenes concentrations of 610 μ g/L and 83 μ g/L, respectfully, which are below the WQCC *Groundwater Quality Standard* of 620 μ g/L.

The groundwater samples collected from the remaining monitoring wells did not exhibit xylenes concentrations above the laboratory RLs, which are below the WQCC *Groundwater Quality Standard* of 620 µg/L.

TPH Gasoline Range Organics/Diesel Range Organics

The groundwater samples collected from the monitoring wells during October 2013 exhibited TPH GRO concentrations ranging from <0.050 mg/L to 10 mg/L, and TPH DRO concentrations ranging from <1.0 mg/L to 7.7 mg/L. The highest GRO concentration during the October 2013 sampling event was observed in the groundwater sample from monitoring well MW-37 (10 mg/L) and the highest DRO concentration was also observed in the sample from MW-37 (7.7 mg/L).

6.0 FINDINGS

During April and October 2013, SWG conducted semi-annual groundwater monitoring events at the Largo Compressor Station. The Site is a natural gas compressor station utilized to dehydrate and compress natural gas collected from production wells in the area for transportation via pipeline. The Site was constructed in the mid-1960s, and is located off of CR 379 in Section 15, Township 26N, Range 7W in Rio Arriba County, New Mexico. The objective of the groundwater monitoring event was to further evaluate the concentrations of COCs in groundwater.

- Prior to sample collection during each event, SWG gauged the depth to fluids in each monitoring well using an interface probe capable of detecting LNAPL. Monitoring wells MW-33 and MW-35 exhibited LNAPL during the April and October 2013 events and were not sampled. Monitoring wells MW-12 and MW-37 did not exhibit a measurable LNAPL sheen during 2013 as was observed during the October 2012 sampling event.
- Monitoring wells MW-11 and MW-12 were removed in September 2013 during soil remediation activities at Area 1.
- During the completion of the sampling event, one (1) groundwater sample was collected from each monitoring well utilizing low-flow sampling techniques. Monitoring well MW-42 was effectively dry during the 2013 sampling events and was not sampled.
- The groundwater flow direction at the Site is generally towards the northwest, with an approximate gradient of 0.003 to 0.004 ft/ft across the Site.
- During the April 2013 event, the groundwater samples collected from monitoring wells MW-7, MW-11, MW-12, MW-16, MW-37, MW-48, and MW-52 exhibited benzene concentrations ranging from 10 µg/L to 6,900 µg/L, which exceed the

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WQCC Groundwater Quality Standard of 10 µg/L.

- During the April 2013 event, the groundwater samples collected from monitoring wells MW-12, MW-37, and MW-55 exhibited xylenes concentrations ranging from 710 µg/L (at MW-55) to 1,100 µg/L (at MW-37), which exceed the WQCC Groundwater Quality Standard of 620 µg/L.
- During the October 2013 event, the groundwater samples collected from monitoring wells MW-7, MW-16, MW-37, MW-39, MW-47, and MW-48 exhibited benzene concentrations ranging from 11 µg/L (at MW-16) to 580 µg/L (at MW-37), which exceed the WQCC *Groundwater Quality Standard* of 10 µg/L.
- The groundwater samples collected from monitoring wells MW-52 and MW-55 demonstrated COC exceedances for the first time during the April 2013 event, but the elevated results did not repeat during the October 2013 event. These occurrences will be evaluated against future monitoring event results to determine if additional delineation activities are required.
- The groundwater sample collected from monitoring well MW-47 during the October 2013 event demonstrated a benzene concentration of 190 µg/L, which significantly exceeds the WQCC Groundwater Quality Standard of 10 µg/L. The highest previously observed benzene concentration at MW-47 was 11 µg/L from the April 2012 sampling event. This occurrence will be evaluated against future monitoring event results to determine if additional delineation activities are required, and the monitoring well may be re-sampled to verify the result.
- In general, the COC concentrations in groundwater across the Site declined with respect to the October 2012 monitoring results, possibly due to the recent winter thaw which has also resulted in above-average water level elevations from melt-water infiltration (April 2013 event) combined with atypically heavy rain/flooding events in the late Summer (October 2013 event). An acute hydrologic event, such as the late Summer flooding, may also serve to increase the plume migration rate, as potentially witnessed in the benzene results from the October 2013 sampling of monitoring well MW-47.

7.0 RECOMMENDATIONS

Based on the results of groundwater monitoring activities, SWG has the following recommendations:

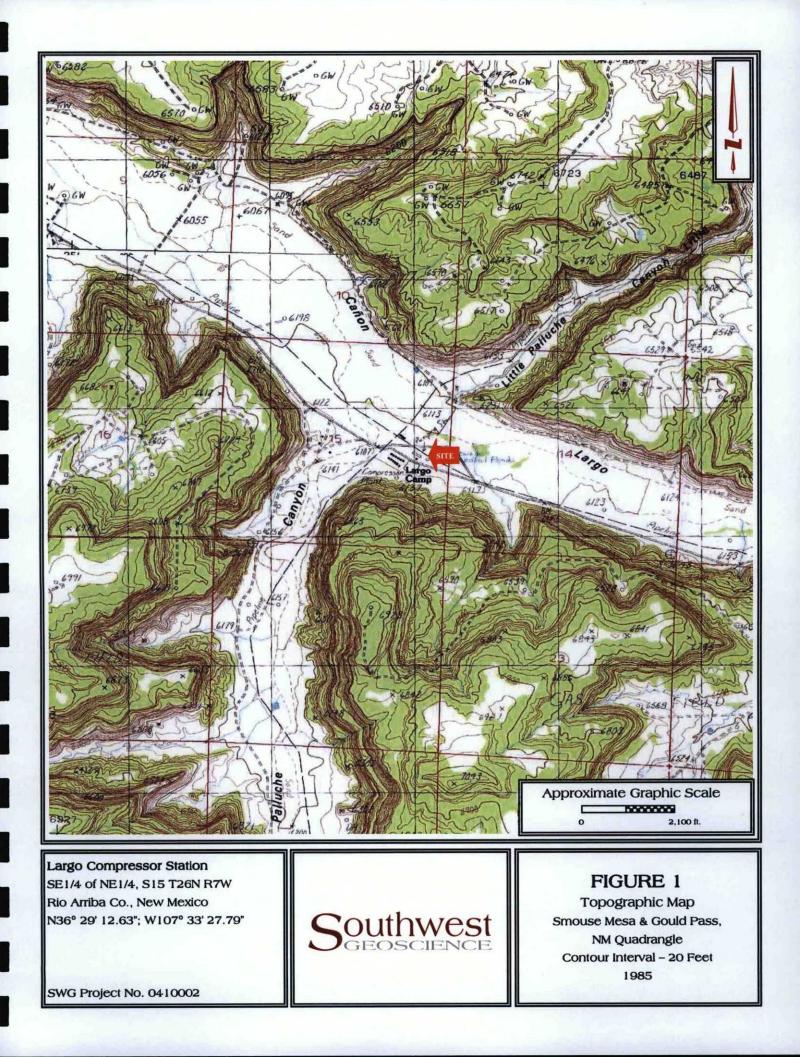
- Report the groundwater monitoring results to the OCD;
- Evaluate the next monitoring event data for monitoring well MW-47 to verify the October 2013 benzene results; and
- Continue the scheduled execution of corrective actions to: 1.) Reduce the concentrations of COCs in soil to below the OCD *Remediation Action Levels* and; 2.) Remove LNAPL from groundwater at the Site to the extent practical, and continue to develop and execute groundwater remediation strategies once the bulk of the soils have been removed/remediated.



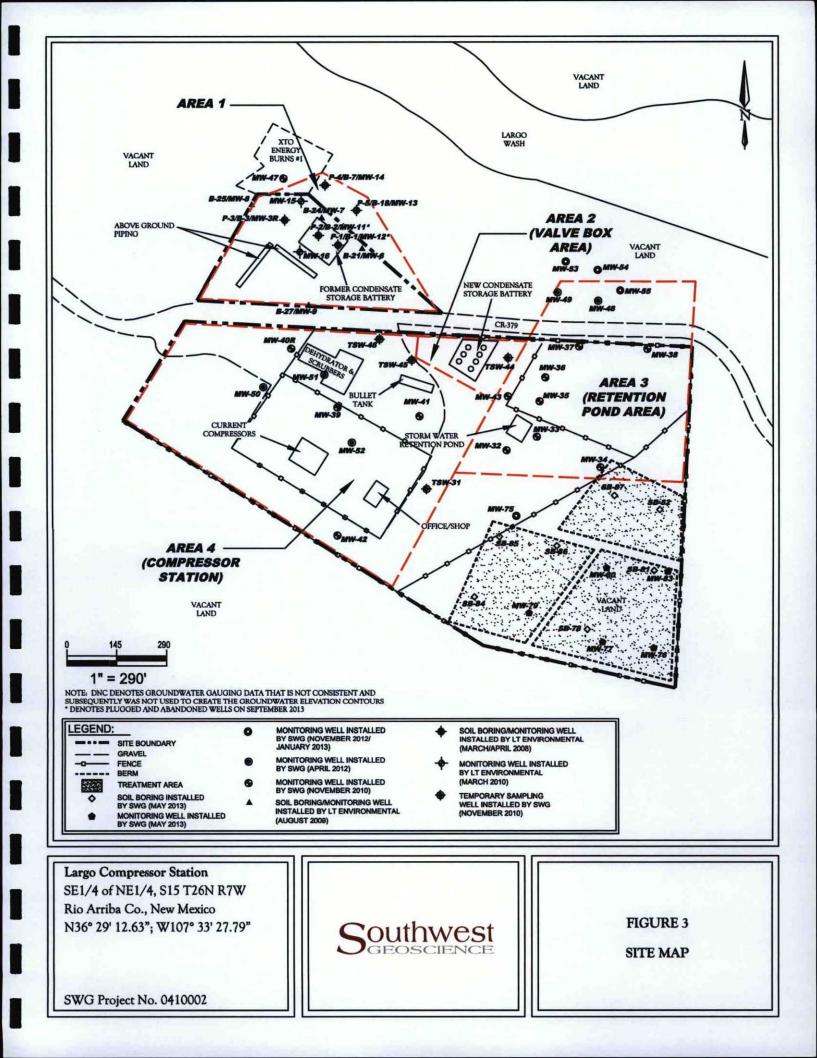
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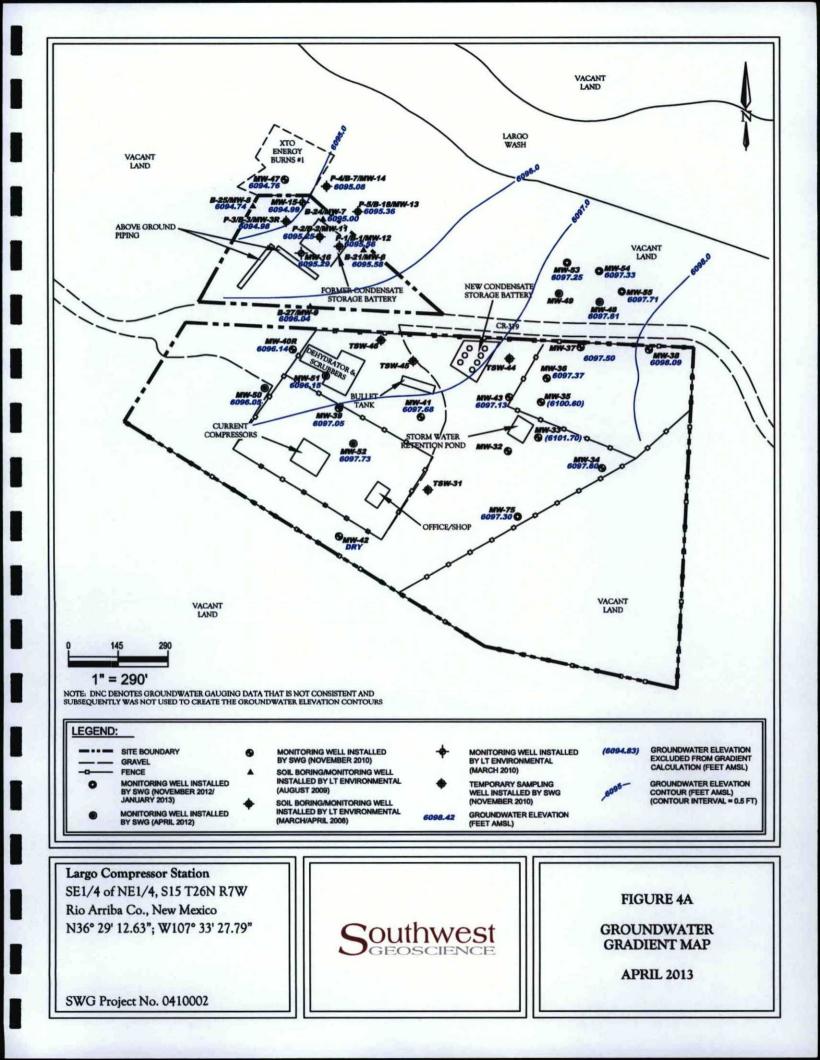
APPENDIX A

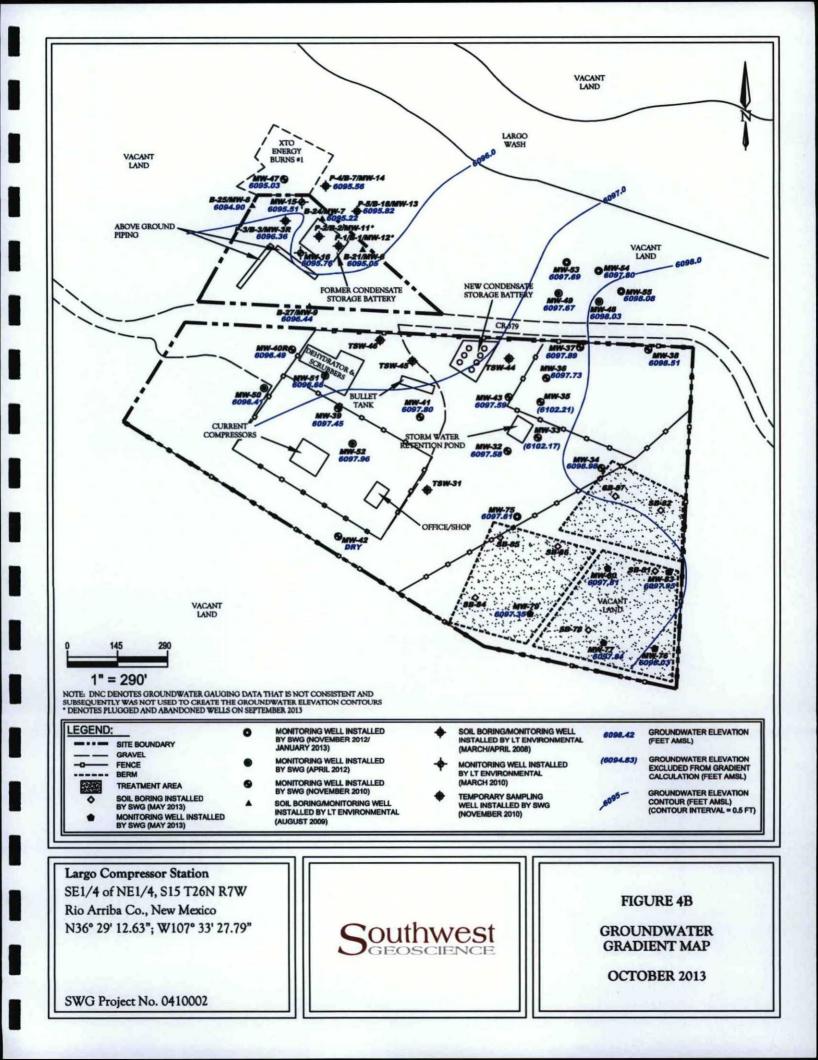
Figures

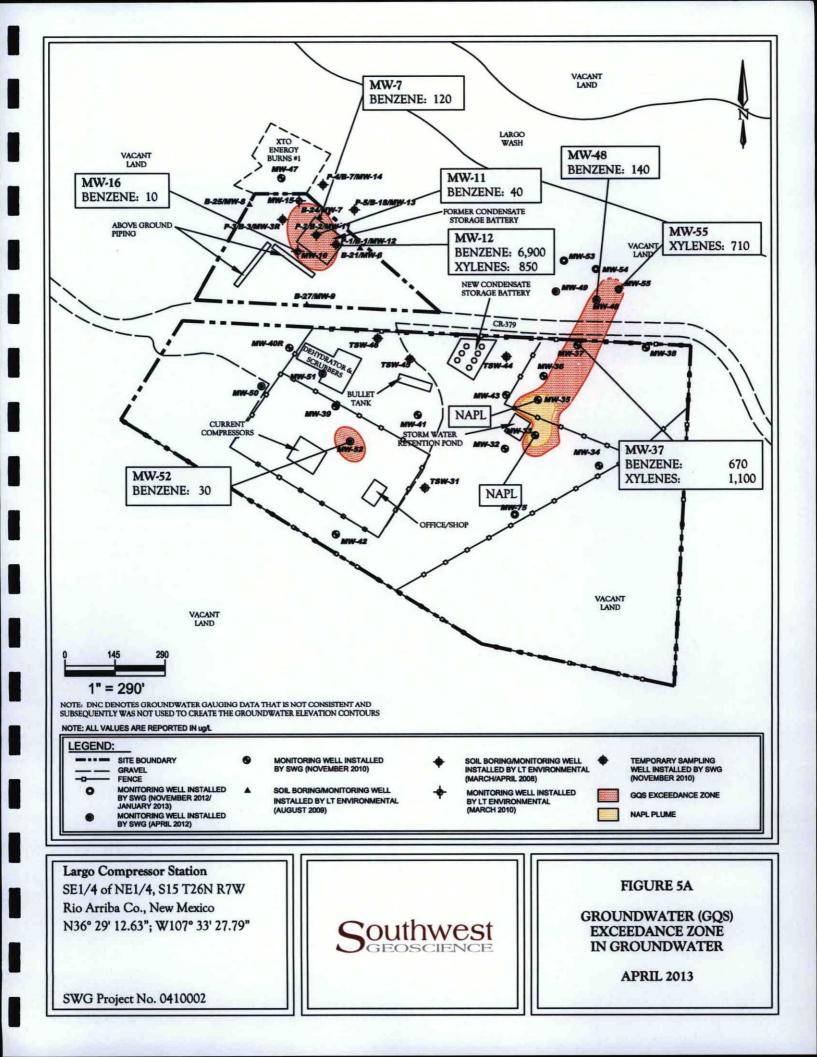


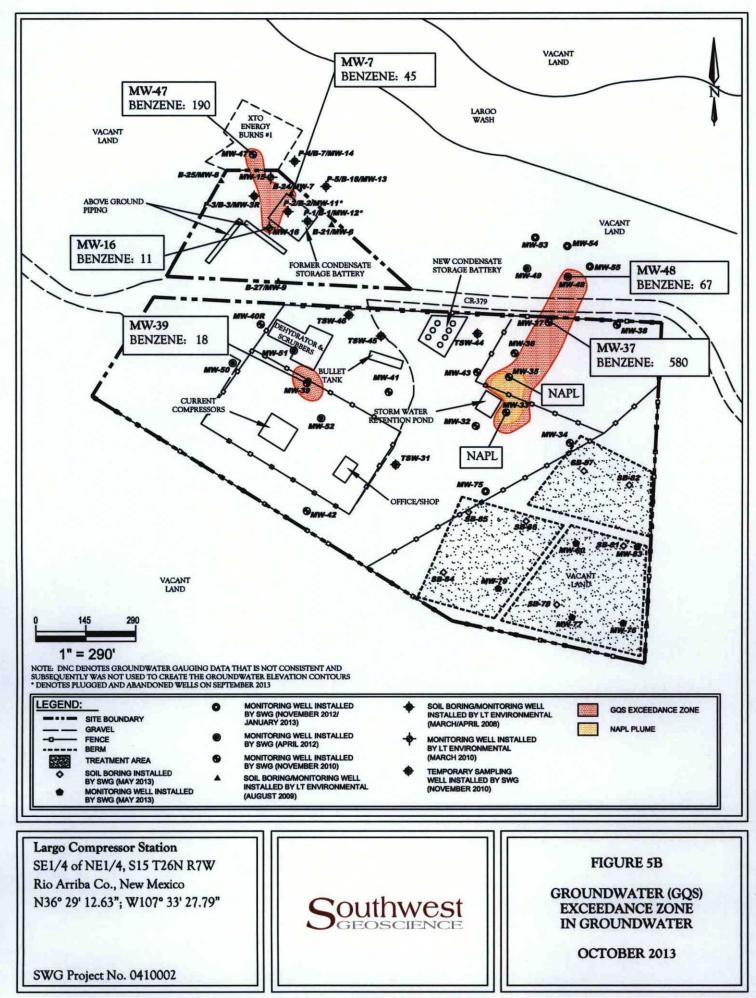














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APPENDIX B

Tables

	TABLE 1 Largo Compressor Station GROUNDWATER ANALYTICAL SUMMARY								
	GROUNDWATER ANALY ICAL SUMMART								
Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH (GRO) GRO (mg/L)	TPH (DRO) DRO (mg/L)	
New Mexico Wate Commission Gre Stand		NE	10	750	750	620	NE	NE	
P-1	4.04.08	NA	5,700	2,200	310	5,500	53	<1.0	
P-1	8.10.09	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL	
P-1 P-1	11.24.09 2.25.10	NA NA	NAPL	NAPL	NAPL NAPL	NAPL	NAPL NAPL	NAPL NAPL	
MW-12 (P-1*)	4.05.10	NA	1,300	1,600	110	2,200	20	1.2	
MW-12 (P-1*)	5.27.10	NA	3,300	1,800	180	3,200	NA	NA	
MW-12 (P-1*)	7.13.10	NA	2,900	330	140	1,700	22	1.0	
MW-12 (P-1*) MW-12 (P-1*)	8.26.10 11.18.10	NA NA	1,200	420 69	70 61	1,300	13 6.3	<1.0	
MW-12 (P-1*)	2.4.11	NA	5,900	<50	470	1,600	24	<1.0	
MW-12 (P-1*)	4.19.11	NA	4,200	190	<100	330	14	<1.0	
MW-12 (P-1*)	5.19.11	NA	1,000	520	36	660	13	15	
MW-12 (P-1*)	7.28.11	NA	12,000	2,300	320 130	3,200	54 、29	3.9 7.3	
MW-12 (P-1*) MW-12 (P-1*)	10.28.11 1.31.12	NA NA	4,900	59 62	130	3,300	18	11	
MW-12 (P-1*)	4.19.12	NA	4,300	53	150	930	22	5.8	
MW-12 (P-1*)	7.31.12	NA	4,600	<50	160	920	17	3.3	
MW-12 (P-1*)	10.19.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL	
MW-12 (P-1*)	4.24.13	NA	6,900	150	96 380	850 4,600	23 120	5.8 6.8	
P-2 P-2	4.04.08 8.10.09	NA NA	15,000 9,800	2,100 110	170	1,400	NA	NA	
P-2	11.24.09	NA	21,000	360	460	2,700	NA	NA	
P-2	2.25.10	NA	19,000	380	380	2,800	NA	NA	
MW-11 (P-2*)	4.05.10	NA	<1.0	<1.7	<1.0	3.3	0.22	<1.0	
MW-11 (P-2*) MW-11 (P-2*)	5.27.10 7.13.10	NA NA	4.4 700	<1.0 4.5	<1.0	<2.0 56	NA 3.6	NA 1.2	
MW-11 (P-2*)	8.26.10	NA	86	<1.0	1.3	4.9	0.4	<1.0	
MW-11 (P-2*)	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	0.14	<1.0	
MW-11 (P-2*)	2.4.11	NA	21	<1.0	<1.0	<1.0	0.075	<1.0	
MW-11 (P-2*)	4.19.11 7.28.11	NA	96 46	12	1.2	27 76	0.39	<1.0	
MW-11 (P-2*) MW-11 (P-2*)	10.28.11	NA	1,600	<10	31	37	4.6	2.2	
MW-11 (P-2*)	1.31.12	NA	470	<10	12	<20	1.3	<1.0	
MW-11 (P-2*)	4.19.12	NA	84	<1.0	3.2	<2.0	0.43	<1.0	
MW-11 (P-2*)	7.31.12	NA	36	<1.0	2.6	<2.0	0.24	<1.0	
MW-11 (P-2*) MW-11 (P-2*)	10.19.12 4.24.13	NA NA	1,100	<1.0	11	41 <2.0	5.3 0.14	<1.0	
P-3	4.04.08	NA	780	13	81	20	4.2	<1.0	
P-3	8.10.09	NA	35	<1.0	3.8	<2.0	NA	NA	
P-3	11.24.09	NA	1.4	<1.0	1.5	<2.0	NA	NA	
P-3 MW-3R (P-3*)	2.25.10 4.05.10	NA NA	3.6	10	2 <1.0	24 <2.0	NA <0.05	NA <1.0	
MW-3R (P-3*)	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA	
MW-3R (P-3*)	7.13.10	NA	13	<1.0	1.3	6.4	1.4	1	
MW-3R (P-3*)	8.26.10	NA	5.0	<1.0	<1.0	2.3	0.46	<1.0	
MW-3R (P-3*)	11.18.10	NA	3.9	<1.0	<1.0	<2.0	0.47	<1.0	
MW-3R (P-3*) MW-3R (P-3*)	2.1.11 4.18.11	NA NA	2.0 <1.0	<1.0	<1.0 <1.0	<2.0 <2.0	<0.050	<1.0	
MW-3R (P-3*)	7.28.11	NA	1.5	<1.0	<1.0	7.1	1.50	<1.0	
MW-3R (P-3*)	10.27.11	NA	1.1	<1.0	<1.0	<2.0	0.57	<1.0	
MW-3R (P-3*)	1.30.12	NA	<1.0	<1.0	<1.0	<2.0	0.16	<1.0	
MW-3R (P-3*)	4.19.12	NA	<1.0	<1.0	<1.0	<2.0 <2.0	0.16	<1.0 <1.0	
MW-3R (P-3*) MW-3R (P-3*)	7.31.12	NA NA	<1.0	<1.0	<1.0	2.8	0.36	<1.0	
MW-3R (P-3*)	4.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	
MW-3R (P-3*)	10.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	

TABLE 1 Largo Compressor Station GROUNDWATER ANALYTICAL SUMMARY

1

Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH (GRO) GRO (mg/L)	TPH (DRO) DRO (mg/L)
Commission Gr	New Mexico Water Quality Control Communission Groundwater Quality Standards		10	750	750	620	NE	NE
P-4	4.04.08	NA	<1.0	<1.0	<1.0	<2.0	0.42	<1.0
P-4	8.10.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
P-4	11.24.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
P-4	2.25.10	NA	2.5	7.5	<1.0	14	NA	NA
MW-14 (P-4*)	4.05.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-14 (P-4*)	5.27.10 7.13.10	NA NA	<1.0	<1.0	<1.0 <1.0	<2.0 <2.0	NA <0.05	NA <1.0
MW-14 (P-4*) MW-14 (P-4*)	8.26.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-14 (P-4*)	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-14 (P-4*)	2.1.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	7.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	1.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	4.19.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	7.31.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	10.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	4.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	10.25.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
P-5	4.04.08	NA	<1.0	<1.0	<1.0	<2.0	0.1	<1.0
P-5 P-5	8.10.09	NA	<1.0	<1.0 <1.0	<1.0	<2.0 <2.0	NA NA	NA NA
P-5	11.24.09 2.25.10	NA NA	1.8	6.1	<1.0	11	NA	NA
MW-13 (P-5*)	4.05.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-13 (P-5*)	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-13 (P-5*)	7.13.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-13 (P-5*)	8.26.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-13 (P-5*)	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-13 (P-5*)	2.3.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	7.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	1.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	4.19.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	7.31.12	NA NA	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0 <2.0	<0.050 <0.050	<1.0
MW-13 (P-5*) MW-13 (P-5*)	4.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	10.25.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	8.10.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-6	11.24.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-6	2.25.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-6	4.05.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-6	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-6	7.13.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-6	8.26.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-6	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-6	1.31.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6 MW-6	4.19.11 7.28.11	NA NA	<1.0	<1.0	<1.0	<2.0 <2.0	<0.050 <0.050	<1.0 <1.0
MW-6	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	4.19.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	7.31.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	10.18.12	8,420	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	4.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	10.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0



TABLE 1 Largo Compressor Station GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH (GRO) GRO (mg/L)	TPH (DRO) DRO (mg/L)
New Mexico Water Quality Control Communission Groundwater Quality Standards		NE	10	750	750	620	NE	NE
MW-7	8.10.09	NA	15,000	<100	380	310	NA	NA
MW-7	11.24.09	NA	13,000	<100	150	<200	NA	NA
MW-7	2.25.10	NA	3,000	<10	40	31	NA	NA
MW-7	4.05.10	NA	940	<10	<10	<20	4.2	1.3
MW-7	5.27.10	NA	700	<10	11	<20	NA	NA
MW-7	7.13.10	NA	15,000	<10	130	25	51	4.6
MW-7	8.26.10	NA	5,300	<20	35	<40	18	1.7
MW-7	11.18.10	NA	3,700	<20	62	<40	11	1.2
MW-7	2.1.11	NA	1,800	<1.0	10	4.6	2.2	<1.0
MW-7	4.19.11	NA	250	<1.0	2.9	2.4	0.75	<1.0
MW-7	5.19.11 7.28.11	NA	1,400	<5.0 <5.0	15.0 200	<10 62.0	4.0	<1.0
MW-7 MW-7	10.28.11	NA NA	1,300	<10	140	<20	32	6.1
MW-7 MW-7	1.31.12	NA	9,000	<10	140	<20	21	4.5
MW-7 MW-7	4.19.12	NA	790	<10	15	<20	2.7	<1.0
MW-7	7.31.12	NA	2,500	<10	35	<20	6.4	<1.0
MW-7	10.19.12	NA	8,200	<10	130	36.0	32	2.5
MW-7	4.24.13	NA	120	<1.0	2.1	<2.0	0.60	<1.0
MW-7	10.25.13	NA	45	<1.0	<1.0	<2.0	0.19	<1.0
MW-8	8.10.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-8	11.24.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-8	2.25.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-8	4.05.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-8	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-8	7.13.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-8	8.26.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-8	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-8	1.31.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	4.18.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	7.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	4.19.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	7.31.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	10.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	4.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	10.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	8.10.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-9	11.24.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-9	2.25.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-9	4.05.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-9	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-9	7.13.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-9	8.26.10	NA NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-9 MW-9	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-9 MW-9	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	7.29.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	4.19.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	7.31.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	10.19.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	4.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	10.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0

TABLE 1 Largo Compressor Station GROUNDWATER ANALYTICAL SUMMARY

1

Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH (GRO) GRO (mg/L)	TPH (DRO) DRO (mg/L)
New Mexico Wate Commission Gro Stand	oundwater Quality	NE	10	750	750	620	NE	NE
MW-15	4.05.10	NA	1.1	<1.0	<1.0	<2.0	<0.05	<1.0
MW-15	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-15	7.13.10	NA	490	2.2	7.2	15	3.2	<1.0
MW-15	8.26.10	NA	20	<1.0	<1.0	<2.0	0.095	<1.0
MW-15	11.18.10	NA	8.9	<1.0	<1.0	<2.0	0.19	<1.0
MW-15	2.1.11	NA	16	<1.0	<1.0	<2.0	0.06	<1.0
MW-15 MW-15	4.18.11 7.28.11	NA NA	13 1500	<1.0 <1.0	<1.0	<2.0 20	0.14 6.7	<1.0
MW-15	10.28.11	NA	810	<10	<10	<20	2.2	1.0
MW-15	1.30.12	NA	150	<10	<10	<20	0.51	<1.0
MW-15	4.18.12	NA	23	<1.0	1.4	<2.0	0.21	<1.0
MW-15	7.31.12	NA	64	<1.0	1.1	<2.0	0.22	<1.0
MW-15	10.19.12	NA	400	<1.0	7.2	7.8	2.0	<1.0
MW-15	4.24.13	NA	6.4	<1.0	<1.0	<2.0	0.094	<1.0
MW-15	10.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-16	4.05.10	NA	3.8	1.5	1.4	11	0.36	<1.0
MW-16	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-16	7.13.10	NA	47	<1.0	<1.0	<2.0	0.3	<1.0
MW-16 MW-16	8.26.10	NA	16 3.4	<1.0	<1.0	<2.0 <2.0	0.095	<1.0
MW-16	2.1.11	NA NA	61	<1.0	1.3	2.1	0.20	<1.0
MW-16	4.18.11	NA	34	<1.0	3.7	4.4	0.16	<1.0
MW-16	7.28.11	NA	43	<1.0	1.9	<2.0	0.29	<1.0
MW-16	10.27.11	NA	21	<1.0	<1.0	<2.0	0.19	<1.0
MW-16	1.30.12	NA	10	<1.0	<1.0	<2.0	0.096	<1.0
MW-16	4.18.12	NA	20	<1.0	1.0	<2.0	0.14	<1.0
MW-16	7.31.12	NA	46	<1.0	1.9	<2.0	0.23	<1.0
MW-16	10.19.12	NA	100	<1.0	3.9	<2.0	0.38	<1.0
MW-16	4.24.13	NA	10	<1.0	<1.0	<2.0	0.097	<1.0
MW-16	10.28.13	NA	11	<1.0	1.2	<2.0	0.052	<1.0
TSW-31	11.23.10	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32 MW-32	1.28.11 4.19.11	NA NA	<1.0	<1.0	<1.0 <1.0	<2.0 <2.0	<0.050 <0.050	<1.0
MW-32	7.29.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	10.26.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	10.16.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	4.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	10.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-33	1.28.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL NAPL
MW-33 MW-33	4.20.11 7.28.11	NA NA	NAPL	NAPL NAPL	NAPL NAPL	NAPL NAPL	NAPL	NAPL
MW-33	10.26.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-33	1.27.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-33	4.18.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-33	7.30.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-33	10.19.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-33	4.23.13	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-34	1.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-34	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-34	7.29.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-34	10.26.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-34	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050 <0.050	<1.0
MW-34 MW-34	4.18.12 7.30.12	NA NA	<1.0	<1.0 <1.0	<1.0	<2.0 <2.0	<0.050	<1.0 <1.0
MW-34 MW-34	10.16.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-34 MW-34	4.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-34	10.25.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0

<1.0

Dry

Dry

Dry

<1.0

<1.0

<1.0

<1.0

<1.0

		GRO	TA Largo Con UNDWATER					
Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH (GRO) GRO (mg/L)	TPH (DRO) DRO (mg/L)
Commission G	ter Quality Control roundwater Quality idards	NE	10	750	750	620	NE	NE
MW-35	1.28.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	4.20.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	7.28.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	10.26.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	1.27.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	4.18.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	7.30.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	10.19.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL NAPL
MW-35 MW-36	4.23.13	NA NA	NAPL	NAPL	NAPL	NAPL <2.0	<0.050	<1.0
MW-36	1.31.11 4.20.11	NA	<1.0	<1.0	<1.0 <1.0	<2.0	<0.050	<1.0
MW-36	7.29.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	10.17.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	4.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	10.25.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-37 MW-37	2.4.11 4.20.11	NA NA	3,100	6,200 3,600	700 500	7,000 5,100	38 34	3.9 4.2
MW-37 MW-37	7.28.11	NA	2,500 NAPL	NAPL	NAPL	NAPL	NAPL	4.2 NAPL
MW-37	10.26.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-37	1.27.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-37	4.18.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-37	7.30.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-37	10.19.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-37	4.23.13	NA	670	260	230	1,100	13	4.1
MW-37	10.29.13	NA	580	170	150	610	10	7.7
MW-38	1.26.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050 <0.050	<1.0
MW-38 MW-38	4.20.11 7.29.11	NA NA	<1.0 <1.0	<1.0 <1.0	<1.0 <1.0	<2.0	<0.050	<1.0 <1.0
MW-38	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	10.17.12	3,000	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	4.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	10.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-39	1.26.11	NA NA	1,200	730 <1.0	37	570 5.9	0.33	<1.0
MW-39 MW-39	4.19.11 7.29.11	NA	27	14	1.0	18	0.33	<1.0
MW-39	10.27.11	NA	260	<1.0	1.2	3.5	0.44	<1.0
MW-39	1.27.12	NA	580	48	4.3	79	1.8	<1.0
MW-39	4.18.12	NA	1,500	620	36	860	12	112
MW-39	7.30.12	NA	170	<2.0	<2.0	8.6	0.58	<1.0
MW-39	10.17.12	NA	13	<2.0	<2.0	<4.0	<0.10	<1.0
MW-39	4.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-39	10.23.13	NA	18	<1.0	<1.0	<2.0	0.11	<1.0
MW-40	1.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0

Samp

New

MW-40

MW-40

MW-40

MW-40

MW-40R

MW-40R

MW-40R

MW-40R

MW-40R

4.20.11

7.28.11

10.26.11

1.27.12

4.18.12

7.30.12

10.16.12

4.23.13

10.23.13

NA

NA

NA

NA

NA

NA

7,930

NA

NA

<2.0

Dry

Dry

Dry

<1.0

<1.0

<1.0

<1.0

<1.0

<2.0

Dry

Dry

Dry

<1.0

<1.0

<1.0

<1.0

<1.0

<2.0

Dry

Dry

Dry

<1.0

<1.0

<1.0

<1.0

<1.0

<4.0

Dry

Dry

Dry

<2.0

<2.0

<2.0

<2.0

<2.0

<0.10

Dry

Dry

Dry

<0.050

<0.050

<0.050

<0.050

<0.050

TABLE 1 Largo Compressor Station GROUNDWATER ANALYTICAL SUMMARY

1

Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH (GRO) GRO (mg/L)	TPH (DRO) DRO (mg/L)
Commission Gr	New Mexico Water Quality Control Commission Groundwater Quality Standards		10	750	750	620	NE	NE
MW-41	1.31.11	NA	<5.0	<5.0	<5.0	<10	<0.25	<1.0
MW-41	4.18.11	NA	<5.0	<5.0	<5.0	<10	<0.25	<1.0
MW-41	7.29.11	NA	<5.0	<5.0	<5.0	<10	<0.050	<1.0
MW-41	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-41	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-41	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-41	7.30.12	NA 30,200	<1.0	<1.0	<1.0	<2.0 <2.0	<0.050 <0.050	<1.0
MW-41 MW-41	10.16.12 4.23.13	30,200 NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-41	10.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-42	2.4.11	NA	<5.0	<5.0	<5.0	<10	<0.25	NA
MW-42	3.3.11	75,400	NA	NA	NA	NA	NA	NA
MW-42	4.19.11	NA	<5.0	<5.0	<5.0	<10	<0.25	<1.0
MW-42	7.28.11	NA	Dry	Dry	Dry	Dry	Dry	Dry
MW-42	10.26.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-42	1.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-42	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-42	7.30.12	NA	Dry	Dry	Dry	Dry	Dry	Dry
MW-42	10.16.12	NA	Dry	Dry	Dry	Dry	Dry	Dry
MW-42	4.23.13	NA	Dry	Dry	Dry	Dry	Dry	Dry
MW-42	10.23.13	NA	Dry	Dry	Dry	Dry	Dry	Dry
MW-43	1.28.11	NA	<1.0	<1.0	<1.0	<2.0	0.06	<1.0
MW-43	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-43	7.29.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-43	10.26.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-43	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-43	4.18.12 7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050 <0.050	<1.0
MW-43 MW-43	10.16.12	NA 7,630	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-43	4.23.13	NA	<5.0	<5.0	<5.0	<10	<0.25	<1.0
MW-43	10.24.13	NA	<5.0	<5.0	<5.0	<10	<0.25	<1.0
TSW-44	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
TSW-45	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
TSW-46	11.23.10	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-47	1.28.11	NA	<5.0	<5.0	<5.0	<10	1.3	2.5
MW-47	4.18.11	NA	<5.0	<5.0	<5.0	<10	2.0	1.2
MW-47	7.28.11	NA	<5.0	<5.0	<5.0	27.0	6.6	1.1
MW-47	10.28.11	NA	<5.0	<5.0	<5.0	<10	1.4	2.7
MW-47	1.30.12	NA	<5.0	<5.0	<5.0	<10	2.6	2.5
MW-47	4.18.12	NA	11	<5.0	16	38	5.5	2.9
MW-47	7.31.12	NA	<10	<10	<10	<20	4.5	2.9
MW-47	10.18.12	NA	<5.0	<5.0	<5.0	91	12	1.8
MW-47	4.24.13	NA	<5.0	<5.0	5.0 8.9	<10	6.4 9.1	2.3
MW-47	10.24.13	NA	190	<5.0	360	Number of Concession, name	25	4.7
MW-48 MW-48	4.18.12 7.30.12	NA NA	290 120	3,200	160	5,000 2,900	15	<1.0
MW-48	10.17.12	NA	190	580	150	1,700	8.5	<1.0
MW-48	4.23.13	NA	140	<5.0	170	310	2.9	<1.0
MW-48	10.29.13	NA	67	<5.0	51	83	0.87	<1.0
MW-49	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-49	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-49	10.17.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-49	4.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-49	10.25.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-50	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-50	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-50	10.17.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-50	4.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-50	10.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0

TABLE 1 Largo Compressor Station GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH (GRO) GRO (mg/L)	TPH (DRO DRO (mg/L)
New Mexico Wate Commission Gro Stand	oundwater Quality	NE	10	750	750	620	NE	NE
MW-51	4.18.12	NA	1,200	3,600	150	1,400	19	<1.0
MW-51	7.30.12	NA	51	5.5	17	78	1.3	<1.0
MW-51	10.16.12	NA	14	<1.0	4.8	21	0.16	<1.0
MW-51	4.23.13	NA	3.0	<1.0	1.5	<2.0	0.078	<1.0
MW-51	10.23.13	NA	8.2	<1.0	<1.0	<2.0	0.066	<1.0
MW-52	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-52	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-52	10.17.12	27,000	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-52	4.23.13	NA	30	<1.0	<1.0	<2.0	0.11	<1.0
MW-52	10.29.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-53	01.29.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-53	05.03.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-53	10.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-54	01.29.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-54	05.03.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-54	10.24.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-55	01.29.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-55	05.03.13	NA	<1.0	<1.0	13	710	1.3	<1.0
MW-55	10.29.13	NA	<1.0	<1.0	1.4	<2.0	<0.050	<1.0
MW-75	01.29.13	NA	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0
MW-75	4.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-75	10.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-76	6.3.13	14,200	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-76	10.25.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-77	6.3.13	17,900	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-77	10.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-79	6.3.13	dry	dry	dry	dry	dry	dry	dry
MW-79	10.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-80	6.3.13	13,000	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-80	10.23.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-83	6.3.13	14,500	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-83	10.25.13	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0

Note: Concentrations in boid and yellow exceed the applicable OCD Remediation Action Level

NA = Not Analyzed NE = Not Established

NAPL = Non-aqueous phase liquid * = plezometer well was replaced with associated monitoring well

S	OU	ith	w	est
-	GE	OS	CIE	NCE

1

		Top-of-Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater
Monitoring Well ID	Measurement Date	(feet)	(feet)	(feet)	(feet)	Elevation ¹
	4.5.10		None Observed	21.83	0.0	6095.65
	5.27.10		None Observed	21.82	0.0	6095.66
	6.25.10		None Observed	22.22	0.0	6095.26
	7.13.10		None Observed	22.47	0.0	6095.01
	8.26.10		None Observed	22.24	0.0	6095.24
	11.18.10		None Observed	22.32	0.0	6095.16
1.0	1.25.11		None Observed	22.13	0.0	6095.35
MW-3R	4.22.11	6117.48	None Observed	21.99	0.0	6095.49
	7.27.11		None Observed	22.81	0.0	6094.67
	10.26.11		None Observed	22.91	0.0	6094.57
	1.26.12		None Observed	22.74	0.0	6094.74
	4.19.12		None Observed	22.61	0.0	6094.87
	7.31.12		None Observed	22.66	0.0	6094.82
	10.18.12		None Observed	23.04	0.0	6094.44
	4.24.13		None Observed	22.50	0.0	6094.98
A DECEMBER OF	10.23.13		None Observed	21.12	0.0	6096.36
	8.10.09		None Observed	20.28	0.0	6095.19
	11.24.09		None Observed	20.17	0.0	6095.30
A 44 1 1 1 1 1	2.25.10		None Observed	19.54	0.0	6095.93
A	4.5.10		None Observed	19.11	0.0	6096.36
51	5.27.10] [None Observed	19.28	0.0	6096.19
	6.25.10		None Observed	19.87	0.0	6095.60
	7.13.10		None Observed	20.09	0.0	6095.38
	8.26.10		None Observed	19.68	0.0	6095.79
	11.18.10	6115.47	None Observed	19.72	0.0	6095.75
MW-6	1.25.11		None Observed	19.51	0.0	6095.96
	4.22.11		None Observed	19.42	0.0	6096.05
	7.27.11		None Observed	20.40	0.0	6095.07
	10.26.11		None Observed	20.43	0.0	6095.04
	1.26.12		None Observed	20.15	0.0	6095.32
	4.19.12	1	None Observed	Not Gauged	0.0	Not Gauged
1. A.	7.31.12	1	None Observed	19.93	0.0	6095.54
the second s	10.18.12		None Observed	20.47	0.0	6095.00
The second second	4.24.13	1	None Observed	19.89	0.0	6095.58
and the second states of the	10.23.13		None Observed	19.42	0.0	6096.05
A REAL PROPERTY OF	8.10.09		None Observed	21.52	0.0	6095.13
A Constant of the State	11.24.09		None Observed	21.73	0.0	6094.92
	2.25.10	1	None Observed	21.42	0.0	6095.23
	4.5.10	1	None Observed	20.96	0.0	6095.69
	5.27.10		None Observed	20.96	0.0	6095.69
	6.25.10	1	None Observed	21.32	0.0	6095.33
10 A (10)	7.13.10	1	None Observed	21.46	0.0	6095.19
A State of the second	8.26.10	1	None Observed	21.36	0.0	6095.29
	11.18.10	1	None Observed	21.42	0.0	6095.23
MW-7	1.25.11	6116.65	None Observed	21.24	0.0	6095.41
A DESCRIPTION OF	4.22.11		None Observed	21.22	0.0	6095.43
12 1 24 84	7.27.11	1.1	None Observed	21.80	0.0	6094.85
	10.26.11		None Observed	21.94	0.0	6094.71
States States	1.26.12	1	None Observed	21.82	0.0	6094.83
	4.19.12	1	None Observed	21.70	0.0	6094.95
	7.31.12	1	None Observed	21.88	0.0	6094.77
	10.18.12	1	None Observed	22.12	0.0	6094.53
The second second	4.24.13	1	None Observed	21.65	0.0	6095.00
a strength and	10.23.13	1	None Observed	21.43	0.0	6095.22

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Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (feet)	Depth to PSH (feet)	Depth to Water (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation ¹
	8.10.09		None Observed	23.17	0.0	6095.11
	11.24.09		None Observed	23.43	0.0	6094.85
	2.25.10		None Observed	23.25	0.0	6095.03
	4.5.10		None Observed	22.97	0.0	6095.31
	5.27.10		None Observed	22.85	0.0	6095.43
	6.25.10		None Observed	23.01	0.0	6095.27
	7.13.10		None Observed	23.21	0.0	6095.07
	8.26.10		None Observed	23.23	0.0	6095.05
	11.18.10	1	None Observed	23.30	0.0	6094.98
MW-8	1.25.11	6118.28	None Observed	23.10	0.0	6095.18
	4.22.11	1.	None Observed	22.94	0.0	6095.34
	7.27.11		None Observed	23.56	0.0	6094.72
	10.26.11	1	None Observed	23.75	0.0	6094.53
	1.26.12	1 1	None Observed	23.64	0.0	6094.64
	4.19.12		None Observed	23.54	0.0	6094.74
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.31.12		None Observed	23.19	0.0	6095.09
	10.18.12	1 1	None Observed	23.96	0.0	6094.32
the second s	4.24.13		None Observed	23.54	0.0	6094.74
and a second	10.23.13		None Observed	23.38	0.0	6094.90
	8.10.09		None Observed	21.95	0.0	6095.88
	11.24.09	6117.83	None Observed	21.95	0.0	6095.85
	2.25.10		None Observed	21.98	0.0	
	4.5.10		None Observed	21.00	0.0	6096.32
	5.27.10		and the second se			6096.83
	the second se		None Observed	21.10	0.0	6096.73
	6.25.10		None Observed	21.56	0.0	6096.27
	7.13.10		None Observed	21.77	0.0	6096.06
	8.26.10		None Observed	21.58	0.0	6096.25
10UO	11.18.10		None Observed	21.61	0.0	6096.22
MW-9	1.25.11		None Observed	21.43	0.0	6096.40
	4.22.11		None Observed	21.30	0.0	6096.53
	7.27.11		None Observed	22.15	0.0	6095.68
	10.26.11		None Observed	22.25	0.0	6095.58
	1.26.12		None Observed	22.04	0.0	6095.79
	4.19.12		None Observed	21.88	0.0	6095.95
	7.31.12		None Observed	21.98	0.0	6095.85
1	10.18.12		None Observed	22.37	0.0	6095.46
Sector States	4.24.13		None Observed	21.79	0.0	6096.04
San and a start of the	10.23.13		None Observed	21.39	0.0	6096.44
	4.5.10	6116.65	None Observed	20.57	0.0	6096.08
	5.27.10		None Observed	20.75	0.0	6095.90
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6.25.10		None Observed	21.33	0.0	6095.32
	7.13.10		None Observed	21.54	0.0	6095.11
	8.26.10		None Observed	21.17	0.0	6095.48
in the second	11.18.10		None Observed	21.16	0.0	6095.49
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.25.11		None Observed	21.02	0.0	6095.63
MW-11	4.22.11		None Observed	20.91	0.0	6095.74
	7.27.11		None Observed	21.89	0.0	6094.76
and the second second	10.26.11		None Observed	21.94	0.0	6094.71
1. 1995 399	1.26.12		None Observed	21.64	0.0	6095.01
C. S. Harrison	4.19.12		None Observed	21.49	0.0	6095.16
	7.31.12		None Observed	21.49	0.0	6095.16
5 6 P 8	10.18.12		None Observed	21.98	0.0	6094.67
1 20.3	4.24.13		None Observed	21.40	0.0	6095.25
and the second second	9.6.13	1 1		onitoring well was		

fonitoring Well ID	Measurement Date	Top-of-Casing Elevation (feet)	Depth to PSH (feet)	Depth to Water	PSH Thickness	Corrected Groundwate Elevation ¹
AOTHORN'S WELLD	4.5.10	(icei)	None Observed	(feet) 14.88	(feet) 0.0	6096.36
	5.27.10	6111.24	None Observed	15.11	0.0	6096.13
	6.25.10		None Observed	15.67	0.0	6095.57
	7.13.10		None Observed	15.91	0.0	6095.33
	8.26.10		None Observed	15.55	0.0	6095.69
	11.18.10		None Observed	16.58	0.0	6094.66
	1.25.11		None Observed	15.73	0.0	6095.51
MW-12	4.22.11		None Observed	15.30	0.0	6095.94
	7.27.11		None Observed	16.10	0.0	6095.14
	10.26.11		None Observed	16.21	0.0	6095.03
	1.26.12 4.19.12		None Observed	15.99	0.0	6095.25
	7.31.12		None Observed	15.83 15.83	0.0	6095.41 6095.41
	10.18.12	1	16.30	16.31	0.01	6094.94
	4.24.13		None Observed	15.68	0.00	6095.56
and the second second	9.6.13		and the second se	ionitoring well was	and the second se	
	4.5.10		None Observed	19.26	0.0	6096.20
	5.27.10		None Observed	19.47	0.0	6095.99
	6.25.10		None Observed	20.07	0.0	6095.39
1.	7.13.10		None Observed	20.28	0.0	6095.18
	8.26.10		None Observed	19.86	0.0	6095.60
	11.18.10		None Observed	19.91	0.0	6095.55
	1.25.11		None Observed	19.71	0.0	6095.75
MW-13	4.22.11	6115.46	None Observed	19.65	0.0	6095.81
the state for the state	7.27.11		None Observed	20.59	0.0	6094.87
	10.26.11		None Observed	20.62	0.0	6094.84
	1.26.12		None Observed	20.34	0.0	6095.12
	4.19.12 7.31.12		None Observed	20.19 20.15	0.0	6095.27
	10.18.12		None Observed	20.15	0.0	6095.31 6094.79
	4.24.13		None Observed	20.07	0.0	6095.36
design of the second	10.23.13		None Observed	19.64	0.0	6095.82
	4.5.10		None Observed	20.09	0.0	6095.90
	5.27.10		None Observed	20.28	0.0	6095.71
	6.25.10		None Observed	20.94	0.0	6095.05
	7.13.10		None Observed	21.19	0.0	6094.80
	8.26.10	1	None Observed	20.70	0.0	6095.29
	11.18.10		None Observed	20.73	0.0	6095.26
	1.25.11	6115.99	None Observed	20.52	0.0	6095.47
MW-14	4.22.11		None Observed	20.45	0.0	6095.54
	7.27.11		None Observed	21.47	0.0	6094.52
	10.26.11		None Observed	21.48	0.0	6094.51
1 A 1	1.26.12		None Observed	21.15	0.0	6094.84
6 B 1 B 1 B 1 B 1 B	4.19.12 7.31.12		None Observed	21.00 21.00	0.0	6094.99
14.44 M	10.18.12		None Observed	21.50	0.0	6094.99 6094.49
1	4.24.13		None Observed	20.91	0.0	6095.08
123.0 HU 100	10.23.13		None Observed	20.43	0.0	6095.56
	4.5.10		None Observed	20.66	0.0	6095.83
	5.27.10		None Observed	20.82	0.0	6095.67
	6.25.10	6116.49	None Observed	21.43	0.0	6095.06
	7.13.10		None Observed	21.64	0.0	6094.85
1.00	8.26.10		None Observed	21.25	0.0	6095.24
Same.	11.18.10		None Observed	21.36	0.0	6095.13
	1.25.11		None Observed	21.07	0.0	6095.42
MW-15	4.22.11		None Observed	20.95	0.0	6095.54
	7.27.11		None Observed	21.95	0.0	6094.54
1	10.26.11		None Observed	21.98	0.0	6094.51
1	1.26.12		None Observed	21.70	0.0	6094.79
100	4.19.12		None Observed	21.56	0.0	6094.93
A	7.31.12		None Observed	Errant Gauge	0.0	Errant Gauge
1. The second	10.18.12		None Observed	22.05	0.0	6094.44
a second and	4.24.13 10.23.13		None Observed	21.50 20.98	0.0	6094.99

	Measurement Date	Top-of-Casing Elevation (feet)	Depth to PSH (feet)	Depth to Water (feet)	PSH Thickness (feet)	Corrected Groundwate Elevation ¹
Normoning from 10	4.5.10	(icol)	None Observed	21.51	0.0	6096.06
	5.27.10		None Observed	51.59	0.0	6065.98
	6.25.10	1	None Observed	22.10	0.0	6095.47
	7.13.10	6117.57	None Observed	22.29	0.0	6095.28
	8.26.10		None Observed	22.05	0.0	6095.52
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.18.10		None Observed	22.11	0.0	6095.46
	1.25.11		None Observed	21.87	0.0	6095.70
MW-16	4.22.11		None Observed	21.76	0.0	6095.81
	7.27.11		None Observed	22.66	0.0	6094.91
	10.26.11		None Observed	22.71	0.0	6094.86
	1.26.12		None Observed	22.50	0.0	6095.07
	4.19.12		None Observed	22.38	0.0	6095.19
	7.31.12		None Observed	Errant Gauge	0.0	Errant Gauge
	10.18.12		None Observed	22.82	0.0	6094.75
and the second s	4.24.13		None Observed	22.28 21.81	0.0	6095.29
	1.25.11					6095.76 6007 EE
	4.22.11		None Observed	12.67	0.0	6097.55 6097.73
	7.27.11		None Observed	13.47	0.0	6096.75
	10.26.11		None Observed	13.47	0.0	6096.66
10	1.26.12		None Observed	13.23	0.0	6096.99
MW-32	4.18.12	6110.22	None Observed	13.05	0.0	6097.17
	7.30.12		None Observed	14.10	0.0	6096.12
1.1	10.18.12		None Observed	13.59	0.0	6096.63
	4.23.13	1	None Observed	13.00	0.0	6097.22
al dama la selle	10.23.13	La transmission	None Observed	12.64	0.0	6097.58
	1.25.11*	6114.02	16.08	16.44	0.36	6097.83
	4.22.11		16.59	16.60	0.01	6097.43
	7.27.11		16.07	16.72	0.65	6097.75
4 N	10.26.11		15.55	16.15	0.60	6098.28
MW-33	1.26.12		15.83	15.84	0.01	6098.19
	4.18.12		Not Gauged			Not Gauged
	8.31.12		15.4	17.29	1.89	6098.03
	10.18.12		14.39	17.51	3.12	6098.66
	4.23.13		12.31 10.92	12.35 14.08	0.04 3.16	6101.70
	1.25.11	6115.3	None Observed	17.38	0.0	6102.12 6097.92
	4.22.11		None Observed	17.38	0.0	6098.10
	7.27.11		None Observed	18.23	0.0	6097.07
1.10	10.26.11		None Observed	18.32	0.0	6096.98
	1.26.12		None Observed	17.98	0.0	6097.32
MW-34	4.18.12		None Observed	17.78	0.0	6097.52
1.1.1	7.30.12		None Observed	17.80	0.0	6097.50
	10.18.12		None Observed	18.32	0.0	6096.98
There is a second se	4.23.13		None Observed	17.70	0.0	6097.60
	10.23.13		None Observed	16.32	0.0	6098.98
	1.25.11*	6112.22	14.5	14.75	0.25	6097.64
	4.22.11		14.22	14.80	0.58	6097.82
	7.27.11		15.11	16.36	1.25	6096.72
	10.26.11		15.14	16.64	1.50	6096.62
MW-35	1.26.12		14.72 Not Gauded	14.73	0.01	6097.50
	4.18.12		Not Gauged	17.40	2.00	Not Gauged
distant in	8.31.12 10.18.12		14.43	17.49	3.06	6096.84
	4.23.13		14.65 10.98	17.84	3.19 2.07	6096.58 6100.60
america 3	4.23.13		9.26	12.58	3.72	6102.21
	1.25.11	6111.48	None Observed	13.80	0.0	6097.68
and some line	4.22.11		None Observed	13.65	0.0	6097.83
	7.27.11		None Observed	14.69	0.0	6096.79
	10.26.11		None Observed	14.45	0.0	6097.03
	1.26.12		None Observed	14.45	0.0	6097.07
MW-36	4.18.12		None Observed	14.18	0.0	6097.30
	7.30.12		None Observed	14.10	0.0	6097.38
1. 2. 2. 2. 2. 3.	10.18.12		None Observed	14.76	0.0	6096.72
Contra in a la	4.23.13		None Observed	14.11	0.0	6097.37
A CONTRACTOR OF A CONTRACTOR A	10.23.13		None Observed	13.75	0.0	6097.73

TABLE 2 Largo Compressor Station						
			undwater Eleva			
Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (feet)	Depth to PSH (feet)	Depth to Water (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation ¹
	1.25.11		sheen	12.91	sheen	6097.88
	4.22.11		None Observed	12.78	0.0	6097.95
	7.27.11	6110.73	13.81	13.84	0.03	6096.91
	10.26.11		13.88	13.92	0.04	6096.84
MW-37	1.26.12		13.54	13.54	0.01	6097.20
	4.18.12		Not Gauged			Not Gauged
	7.30.12		sheen	13.15	sheen	6097.64
	10.18.12 4.23.13		13.89 None Observed	13.90 13.23	0.01	6096.84 6097.50
1 1 2	10.23.13		None Observed	12.84	0.0	6097.89
	1.25.11		None Observed	12.04	0.0	6098.37
and the second	4.22.11		None Observed	11.87	0.0	6098.56
E) 4 1	7.27.11		None Observed	13.01	0.0	6097.42
1. A	10.26.11		None Observed	13.10	0.0	6097.33
MW-38	1.26.12	6110.43	None Observed	12.68	0.0	6097.75
MW-30	4.18.12	0110.45	None Observed	12.11	0.0	6098.32
	7.30.12		None Observed	12.24	0.0	6098.19
	10.18.12		None Observed	13.01	0.0	6097.42
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.23.13		None Observed	12.34	0.0	6098.09
No. You have	10.23.13		None Observed	11.92	0.0	6098.51
	1.25.11		None Observed	16.21	0.0	6097.49
	4.22.11		None Observed	17.35	0.0	6096.35
	7.27.11 10.26.11	6113.70	None Observed	16.43 16.52	0.0	6097.27
	1.26.12		None Observed	16.52	0.0	6097.18 6097.13
MW-39	4.18.12		None Observed	16.61	0.0	6097.09
	7.30.12		None Observed	16.69	0.0	6097.01
	10.18.12		None Observed	16.77	0.0	6096.93
	4.23.13		None Observed	16.65	0.0	6097.05
and the second second	10.23.13		None Observed	16.25	0.0	6097.45
	1.25.11	100 Tot 100	None Observed	19.16	0.0	6096.53
and the second sec	4.22.11	6115.69	None Observed	dry	0.0	dry
MW-40	7.27.11		None Observed	dry	0.0	dry
	10.26.11		None Observed	dry	0.0	dry
	1.26.12		None Observed	dry	0.0	dry
	4.18.12	6115.61	None Observed	19.58	0.0	6096.03
MW-40R	7.30.12		None Observed	19.69	0.0	6095.92
MINHON	4.23.13		None Observed	19.96 19.47	0.0	6095.65 6096.14
and the second sec	10.23.13		None Observed	19.12	0.0	6096.49
	1.25.11		None Observed	14.14	0.0	6097.93
	4.22.11		None Observed	14.18	0.0	6097.89
Sec. Carl	7.27.11		None Observed	14.08	0.0	6097.99
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.26.11		None Observed	14.97	0.0	6097.10
MW-41	1.26.12	6112.07	None Observed	14.20	0.0	6097.87
	4.18.12	0112.07	None Observed	14.27	0.0	6097.80
N 81 1 1 1 1	7.30.12		None Observed	14.21	0.0	6097.86
Sec. 1	10.18.12		None Observed	14.18	0.0	6097.89
	4.23.13		None Observed	14.39	0.0	6097.68
	10.23.13	6121.53	None Observed	14.23 24.88	0.0	6097.84 6096.65
and the second second	4.22.11**		None Observed	Errant Gauge	0.0	Errant Gauge
	7.27.11		None Observed	dry	0.0	dry
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	10.26.11		None Observed	25.16	0.0	6096.37
	1.26.12		None Observed	24.92	0.0	6096.61
MW-42	4.18.12		Not Gauged			Not Gauged
A Section 1	7.30.12		dry	dry	dry	dry
1.5	10.18.12		dry	dry	dry	dry
N. 19 19 1	4.23.13		dry	dry	dry	dry
La series	10.23.13		dry	dry	dry	dry

Monitoring Well ID	Measurement Data	Top-of-Casing Elevation (feet)	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwate
Mormoning wen in	Measurement Date 1.25.11	(ieei)	(feet) None Observed	(feet) 15.41	(feet) 0.0	Elevation ¹ 6097.51
and the second se	4.22.11	1	None Observed	15.41	0.0	6097.62
	7.27.11		None Observed	16.27	0.0	6096.65
	10.26.11	6112.92	None Observed	16.35	0.0	6096.57
	1.26.12		None Observed	16.05	0.0	6096.87
MW-43	4.18.12		None Observed	15.87	0.0	6097.05
	7.30.12		None Observed	15.82	0.0	6097.10
	10.18.12		None Observed	16.35	0.0	6096.57
1	4.23.13		None Observed	15.79	0.0	6097.13
	10.23.13		None Observed	15.33	0.0	6097.59
	1.25.11		None Observed	19.22	0.0	6095.19
	4.22.11		None Observed	19.02	0.0	6095.39
	7.27.11		None Observed	19.69	0.0	6094.72
	10.26.11		None Observed	19.86	0.0	6094.55
MW-47	1.26.12	6114.41	None Observed	19.79	0.0	6094.62
MIT 47	4.19.12	0114.41	None Observed	19.67	0.0	6094.74
	7.31.12		None Observed	19.87	0.0	6094.54
	10.18.12		None Observed	20.08	0.0	6094.33
	4.24.13		None Observed	19.65	0.0	6094.76
	10.23.13		None Observed	19.38	0.0	6095.03
	4.18.12	6109.21	Not Gauged	A 2002011		Not Gauged
1.1.1	7.30.12		None Observed	11.90	0.0	6097.31
MW-48	10.18.12		None Observed	12.26	0.0	6096.95
	4.23.13		None Observed	11.60	0.0	6097.61
and the second	10.23.13		None Observed	11.18	0.0	6098.03
1	4.18.12	6109.54	None Observed	12.38	0.0	6097.16
	7.30.12		None Observed	12.22	0.0	6097.32
MW-49	10.18.12		None Observed	12.92	0.0	6096.62
	4.23.13**		None Observed	Errant Gauge	0.0	Errant Gauge
and the second sec	10.23.13		None Observed	11.87	0.0	6097.67
	4.18.12	6120.62	None Observed	24.64	0.0	6095.98
12.21	7.30.12		None Observed	24.93	0.0	6095.69
MW-50	10.18.12		None Observed	25.11	0.0	6095.51
	4.23.13		None Observed	24.57	0.0	6096.05
ALL COLUMN	10.23.13		None Observed	24.37	0.0	6096.41
	4.18.12		None Observed	18.33	0.0	6095.17
100 A 100	7.30.12	6113.50				
MW-51	10.18.12		None Observed	17.47	0.0	6096.03
MW-51	04.23.13		None Observed	17.81	0.0	6095.69
			None Observed	17.35	0.0	6096.15
	10.23.13		None Observed	16.84	0.0	6096.66
S. S. Sandara	4.18.12	6118.98	None Observed		0.0	6097.87
10450	7.30.12		None Observed	21.10	0.0	6097.88
MW-52	10.18.12		None Observed	21.08	0.0	6097.90
and the Second	4.23.13		None Observed	21.25	0.0	6097.73
	10.23.13		None Observed	21.02	0.0	6097.96
MW-53	5.3.13	6109.41	None Observed	12.16	0.0	6097.25
	10.23.13	0100.11	None Observed	11.72	0.0	6097.69
MW-54	5.3.13	6107.62	None Observed	10.29	0.0	6097.33
	10.23.13		None Observed	9.82	0.0	6097.80
MW-55	5.3.13	6107.53	None Observed	9.82	0.0	6097.71
	10.23.13		None Observed	9.45	0.0	6098.08
MW-75	4.23.13	6116.28	None Observed	18.98	0.0	6097.30
111115	10.23.13	0110.20	None Observed	18.67	0.0	6097.61
MW-76	10.23.13	6123.36	None Observed	25.33	0.0	6098.03
MW-77	10.23.13	6130.97	None Observed	33.13	0.0	6097.84
MW-79	10.23.13	6127.81	None Observed	30.46	0.0	6097.35
MW-80	10.23.13	6124.39	None Observed	26.58	0.0	6097.81
MW-83	10.23.13	6116.86	None Observed	18.91	0.0	6097.95

* - Regauged 1.31.11 to confirm product thickness

** - Aberrant gauging data

1 - On 11/02/2012, this table was adjusted to reflect July 2012 re-survey and a specific gravity of 0.69 for LNAPL.



APPENDIX C

Laboratory Data Reports & Chain of Custody Documentation

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquergue, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

May 08, 2013

Kyle Summers

Southwest Geoscience 606 S. Rio Grande Unit A Aztec, NM 87410 TEL: (903) 821-5603 FAX: (214) 350-2914

RE: Largo CS

OrderNo.: 1304B01

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 27 sample(s) on 4/26/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015D: GASOLINE RANGE

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Lab Order 1304B01 Date Reported: 5/8/2013

Analyst: NSB

Analyst: NSB

5/1/2013 11:19:16 PM

CLIENT:	Southwest Geoscience	Client Sample ID: MW-40R Collection Date: 4/23/2013 8:30:00 AM					
Project:	Largo CS						
Lab ID: 1304B01-001		Matrix: AQUEOUS		Received Date: 4/26/2013 10:00:00 AM			
Analyses		Result	RL Qual	Units	DF	Date Analyzed	
EPA METH	OD 8015D: DIESEL RANGE					Analyst: GSA	
Diesel Rar	nge Organics (DRO)	ND	1.0	mg/L	1	5/1/2013 6:53:23 PM	
Sur: Di	NOP	113	75.4-146	%REC	1	5/1/2013 6:53:23 PM	

0.050

1.0

1.0

1.0

2.0

69.4-129

51.9-148

mg/L

µg/L

µg/L

µg/L

µg/L

%REC

%REC

1

1

1

1

1

1

1

ND

91.1

ND

ND

ND

ND

101

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Value above quantitation range Ε

J Analyte detected below quantitation limits

Sample pH greater than 2 P

Reporting Detection Limit RL

- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit ND

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery times 1 of 35 S

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1304B01 Date Reported: 5/8/2013

CLIENT:	Southwest	Geoscience
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Project: Largo CS Lab ID: 1304B01-002

Client Sample ID: MW-50 Collection Date: 4/23/2013 9:05:00 AM

Received Date: 4/26/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	3E				Analyst: GSA
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/1/2013 7:21:09 PM
Surr: DNOP	126	75.4-146	%REC	1	5/1/2013 7:21:09 PM
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	5/2/2013 12:45:04 AM
Surr: BFB	91.3	51.9-148	%REC	1	5/2/2013 12:45:04 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	5/2/2013 12:45:04 AM
Toluene	ND	1.0	µg/L	1	5/2/2013 12:45:04 AM
Ethylbenzene	ND	1.0	µg/L	1	5/2/2013 12:45:04 AM
Xylenes, Total	ND	2.0	µg/L	1	5/2/2013 12:45:04 AM
Surr: 4-Bromofluorobenzene	102	69.4-129	%REC	1	5/2/2013 12:45:04 AM

Matrix: AQUEOUS

Qualifiers:

* Value exceeds Maximum Contaminant Level.

Value above quantitation range Ε

Analyte detected below quantitation limits J

Sample pH greater than 2 P

RL Reporting Detection Limit

- Analyte detected in the associated Method Blank В
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Date Reported: 5/8/2013

5/2/2013 1:13:41 AM

Analyst: NSB

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience Client Sample ID: MW-51 Collection Date: 4/23/2013 10:20:00 AM **Project:** Largo CS Received Date: 4/26/2013 10:00:00 AM 1304B01-003 Matrix: AQUEOUS Lab ID: DF Analyses Result **RL** Qual Units **Date Analyzed** EPA METHOD 8015D: DIESEL RANGE Analyst: GSA 5/1/2013 7:48:56 PM **Diesel Range Organics (DRO)** ND 1.0 mg/L 1 Surr: DNOP 129 75.4-146 %REC 1 5/1/2013 7:48:56 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) 0.078 0.050 mg/L 1 5/2/2013 1:13:41 AM

51.9-148

1.0

%REC

µg/L

1

1

1

1

1

1

Surr: BFB **EPA METHOD 8021B: VOLATILES**

Benzene

Toluene

ND µg/L 1.0 Ethylbenzene 1.5 1.0 µg/L ND 2.0 Xylenes, Total µg/L Surr: 4-Bromofluorobenzene 107 69.4-129 %REC

97.7

3.0

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded H

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

Date Reported: 5/8/2013

5/2/2013 1:42:12 AM

Client Sample ID: MW-41 Collection Date: 4/23/2013 10:50:00 AM						
Result	RL Qual	Units	DF	Date Analyzed		
				Analyst: GSA		
ND	1.0	mg/L	1	5/1/2013 8:16:27 PM		
120	75.4-146	%REC	1	5/1/2013 8:16:27 PM		
IGE				Analyst: NSB		
ND	0.050	mg/L	1	5/2/2013 1:42:12 AM		
92.9	51.9-148	%REC	1	5/2/2013 1:42:12 AM		
				Analyst: NSB		
ND	1.0	µg/L	1	5/2/2013 1:42:12 AM		
ND	1.0	µg/L	1	5/2/2013 1:42:12 AM		
ND	1.0	µg/L	1	5/2/2013 1:42:12 AM		
ND	2.0	µg/L	1	5/2/2013 1:42:12 AM		
	Result ND 120 GE ND 92.9 ND ND ND ND	Matrix: AQUEOUS Result RL Qual ND 1.0 1.0 120 75.4-146 9 ND 0.050 92.9 92.9 51.9-148 1.0 ND 1.0 1.0	Collection I Matrix: AQUEOUS Received I Result RL Qual Units ND 1.0 mg/L 120 75.4-146 %REC ND 0.050 mg/L 92.9 51.9-148 %REC ND 1.0 µg/L ND 1.0 µg/L ND 1.0 µg/L	ND 1.0 mg/L 1 120 75.4-146 %REC 1 ND 0.050 mg/L 1 92.9 51.9-148 %REC 1 ND 1.0 µg/L 1 ND 0.050 mg/L 1 92.9 51.9-148 %REC 1 ND 1.0 µg/L 1 ND 1.0 µg/L 1 ND 1.0 µg/L 1		

69.4-129

105

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

В Analyte detected in the associated Method Blank

1

%REC

- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015D: GASOLINE RANGE

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Lab Order 1304B01 Date Reported: 5/8/2013

Analyst: NSB

Analyst: NSB

5/2/2013 2:10:47 AM

CLIENT:	Southwest Geoscience	Client Sample ID: MW-43					
Project:	Largo CS		013 12:10:00 PM				
Lab ID: 1304B01-005 Analyses		Matrix:	AQUEOUS	Received Date: 4/26/2013 10:00:00 AM			
		Result	RL Qual	Units	DF	Date Analyzed	
EPA MET	HOD 8015D: DIESEL RANGE					Analyst: GSA	
Diesel Range Organics (DRO)		ND	1.0	mg/L	1	5/1/2013 8:44:01 PM	
Surr: I	DNOP	106	75.4-146	%REC	1	5/1/2013 8:44:01 PM	

0.25

5.0

5.0

5.0

10

69.4-129

51.9-148

mg/L

µg/L

µg/L

µg/L

µg/L

%REC

%REC

5

5

5

5

5

5

5

ND

91.9

ND

ND

ND

ND

102

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/8/2013

CLIENT: Southwest Geoscience

Project: Largo CS Lab ID: 1304B01-006

Client Sample ID: MW-32 Collection Date: 4/23/2013 1:20:00 PM

Received Date: 4/26/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	3E				Analyst: GSA
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/1/2013 9:11:20 PM
Surr: DNOP	134	75.4-146	%REC	1	5/1/2013 9:11:20 PM
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	5/2/2013 2:39:29 AM
Surr: BFB	90.2	51.9-148	%REC	1	5/2/2013 2:39:29 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	5/2/2013 2:39:29 AM
Toluene	ND	1.0	µg/L	1	5/2/2013 2:39:29 AM
Ethylbenzene	ND	1.0	µg/L	1	5/2/2013 2:39:29 AM
Xylenes, Total	ND	2.0	µg/L	1	5/2/2013 2:39:29 AM
Surr: 4-Bromofluorobenzene	99.5	69.4-129	%REC	1	5/2/2013 2:39:29 AM

Matrix: AQUEOUS

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1304B01 Date Reported: 5/8/2013

CLIENT:	Southwest	Geoscience

Project: Largo CS 1304B01-007

Client Sample ID: MW-75 Collection Date: 4/23/2013 12:50:00 PM Received Date: 4/26/2013 10:00:00 AM

Matrix: AQUEOUS Lab ID: DF Result **RL** Qual Units **Date Analyzed** Analyses EPA METHOD 8015D: DIESEL RANGE Analyst: GSA 5/1/2013 9:38:51 PM **Diesel Range Organics (DRO)** ND 1.0 mg/L 1 Surr: DNOP 133 75.4-146 %REC 1 5/1/2013 9:38:51 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 5/1/2013 3:08:38 PM Gasoline Range Organics (GRO) ND 0.050 mg/L 1 5/1/2013 3:08:38 PM Surr: BFB 92.5 %REC 1 51.9-148 **EPA METHOD 8021B: VOLATILES** Analyst: NSB 5/1/2013 3:08:38 PM ND 1.0 µg/L 1 Benzene ND 5/1/2013 3:08:38 PM µg/L 1 Toluene 1.0 Ethylbenzene ND 1.0 µg/L 1 5/1/2013 3:08:38 PM ND 2.0 1 5/1/2013 3:08:38 PM Xylenes, Total µg/L Surr: 4-Bromofluorobenzene 97.1 69.4-129 %REC 1 5/1/2013 3:08:38 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- J Analyte detected below quantitation limits

P Sample pH greater than 2

Reporting Detection Limit RL

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND

RPD outside accepted recovery limits R

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015D: GASOLINE RANGE

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Lab Order 1304B01 Date Reported: 5/8/2013

Analyst: NSB

Analyst: NSB

5/1/2013 4:39:27 PM

CLIENT:	Southwest Geoscience	Client Sample ID: MW-34 Collection Date: 4/23/2013 1:50:00 PM					
Project:	Largo CS						
Lab ID:	1304B01-008	Matrix:	AQUEOUS	Received Date: 4/26/2013 10:00:00 AM			
Analyses		Result	RL Qual	Units	DF	Date Analyzed	
EPA MET	HOD 8015D: DIESEL RANGE					Analyst: GSA	
Diesel Range Organics (DRO)		ND	1.0	mg/L	1	5/1/2013 10:06:23 PM	
Surr: DNOP		117	75.4-146	%REC	1	5/1/2013 10:06:23 PM	

0.050

1.0

1.0

1.0

2.0

69.4-129

51.9-148

mg/L

µg/L

µg/L

µg/L

µg/L

%REC

%REC

1

1

1

1

1

1

1

ND

92.4

ND

ND

ND

ND

97.6

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

-

Date Reported: 5/8/2013

CLIENT:	: Southwest Geoscience	Client Sample ID: MW-39							
Project:	Largo CS		Collection Date: 4/23/2013 2:20:00 PM						
Lab ID:	1304B01-009	Matrix:	AQUEOUS	Received I	Received Date: 4/26/2013 10:00:00 AM				
Analyses	Analyses		RL Qua	l Units	DF	Date Analyzed			
EPA ME	THOD 8015D: DIESEL RANG	GE				Analyst: GSA			
Diesel R	Range Organics (DRO)	ND	1.0	mg/L	1	5/1/2013 10:33:23 PM			
Surr:	DNOP	124	75.4-146	%REC	1	5/1/2013 10:33:23 PM			
EPA ME	THOD 8015D: GASOLINE R	ANGE				Analyst: NSB			
Gasoline	e Range Organics (GRO)	ND	0.050	mg/L	1	5/1/2013 6:10:26 PM			
Surr:	BFB	92.8	51.9-148	%REC	1	5/1/2013 6:10:26 PM			
EPA ME	THOD 8021B: VOLATILES					Analyst: NSB			

EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	5/1/2013 6:10:26 PM
Toluene	ND	1.0	µg/L	1	5/1/2013 6:10:26 PM
Ethylbenzene	ND	1.0	µg/L	1	5/1/2013 6:10:26 PM
Xylenes, Total	ND	2.0	µg/L	1	5/1/2013 6:10:26 PM
Surr: 4-Bromofluorobenzene	99.6	69.4-129	%REC	1	5/1/2013 6:10:26 PM

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

Sample pH greater than 2 P

RL Reporting Detection Limit

- Analyte detected in the associated Method Blank в
- Holding times for preparation or analysis exceeded H

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Date Reported: 5/8/2013

Hall Environmental Analysis Laboratory, Inc.

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CLIENT: Southwest Geoscience	Client Sample ID: MW-52 Collection Date: 4/23/2013 2:50:00 PM						
Project: Largo CS							
Lab ID: 1304B01-010	Matrix:	Received Date: 4/26/2013 10:00:00 AM					
Analyses	Result	RL Qual	Units	DF	Date Analyzed		
EPA METHOD 8015D: DIESEL RANG	ε				Analyst: GSA		
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/1/2013 11:00:37 PM		
Surr: DNOP	129	75.4-146	%REC	1	5/1/2013 11:00:37 PM		
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB		
Gasoline Range Organics (GRO)	0.11	0.050	mg/L	1	5/1/2013 6:40:37 PM		
Surr: BFB	98.1	51.9-148	%REC	1	5/1/2013 6:40:37 PM		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	30	1.0	µg/L	1	5/1/2013 6:40:37 PM		
Toluene	ND	1.0	µg/L	1	5/1/2013 6:40:37 PM		

ND 1.0 µg/L µg/L ND 1.0 5/1/2013 6:40:37 PM Ethylbenzene 1 2.0 1 5/1/2013 6:40:37 PM Xylenes, Total ND µg/L Surr: 4-Bromofluorobenzene 98.4 69.4-129 %REC 1 5/1/2013 6:40:37 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Date Reported: 5/8/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience **Client Sample ID: MW-49** Collection Date: 4/23/2013 3:40:00 PM Largo CS **Project:** Lab ID: 1304B01-011 Matrix: AQUEOUS Received Date: 4/26/2013 10:00:00 AM DF Result **RL** Qual Units **Date Analyzed** Analyses EPA METHOD 8015D: DIESEL RANGE Analyst: GSA

EPA METHOD OUTSD: DIESEL RANGE					Analyst. GSA
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/1/2013 11:54:47 PM
Surr: DNOP	109	75.4-146	%REC	1	5/1/2013 11:54:47 PM
EPA METHOD 8015D: GASOLINE RANG	θE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	5/1/2013 7:10:51 PM
Surr: BFB	91.8	51.9-148	%REC	1	5/1/2013 7:10:51 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	5/1/2013 7:10:51 PM
Toluene	ND	1.0	µg/L	1	5/1/2013 7:10:51 PM
Ethylbenzene	ND	1.0	µg/L	1	5/1/2013 7:10:51 PM
Xylenes, Total	ND	2.0	µg/L	1	5/1/2013 7:10:51 PM
Surr: 4-Bromofluorobenzene	95.6	69.4-129	%REC	1	5/1/2013 7:10:51 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

5/2/2013 1:51:03 PM

Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

Lab Order 1304B01 Date Reported: 5/8/2013

CLIENT: Southwest Geoscience	Client Sample ID: MW-48							
Project: Largo CS	Collection Date: 4/23/2013 4:05:00 PM							
Lab ID: 1304B01-012	Matrix: AQUEOUS			Received D	ate: 4/26/2	013 10:00:00 AM		
Analyses	Result	RL O	Qual	Units	DF	Date Analyzed		
EPA METHOD 8015D: DIESEL RANG	E					Analyst: GSA		
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/2/2013 12:21:47 AM		
Surr: DNOP	153	75.4-146	S	%REC	1	5/2/2013 12:21:47 AM		
EPA METHOD 8015D: GASOLINE RA	ANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	2.9	0.25		mg/L	5	5/2/2013 1:51:03 PM		
Surr: BFB	163	51.5-151	S	%REC	5	5/2/2013 1:51:03 PM		
EPA METHOD 8021B: VOLATILES						Analyst: NSB		
Benzene	140	5.0		µg/L	5	5/2/2013 1:51:03 PM		
Toluene	ND	5.0		µg/L	5	5/2/2013 1:51:03 PM		
Ethylbenzene	170	5.0		µg/L	5	5/2/2013 1:51:03 PM		
Xylenes, Total	310	10		µg/L	5	5/2/2013 1:51:03 PM		

69.4-129

S

%REC

5

136

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Date Reported: 5/8/2013

5/1/2013 10:12:38 PM

Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

CLIENT: Southwest Geoscience	Client Sample ID: MW-38							
Project: Largo CS	Collection Date: 4/23/2013 4:40:00 PM							
Lab ID: 1304B01-013	Matrix:	AQUEOUS		Received D	ate: 4/26/2	013 10:00:00 AM		
Analyses	Result	RL (Qual	Units	DF	Date Analyzed		
EPA METHOD 8015D: DIESEL RANG	E					Analyst: GSA		
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/2/2013 12:48:49 AM		
Sur: DNOP	155	75.4-146	S	%REC	1	5/2/2013 12:48:49 AM		
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst: NSB		
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	5/1/2013 10:12:38 PM		
Surr: BFB	92.5	51.9-148		%REC	1	5/1/2013 10:12:38 PM		
EPA METHOD 8021B: VOLATILES						Analyst: NSB		
Benzene	ND	1.0		µg/L	1	5/1/2013 10:12:38 PM		
Toluene	ND	1.0		µg/L	1	5/1/2013 10:12:38 PM		
Ethylbenzene	ND	1.0		µg/L	1	5/1/2013 10:12:38 PM		
Xylenes, Total	ND	2.0		µg/L	1	5/1/2013 10:12:38 PM		

69.4-129

%REC

1

98.7

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Lab Order 1304B01

Date Reported: 5/8/2013

Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

CLIENT: Southwest Geoscience	Client Sample ID: MW-37							
Project: Largo CS	Collection Date: 4/23/2013 5:00:00 PM							
Lab ID: 1304B01-014	Matrix:	AQUEOUS	Received I	Date: 4/26/2	013 10:00:00 AM			
Analyses	Result	RL Qual	Units	DF	Date Analyzed			
EPA METHOD 8015D: DIESEL RANG	BE				Analyst: GSA			
Diesel Range Organics (DRO)	4.1	1.0	mg/L	1	5/2/2013 1:15:54 AM			
Surr: DNOP	117	75.4-146	%REC	1	5/2/2013 1:15:54 AM			
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst: NSB			
Gasoline Range Organics (GRO)	13	2.5	mg/L	50	5/1/2013 10:42:55 PM			
Surr: BFB	108	51.9-148	%REC	50	5/1/2013 10:42:55 PM			
EPA METHOD 8021B: VOLATILES					Analyst: NSB			
Benzene	670	50	µg/L	50	5/1/2013 10:42:55 PM			
Toluene	260	50	µg/L	50	5/1/2013 10:42:55 PM			
Ethylbenzene	230	50	µg/L	50	5/1/2013 10:42:55 PM			
Xylenes, Total	1100	100	µg/L	50	5/1/2013 10:42:55 PM			

69.4-129

%REC

50

5/1/2013 10:42:55 PM

100

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1304B01 Date Reported: 5/8/2013

CLIENT: Southwest Geoscience

Project: Largo CS Lab ID: 1304B01-015

Client Sample ID: MW-36 Collection Date: 4/23/2013 5:35:00 PM

Received Date: 4/26/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	GE				Analyst: GSA
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/2/2013 1:42:39 AM
Surr: DNOP	114	75.4-146	%REC	1	5/2/2013 1:42:39 AM
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	5/1/2013 11:43:29 PM
Sur: BFB	90.8	51.9-148	%REC	1	5/1/2013 11:43:29 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	5/1/2013 11:43:29 PM
Toluene	ND	1.0	µg/L	1	5/1/2013 11:43:29 PM
Ethylbenzene	ND	1.0	µg/L	1	5/1/2013 11:43:29 PM
Xylenes, Total	ND	2.0	µg/L	1	5/1/2013 11:43:29 PM
Surr: 4-Bromofluorobenzene	96.6	69.4-129	%REC	1	5/1/2013 11:43:29 PM

Matrix: AQUEOUS

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Ε Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1304B01 Date Reported: 5/8/2013

CLIENT: Southwest Geoscience	CI	LIENT:	Southwest	Geoscience	
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Project: Largo CS Lab ID: 1304B01-016

Client Sample ID: MW-8 Collection Date: 4/24/2013 8:10:00 AM

Received Date: 4/26/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	GE				Analyst: GSA
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/2/2013 3:02:33 AM
Surr: DNOP	104	75.4-146	%REC	1	5/2/2013 3:02:33 AM
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	5/2/2013 12:13:51 AM
Surr: BFB	90.5	51.9-148	%REC	1	5/2/2013 12:13:51 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	5/2/2013 12:13:51 AM
Toluene	ND	1.0	µg/L	1	5/2/2013 12:13:51 AM
Ethylbenzene	ND	1.0	µg/L	1	5/2/2013 12:13:51 AM
Xylenes, Total	ND	2.0	µg/L	1	5/2/2013 12:13:51 AM
Surr: 4-Bromofluorobenzene	95.6	69.4-129	%REC	1	5/2/2013 12:13:51 AM

Matrix: AQUEOUS

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Value above quantitation range Е

Analyte detected below quantitation limits J

Sample pH greater than 2 P

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1304B01 Date Reported: 5/8/2013

CLIENT:	Southwest	Geoscience

Project: Largo CS Lab ID: 1304B01-017

Client Sample ID: MW-47 Collection Date: 4/24/2013 8:50:00 AM Received Date: 4/26/2013 10:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE						Analyst: GSA
Diesel Range Organics (DRO)	2.3	1.0		mg/L	1	5/2/2013 3:29:00 AM
Sur: DNOP	99.6	75.4-146		%REC	1	5/2/2013 3:29:00 AM
EPA METHOD 8015D: GASOLINE RAM	NGE					Analyst: NSB
Gasoline Range Organics (GRO)	6.4	0.25		mg/L	5	5/2/2013 12:44:06 AM
Surr: BFB	595	51.9-148	S	%REC	5	5/2/2013 12:44:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	5.0		µg/L	5	5/2/2013 12:44:06 AM
Toluene	ND	5.0		µg/L	5	5/2/2013 12:44:06 AM
Ethylbenzene	5.0	5.0		µg/L	5	5/2/2013 12:44:06 AM
Xylenes, Total	ND	10		µg/L	5	5/2/2013 12:44:06 AM
Surr: 4-Bromofluorobenzene	216	69.4-129	S	%REC	5	5/2/2013 12:44:06 AM

Matrix: AQUEOUS

Qualifiers:

* Value exceeds Maximum Contaminant Level.

Value above quantitation range Е

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- в Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

RPD outside accepted recovery limits R

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1304B01 Date Reported: 5/8/2013

CLIENT: Southwest Geoscience

Project: Largo CS Lab ID: 1304B01-018

Client Sample ID: MW-14 Collection Date: 4/24/2013 9:30:00 AM

Received Date: 4/26/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	E				Analyst: GSA
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/2/2013 3:55:28 AM
Surr: DNOP	119	75.4-146	%REC	1	5/2/2013 3:55:28 AM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	5/2/2013 1:44:23 AM
Surr: BFB	92.3	51.9-148	%REC	1	5/2/2013 1:44:23 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	5/2/2013 1:44:23 AM
Toluene	ND	1.0	µg/L	1	5/2/2013 1:44:23 AM
Ethylbenzene	ND	1.0	µg/L	1	5/2/2013 1:44:23 AM
Xylenes, Total	ND	2.0	µg/L	1	5/2/2013 1:44:23 AM
Surr: 4-Bromofluorobenzene	102	69.4-129	%REC	1	5/2/2013 1:44:23 AM

Matrix: AQUEOUS

Qualifiers:

*

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range Е

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1304B01 Date Reported: 5/8/2013

CLIENT: Southwest Geoscience	Client Sample ID: MW-15							
Project: Largo CS	Collection Date: 4/24/2013 10:05:00 AM							
Lab ID: 1304B01-019	Matrix:	Matrix: AQUEOUS		Received Date: 4/26/2013 10:00:00 AM				
Analyses	Result	RL Qual	Units	DF	Date Analyzed			
EPA METHOD 8015D: DIESEL RANG	E		8		Analyst: GSA			
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/2/2013 4:48:56 AM			
Sur: DNOP	107	75.4-146	%REC	1	5/2/2013 4:48:56 AM			
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB			
Gasoline Range Organics (GRO)	0.094	0.050	mg/L	1	5/2/2013 2:14:38 AM			
Surr: BFB	102	51.9-148	%REC	1	5/2/2013 2:14:38 AM			
EPA METHOD 8021B: VOLATILES					Analyst: NSB			
Benzene	6.4	1.0	µg/L	1	5/2/2013 2:14:38 AM			
Toluene	ND	1.0	µg/L	1	5/2/2013 2:14:38 AM			
Ethylbenzene	ND	1.0	µg/L	1	5/2/2013 2:14:38 AM			
Xylenes, Total	ND	2.0	µg/L	1	5/2/2013 2:14:38 AM			
Surr: 4-Bromofluorobenzene	102	69.4-129	%REC	1	5/2/2013 2:14:38 AM			

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Value above quantitation range Е

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

RPD outside accepted recovery limits R

Date Reported: 5/8/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience	Client Sample ID: MW-3R Collection Date: 4/24/2013 10:45:00 AM							
Project: Largo CS								
Lab ID: 1304B01-020	Matrix:	AQUEOUS	Received D	ed Date: 4/26/2013 10:00:00 AM				
Analyses	Result	RL Qual	Units	DF	Date Analyzed			
EPA METHOD 8015D: DIESEL RANG	ε				Analyst: GSA			
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/2/2013 5:15:41 AM			
Surr: DNOP	126	75.4-146	%REC	1	5/2/2013 5:15:41 AM			
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB			
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	5/2/2013 3:15:12 AM			
Surr: BFB	96.5	51.9-148	%REC	1	5/2/2013 3:15:12 AM			
EPA METHOD 8021B: VOLATILES					Analyst: NSB			
Benzene	ND	1.0	µg/L	1	5/2/2013 3:15:12 AM			

EPA METHOD 8021B: VOLATILES					Analyst: NSE
Benzene	ND	1.0	µg/L	1	5/2/2013 3:15:12 AM
Toluene	ND	1.0	µg/L	1	5/2/2013 3:15:12 AM
Ethylbenzene	ND	1.0	µg/L	1	5/2/2013 3:15:12 AM
Xylenes, Total	ND	2.0	µg/L	1	5/2/2013 3:15:12 AM
Surr: 4-Bromofluorobenzene	97.3	69.4-129	%REC	1	5/2/2013 3:15:12 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits J

P Sample pH greater than 2

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded H

Not Detected at the Reporting Limit ND

R RPD outside accepted recovery limits

Date Reported: 5/8/2013

Analyst: NSB

Analyst: NSB

5/2/2013 2:21:12 PM

5/2/2013 2:21:12 PM

5/2/2013 3:45:27 AM

5/2/2013 2:21:12 PM

5/2/2013 2:21:12 PM

5/2/2013 2:21:12 PM

5/2/2013 2:21:12 PM

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015D: GASOLINE RANGE

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Client Sample ID: MW-7 CLIENT: Southwest Geoscience Collection Date: 4/24/2013 11:20:00 AM **Project:** Largo CS Received Date: 4/26/2013 10:00:00 AM 1304B01-021 Matrix: AQUEOUS Lab ID: DF Result **RL** Qual Units **Date Analyzed** Analyses **EPA METHOD 8015D: DIESEL RANGE** Analyst: GSA 5/2/2013 5:42:57 AM **Diesel Range Organics (DRO)** ND 1.0 mg/L 1 Surr: DNOP 137 75.4-146 %REC 1 5/2/2013 5:42:57 AM

0.050

10

1.0

1.0

2.0

69.4-129

51.5-151

mg/L

µg/L

µg/L

µg/L

µg/L

%REC

%REC

1

1

10

1

1

1

1

0.60

100

120

ND

2.1

ND

105

0	1127.5	82.	~	2.43	1000
•	ua	m	г.	er	S.:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Date Reported: 5/8/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Southwest Geoscience			C	lient Sample	e ID: MW-1	3
Project:	Largo CS				Collection D	ate: 4/24/2	013 11:55:00 AM
Lab ID:	1304B01-022	Matrix:	AQUEOUS	5	Received D	ate: 4/26/2	013 10:00:00 AM
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
EPA MET	THOD 8015D: DIESEL RANG	E					Analyst: GSA
Diesel R	ange Organics (DRO)	ND	1.0		mg/L	1	5/2/2013 6:09:58 AM
Surr:	DNOP	148	75.4-146	S	%REC	1	5/2/2013 6:09:58 AM
EPA ME	THOD 8015D: GASOLINE RA	ANGE					Analyst: NSB
Gasoline	e Range Organics (GRO)	ND	0.050		mg/L	1	5/2/2013 3:21:42 PM
Surr:	BFB	88.7	51.5-151		%REC	1	5/2/2013 3:21:42 PM

E

=

EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	5/2/2013 3:21:42 PM
Toluene	ND	1.0	µg/L	1	5/2/2013 3:21:42 PM
Ethylbenzene	ND	1.0	µg/L	1	5/2/2013 3:21:42 PM
Xylenes, Total	ND	2.0	µg/L	1	5/2/2013 3:21:42 PM
Surr: 4-Bromofluorobenzene	98.6	69.4-129	%REC	1	5/2/2013 3:21:42 PM

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Ε Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1304B01 Date Reported: 5/8/2013

CLIENT. Doumwest Geoscience	CLIENT:	Southwest	Geoscience
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Project: Largo CS Lab ID: 1304B01-023

-

Client Sample ID: MW-6 Collection Date: 4/24/2013 12:30:00 PM

Received Date: 4/26/2013 10:00:00 AM

Analyses	Result	RL O	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG)E					Analyst: GSA
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/2/2013 6:37:29 AM
Surr: DNOP	147	75.4-146	S	%REC	1	5/2/2013 6:37:29 AM
EPA METHOD 8015D: GASOLINE RA	ANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	5/2/2013 4:52:43 PM
Surr: BFB	91.8	51.5-151		%REC	1	5/2/2013 4:52:43 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	5/2/2013 4:52:43 PM
Toluene	ND	1.0		µg/L	1	5/2/2013 4:52:43 PM
Ethylbenzene	ND	1.0		µg/L	1	5/2/2013 4:52:43 PM
Xylenes, Total	ND	2.0		µg/L	1	5/2/2013 4:52:43 PM
Surr: 4-Bromofluorobenzene	103	69.4-129		%REC	1	5/2/2013 4:52:43 PM

Matrix: AQUEOUS

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Value above quantitation range Ε

J Analyte detected below quantitation limits

Sample pH greater than 2 P

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1304B01 Date Reported: 5/8/2013

CLIENT:	Southwest Geoscience			0	lient Sample	D:MW-9	
Project:	Largo CS				Collection I	ate: 4/24/2	013 1:10:00 PM
Lab ID:	1304B01-024	Matrix:	AQUEOUS	S	Received I	ate: 4/26/2	013 10:00:00 AM
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
EPA MET	HOD 8015D: DIESEL RANG)E					Analyst: GSA
Diesel R	ange Organics (DRO)	ND	1.0		mg/L	1	5/2/2013 7:04:40 AM
Surr: [DNOP	147	75.4-146	s	%REC	1	5/2/2013 7:04:40 AM
EPA MET	HOD 8015D: GASOLINE R	ANGE					Analyst: NSB
Gasoline	Range Organics (GRO)	ND	0.050		mg/L	1	5/2/2013 6:25:50 PM
Surr: I	BFB	91.8	51.5-151		%REC	1	5/2/2013 6:25:50 PM
EPA MET	HOD 8021B: VOLATILES						Analyst: NSB

NSB Analy st: ND 1.0 µg/L 1 5/2/2013 6:25:50 PM Benzene ND Toluene 1.0 µg/L 1 5/2/2013 6:25:50 PM Ethylbenzene ND 1.0 µg/L 1 5/2/2013 6:25:50 PM Xylenes, Total ND 2.0 µg/L 1 5/2/2013 6:25:50 PM Surr: 4-Bromofluorobenzene 104 %REC 1 5/2/2013 6:25:50 PM 69.4-129

Qualifiers:

*

- Value exceeds Maximum Contaminant Level.
- Ε Value above quantitation range

Analyte detected below quantitation limits J

Sample pH greater than 2 P

RL **Reporting Detection Limit**

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Analytical Report Lab Order 1304B01 Date Reported: 5/8/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience Client Sample ID: MW-16 Project: Largo CS Collection Date: 4/24/2013 2:10:00 PM 1304B01-025 Matrix: AQUEOUS Received Date: 4/26/2013 10:00:00 AM Lab ID: Analyses Result **RL** Qual Units DF **Date Analyzed** EPA METHOD 8015D: DIESEL RANGE Analyst: GSA

Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/2/2013 7:31:48 AM
Surr: DNOP	139	75.4-146	%REC	1	5/2/2013 7:31:48 AM
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: NSB
Gasoline Range Organics (GRO)	0.097	0.050	mg/L	1	5/2/2013 6:56:04 PM
Surr: BFB	106	51.5-151	%REC	1	5/2/2013 6:56:04 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	10	1.0	µg/L	1	5/2/2013 6:56:04 PM
Toluene	ND	1.0	µg/L	1	5/2/2013 6:56:04 PM
Ethylbenzene	ND	1.0	µg/L	1	5/2/2013 6:56:04 PM
Xylenes, Total	ND	2.0	µg/L	1	5/2/2013 6:56:04 PM
Surr: 4-Bromofluorobenzene	104	69.4-129	%REC	1	5/2/2013 6:56:04 PM

Qualifiers:

.

Value exceeds Maximum Contaminant Level.

Value above quantitation range Е

Analyte detected below quantitation limits J

Sample pH greater than 2 P

RL Reporting Detection Limit

- в Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Lab Order 1304B01

Date Reported: 5/8/2013

5/2/2013 8:26:47 PM

Analyst: NSB

Hall Environmental Analysis Laboratory, Inc.

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

CLIENT: Southwest Geoscience		(Client Sample	e ID: MW-1	1
Project: Largo CS			Collection I	Date: 4/24/2	013 2:55:00 PM
Lab ID: 1304B01-026	Matrix:	AQUEOUS	Received I	Date: 4/26/2	013 10:00:00 AM
Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE					Analyst: GSA
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/2/2013 7:58:31 AM
Sur: DNOP	126	75.4-146	%REC	1	5/2/2013 7:58:31 AM
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst: NSB

0.050

1.0

1.0

1.0

2.0

69.4-129

51.5-151

mg/L

µg/L

µg/L

µg/L

µg/L

%REC

%REC

1

1

1

1

1

1

1

0.14

97.6

40

ND

1.5

ND

102

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/8/2013

CLIENT: Southwest Geoscience

Project: Largo CS Lab ID: 1304B01-027

Client Sample ID: MW-12 Collection Date: 4/24/2013 4:00:00 PM

Received Date: 4/26/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RAN	GE				Analyst: GSA
Diesel Range Organics (DRO)	5.8	1.0	mg/L	1	5/2/2013 8:25:00 AM
Surr: DNOP	126	75.4-146	%REC	1	5/2/2013 8:25:00 AM
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	23	0.25	mg/L	5	5/2/2013 10:58:10 PM
Surr: BFB	115	51.5-151	%REC	5	5/2/2013 10:58:10 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	6900	100	µg/L	100	5/3/2013 12:31:21 PM
Toluene	150	5.0	µg/L	5	5/2/2013 10:58:10 PM
Ethylbenzene	96	5.0	µg/L	5	5/2/2013 10:58:10 PM
Xylenes, Total	850	10	µg/L	5	5/2/2013 10:58:10 PM
Surr: 4-Bromofluorobenzene	116	69.4-129	%REC	5	5/2/2013 10:58:10 PM

Matrix: AQUEOUS

Qualifiers:

*

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

WO#: 1304B01

08-May-13

Client: Southwest Geoscience **Project:** Largo CS Sample ID: MB-7203 SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Client ID: PBW Batch ID: 7203 RunNo: 10178 Prep Date: 4/29/2013 Analysis Date: 4/29/2013 SeqNo: 290286 Units: mg/L SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result PQL HighLimit Qual Diesel Range Organics (DRO) ND 1.0 Surr: DNOP 1.2 1.000 121 75.4 146 Sample ID: LCS-7203 SampType: LCS TestCode: EPA Method 8015D: Diesel Range Client ID: LCSW Batch ID: 7203 RunNo: 10178 Prep Date: 4/29/2013 Analysis Date: 4/29/2013 SeqNo: 290287 Units: mg/L HighLimit Result PQL SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte LowLimit Qual **Diesel Range Organics (DRO)** 6.2 1.0 5.000 0 125 89.1 151 Sur: DNOP 0.59 0.5000 118 75.4 146 Sample ID: MB-7242 SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Client ID: PBW Batch ID: 7242 RunNo: 10237 Prep Date: 5/1/2013 Analysis Date: 5/2/2013 SeqNo: 292573 Units: mg/L Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual **Diesel Range Organics (DRO)** ND 1.0 Sur: DNOP 1.0 1.000 104 75.4 146 Sample ID: LCS-7242 SampType: LCS TestCode: EPA Method 8015D: Diesel Range Client ID: LCSW Batch ID: 7242 RunNo: 10237 Prep Date: 5/1/2013 Analysis Date: 5/2/2013 SeqNo: 292574 Units: mg/L SPK value SPK Ref Val %REC %RPD RPDLimit Analyte Result PQL LowLimit HighLimit Qual Diesel Range Organics (DRO) 5.0 1.0 5.000 0 101 89.1 151 Sur: DNOP 0.5000 0.51 102 75.4 146

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- **RL** Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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ery limits

WO#: 1304B01

08-May-13

Client: Southwes Project: Largo CS	st Geoscien	ce								
Sample ID: 5ML RB	SampT	vne: M		Toe	tCode: El	PA Mathad	8015D: Gaso	line Pana		
Client ID: PBW		ID: R1			RunNo: 1		ourse. Gase	ine Kang		
							Linito: mall			
Prep Date:	Analysis D	ate: 5/	1/2013		SeqNo: 2	92404	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 18	0.050	20.00		91.2	51.9	148			
Sample ID: 2.5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSW	Batch	ID: R1	0256	F	RunNo: 1	0256				
Prep Date:	Analysis D	ate: 5/	/1/2013	5	SeqNo: 2	92405	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.48	0.050	The second second	0	97.0	73.2	124			Contraction of the
Surr: BFB	19		20.00		96.6	51.9	148			
Sample ID: 1304B01-001AMS	SampT	ype: MS	S	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID: MW-40R	Batch	ID: R1	0256	F	RunNo: 1	0256				
Prep Date:	Analysis D	ate: 5/	1/2013	5	SeqNo: 2	92408	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.51	0.050		0	101	65.2	137			
Surr: BFB	19		20.00		96.2	51.9	148			
Sample ID: 1304B01-001AMS	D SampT	ype: MS	SD	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID: MW-40R	Batch	ID: R1	0256	F	RunNo: 1	0256				
Prep Date:	Analysis D	ate: 5/	2/2013		SeqNo: 2	92409	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.46	0.050	Net of the optimal and the optimal	0	92.4	65.2	137	8.97	20	quui
Surr: BFB	19		20.00		97.4	51.9	148	0	0	
Sample ID: 5ML RB	SampT	ype: MI	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBW	Batch	ID: R1	0258	F	RunNo: 1	0258				
Prep Date:	Analysis D	ate: 5/	/1/2013	5	SeqNo: 2	92494	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050		OF ICINEI VAI	/orceo	LOWLINIK	riigiiciinii	/ortr D	R DEIIII	Quai
Surr: BFB	18		20.00		92.1	51.9	148			
Sample ID: 2.5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSW	Batch	ID: R1	0258	F	RunNo: 1	0258				
Prep Date:	Analysis D				SeqNo: 2		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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WO#: 1304B01

08-May-13

Client:	Southwest	Geoscier	ice								
Project:	Largo CS										
Sample ID: 2	2.5UG GRO LCS	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: I	LCSW	Batch	ID: R1	0258	F	RunNo: 1	0258				
Prep Date:		Analysis D	ate: 5/	1/2013	5	SeqNo: 2	92496	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		20		20.00		100	51.9	148			е II.
Sample ID:	1304B01-007AMS	SampT	ype: MS	5	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: I	MW-75	Batch	ID: R1	0258	F	RunNo: 1	0258				
Prep Date:		Analysis D	ate: 5/	1/2013	5	SeqNo: 2	92509	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	0.56	0.050	0.5000	0	112	65.2	137			
Surr: BFB	3	20		20.00		98.5	51.9	148			
Sample ID:	1304B01-007AMSD	SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	MW-75	Batch	ID: R1	0258	F	RunNo: 1	0258				
Prep Date:		Analysis D	ate: 5/	1/2013	5	SeqNo: 2	92510	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	0.55	0.050	0.5000	0	110	65.2	137	1.98	20	
Surr: BFB		20		20.00		99.7	51.9	148	0	0	
Sample ID:	5ML RB	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBW	Batch	ID: R1	0280	F	RunNo: 1	0280				
Prep Date:		Analysis D	ate: 5/	2/2013	5	SeqNo: 2	93163	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	ND	0.050								
Surr: BFB		18		20.00		90.5	51.5	151			
Sample ID:	2.5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSW	Batch	1D: R1	0280	F	RunNo: 1	0280				
Prep Date:		Analysis D	ate: 5/	2/2013	5	SeqNo: 2	93164	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Carrier and a second second second	Organics (GRO)	0.56	0.050	0.5000	0	112	73.2	124			
Surr: BFB		20		20.00		99.6	51.5	151			
Sample ID:	1304B01-022AMS	SampT	ype: MS	5	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	MW-13	Batch	n ID: R1	0280	F	RunNo: 1	0280				
Prep Date:		Analysis D	ate: 5/	2/2013	5	SeqNo: 2	93171	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
and the second se	Organics (GRO)	0.55	0.050	0.5000	0	109	65.2	137			
Surr: BFB		20		20.00		97.9	51.5	151			

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- **RL** Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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PD outside accepted recovery

WO#: 1304B01

08-May-13

Client: Southwest Geoscience

Project:

l

Largo CS

Sample ID: 1304B01-022AMS	D SampTy	pe: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: MW-13	Batch	ID: R1	0280	F	RunNo: 1	0280				
Prep Date:	Analysis Da	ate: 5/	2/2013	s	SeqNo: 2	93172	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.53	0.050	0.5000	0	107	65.2	137	2.55	20	
Surr: BFB	20		20.00		98.5	51.5	151	0	0	
Sample ID: 5ML RB	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBW	Batch	ID: R1	0320	F	RunNo: 1	0320				
Prep Date:	Analysis Da	ate: 5/	3/2013	s	SeqNo: 2	94180	Units: %RE	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	18		20.00		90.6	51.5	151	1.28		
Sample ID: 2.5UG GRO LCS	SampTy	/pe: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSW	Batch	ID: R1	0320	F	RunNo: 1	0320				
Prep Date:	Analysis Da	ate: 5/	3/2013	5	SeqNo: 2	94181	Units: %RE	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	20		20.00		99.8	51.5	151			

Qualifiers:

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- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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WO#: 1304B01

08-May-13

Client:		t Geoscien	ice								
Project:	Largo CS								-		_
Sample ID: 5	ML RB	SampType: MBLK			Tes						
Client ID: F	PBW	Batch ID: R10256		RunNo: 10256							
Prep Date:		Analysis D	ate: 5/	1/2013	5	SeqNo: 2	92424	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	1.0								
Toluene		ND	1.0	*							
Ethylbenzene		ND	1.0								
Xylenes, Total		ND	2.0								
Surr: 4-Bromot	fluorobenzene	21		20.00		103	69.4	129			
Sample ID: 1	OONG BTEX LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: L	.csw	Batch	1D: R1	0256	F	RunNo: 1	0256				
Prep Date:		Analysis D	ate: 5/	1/2013	5	SeqNo: 2	92426	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		20	1.0	20.00	0	102	80	120			
Toluene		20	1.0	20.00	0	102	80	120			
Ethylbenzene		20	1.0	20.00	0	101	80	120			
Xylenes, Total		60	2.0	60.00	0	101	80	120			
Surr: 4-Bromo	fluorobenzene	22		20.00		108	69.4	129			
Sample ID: 1	304A92-001AMS	SampT	ype: MS	6	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: E	BatchQC	Batch	1D: R1	0256	RunNo: 10256						
Prep Date:		Analysis D	ate: 5/	1/2013	5	SeqNo: 2	92436	Units: µg/L			
Analyte	*	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		28	1.0	20.00	7.199	104	80	120			
Toluene		21	1.0	20.00	0.2406	102	80	120			
Ethylbenzene		20	1.0	20.00	0	99.9	80	120			
Xylenes, Total		60	2.0	60.00	0.6764	99.4	80	120			
Surr: 4-Bromo	fluorobenzene	21		20.00	<i>.</i>	106	69.4	129			
Sample ID: 1	1304A92-001AMS	D SampT	ype: MS	SD	Tes	tCode: E	PA Method	8021B: Volat	iles	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
Client ID:	BatchQC	Batch	1D: R1	0256	F	RunNo: 1	0256				
Prep Date:		Analysis D)ate: 5/	1/2013	5	SeqNo: 2	92437	Units: µg/L			
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		26	1.0	20.00	7.199	92.0	80	120	8.86	20	
Toluene		18	1.0	20.00	0.2406	91.1	80	120	10.8	20	
Ethylbenzene		18	1.0	20.00	0	91.4	80	120	8.92	20	
Xylenes, Total		55	2.0	60.00	0.6764	89.9	80	120	9.93	20	
Sur 4-Bromo	fluorobenzene	22		20.00		108	69.4	129	0	0	

Qualifiers:

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- P Sample pH greater than 2
- **RL** Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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Spike Recovery outside acce

WO#: 1304B01

08-May-13

20 1 22											
Sample ID: 5MI	L RB	SampT	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PB	w	Batch ID: R10258			F						
Prep Date:		Analysis D	ate: 5/	1/2013	SegNo: 292542		Units: µg/L				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	1.0						N.		
Foluene		ND	1.0								
Ethylbenzene		ND	1.0								
Kylenes, Total		ND	2.0								
Surr: 4-Bromofluo	orobenzene	21		20.00		103	69.4	129			
Sample ID: 100	NG BTEX LCS	CS SampType: LCS			Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LC	sw	Batch	1D: R1	0258	F	RunNo: 1	0258				
Prep Date:		Analysis D				SeqNo: 2		Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		21	1.0	20.00	0	104	80	120	a		
Foluene		21	1.0	20.00	0	104	80	120			
Ethylbenzene		21	1.0	20.00	0	105	80	120			
Xylenes, Total		65	2.0	60.00	0	108	80	120			
Surr: 4-Bromofluo	probenzene	21		20.00		106	69.4	129		- Aller	
Sample ID: 130	4B01-008AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: MW	V-34	Batch	1D: R1	0258	RunNo: 10258						
Prep Date:		Analysis D	ate: 5/	1/2013	5	SeqNo: 2	92549	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		17	1.0	20.00	0	83.8	80	120		a second	
Toluene		17	1.0	20.00	0.3300	83.2	80	120			
Ethylbenzene		17	1.0	20.00	0	85.2	80	120			
Xylenes, Total		54	2.0	60.00	0	90.4	80	120			
Surr: 4-Bromofluc	probenzene	20		20.00		101	69.4	129			
Sample ID: 130	04B01-008AMSE) SampT	ype: MS	SD	Tes	tCode: El	PA Method	8021B: Volat	lles		
Client ID: MV	V-34	Batch	1D: R1	0258	F	RunNo: 1	0258				
Prep Date:		Analysis D	ate: 5/	1/2013	5	eqNo: 2	92550	Units: µg/L			
Analyte		Result	PQL	Children als and and the second	SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		16	1.0	20.00	0	82.4	80	120	1.66	20	
Toluene		17	1.0	20.00	0.3300	81.4	80	120	2.19	20	
Ethylbenzene		17	1.0	20.00	0	83.1	80	120	2.46	20	
Xylenes, Total		53	2.0	60.00	0	88.7	80	120	1.98	20	
Surr: 4-Bromofluc	probenzene	20		20.00		101	69.4	129	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Ε Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL **Reporting Detection Limit**

- Analyte detected in the associated Method Blank B
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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WO#: 1304B01

08-May-13

Client:	Southwest	Geoscien	ce								
Project:	Largo CS										
Sample ID:	5ML RB	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID:	PBW	Batch	ID: R1	0280	F	RunNo:	10280				
Prep Date:		Analysis D	ate: 5/	2/2013	5	SeqNo: :	293191	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	1.0								
Toluene		ND	1.0								
Ethylbenzene		ND	1.0								
Xylenes, Total		ND	2.0								
	ofluorobenzene	20	1.1.4	20.00		102	69.4	129			
Sample ID:	100NG BTEX LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID:	LCSW	Batch	ID: R1	0280	F	RunNo:	10280				
Prep Date:		Analysis D	ate: 5/	2/2013	5	SeqNo: :	293192	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		20	1.0	20.00	0	100		120			
Toluene		20	1.0	20.00	0	100	2.3	120			
Ethylbenzene		20	1.0	20.00	0	100	80	120			
Xylenes, Total		61	2.0	60.00	0	101	80	120			
a su senoralité series series	ofluorobenzene	21		20.00		105	2.5	129			
Sample ID:	1304B01-023AMS	SampT	ype: MS	5	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID:	MW-6	Batch	ID: R1	0280	RunNo: 10280						
Prep Date:		Analysis D	ate: 5/	2/2013	5	SeqNo: :	293197	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		20	1.0	20.00	0	99.3	80	120			
Toluene		20	1.0	20.00	0.3400	97.9	80	120			
Ethylbenzene		20	1.0	20.00	0	99.8	80	120			
Xylenes, Total		61	2.0	60.00	0	102	80	120			
Sur: 4-Brom	ofluorobenzene	21		20.00		106	69.4	129		- a 4 - 1	10-
Sample ID:	1304B01-023AMSD	SampT	ype: MS	SD	TestCode: EPA Method 8021B: Volatiles						
Client ID:	MW-6				RunNo: 10280						
Prep Date:		Analysis Date: 5/2/2013			SeqNo: 293198 Units: µg/L						
Analyte	a second second	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		20	1.0	20.00	0	101	80	120	1.24	20	
Toluene		20	1.0	20.00	0.3400	99.3	80	120	1.41	20	
Ethylbenzene		20	1.0	20.00	0	101	80	120	1.20	20	
Xylenes, Total		61	2.0	60.00	0	102	80	120	0.366	20	
	ofluorobenzene	22		20.00		108	69.4	129	0	0	

- **Qualifiers:**
 - * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
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- P Sample pH greater than 2
- **RL** Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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WO#: 1304B01

08-May-13

Client: Southwes Project: Largo CS	t Geoscier	ice								
Sample ID: 5ML RB	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBW	Batch	1D: R1	0320	F	RunNo: 1	0320				
Prep Date:	Analysis D)ate: 5/	3/2013	5	SeqNo: 2	94192	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Surr: 4-Bromofluorobenzene	20		20.00		101	69.4	129			
Sample ID: 100NG BTEX LCS	SampT	ype: LC	S	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: LCSW	Batch	n ID: R1	0320	F	RunNo: 1	0320				
Prep Date:	Analysis D)ate: 5/	3/2013	5	SeqNo: 2	94193	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		106	69.4	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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ENVIRONMENTAL ANALYSIS LABORATORY TEL:	Environmental Analysis Loborato 4901 Hawkins Albuquerque, NM 871 505-345-3975 FAX: 505-345-41 ebsite: www.hallenvironmental.c	as Sam	ble Log-In Check Lis
Client Name: Southwest Geoscience Work O	rder Number: 1304B01		RcptNo: 1
Received by/date Ashley Gallegos 4/26/2013	2 10:00:00 AM	A	
	2:11:04 PM	et 3	
Reviewed By: AT 04/29117	2.11.04 F M	stf	
hain of Custody			
1. Custody seals intact on sample bottles?	Yes	No	Not Present V
2. Is Chain of Custody complete?	Yes V	No i i	Not Present
3. How was the sample delivered?	Courier		
Log In			
4. Was an attempt made to cool the samples?	Yes 🗸	No	NA
5. Were all samples received at a temperature of >0° C	to 6.0°C Yes ✔	No	NA ()
6. Sample(s) in proper container(s)?	Yes 🗸	No	
7. Sufficient sample volume for indicated test(s)?	Yes 🗸	No	
8. Are samples (except VOA and ONG) properly preserve	ed? Yes 🗸	No	
9. Was preservative added to bottles?	Yes	No 🗸	NA
10.VOA vials have zero headspace?	Yes 🖌	No	No VOA Vials
11. Were any sample containers received broken?	Yes	No 🔽	# of preserved bottles checked
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗸	No	for pH: (<2 or >12 unless r
13. Are matrices correctly identified on Chain of Custody?	Yes 🗸	No	Adjusted?
14. Is it clear what analyses were requested?	Yes ✓	No	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗸	No † ‡	Checked by:
(in no, notify customer for authorization.)			
Special Handling (if applicable)			
16. Was client notified of all discrepancies with this order?	Yes	No i i	NA 🖍
Person Notified: By Whom:	Date: Via: eMail P	hone Fax	in Person
Regarding: Client Instructions:	antali Canta gegenatura a certana da serena da se		
17. Additional remarks:	÷.		
18. Cooler Information		0	
Cooler No Temp °C Condition Seal Intact	Seal No Seal Date	Signed By	

	and a sublem	101 A	14											- A Tables - A faith			CHAIN OF CUSTODY RECO
Env Office Proje Sample	C Manager's Name	uth osc m <u>Azte</u> ger <u>K</u>	El E eolog (c;)	EN gic Co VM	CE Address: _A 901 Hau Contact: Contact: Phone: PO/SO #: Sampler's Sign	Ibey, Kins	NE	~			100	Analy	SIS				Lab use only Due Date: Temp. of coolers when received (C°): 1 2 3 4 Pageof3
A	aron t	Bentley	Proie	oct Na	IIIIIII Ime	her	may	No/Ti	me of C	ontaine	-	1			/ /	11	
	0002		i ioje	La	av CS		1	NOTY	pe or o	ontaine	15	1	5//	1			
Matrix	Date	Time	CoEn	Grab	dentifying Marks of Sample(s)	Start	End Depth	VOA	A/G 1 Lt.	250 ml	P/0	Hat	Xall	[]			Lab Sample ID (Lab Use Only)
N	4/23/13	0830		1	MW-40R			5				11					1304801-001
1	2	0905		-	MW-50			1									-002
		1020		1	MW-51												-003
		1050		-	MW-41			-									-004
		1210		1	- MW-43												-005
		1320			MW-32												-004
		1250		/	MW-75												-007
		1350		1	MW-34												-008
		1420		1	MW-39												-009
V	V	1450		/	MW-52			V			X						-010
eling eling	uished by uished by	(Signature) (Signature) (Signature) (Signature) (Signature)	-	24	Date: Time: Receiver 1/34/13 1816 / M Pate: Time: Receiver 25/13 1750 / M Date: Time: Receiver Date: Time: Receiver	ved by: ved by: ved by: ved by:	(Signa (Signa Signa	ture)	le. (24/2	Date: 24/13 Date: 10/13 Date: Date:	18	ime:	IOTES:			

					1					1.16				5.6			CHAIN OF CUSTODY RECORD
		.1						Eren (.]		-10		(T. 1977)	ALYSIS	/	Lab use only Due Date:
C	\mathbf{COL}	Jth	W	'e	St	L	aboratory	HA	L				-	RE	QUESTER	"/	
~	JGE	osc	IE	N	CE		Address:			lis	NE						Temp. of coolers 2.7
Env	ironmental	& Hydrog	eologic	; Cor	nsultants	5	Albert								1		Image: Control of the content of t
Office	Locatio	Azh	u. h	M		C	Contact:		incere in cer						/	1	
					4		hone:								/	1	/ / / / / Page_2_of_3
Proje	ct Manac	jer <u>K</u>	Sum	me	rs	_ F	0/SO #:_								/		
	er's Name					5	Sampler's Sig	gnature									
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.04	KOZ		4	ang	40 (CS			1 -		T	-		to	REA H	/ /	
Matrix	Date	Time	CoEp	Grab	Identifyin	ig Mark	ks of Sample(s	Start (End	VOA	A/G 1LL	250 mi	P/0	t	19/	/	Lab Sample ID (Lab Use Only)
W	4/23/13	1540.40		1	MW	1-49	7			5				1			1304B01-011
1	1	1605		1	MW	1-48	3			1							-0/2
		1640		1	Mw-	e en service								Ι			- 013
1		1700			MW									Π			-014
	V	1735		1	MW												-015
	4/24/13			-	MW-												-016
		0850			MW-												-067
		0930		1	MW												-018
		1005		1	Mu-	1000											-019
V	V	1045		1	Mw-		1000			N				L	1		-020
Turn ar	ound time	Dillon	mal		5% Rush		50% Rush	100%	and the set finition:	1	1			-			
	uished by (Date:		ime: Rec	eived b	: (Signa	ature)	1.	4	Pate:		Time:	NOT	TES:
Beling	uished by (Signature)		D	Date:	i Ti	ime: Rec	eived by	(Signa	ature)	100	Ha	Hate:	1	1000		
ha.	tint	Jaster	S		25 13 Date:		ime: Rec	X	: (Signa	(outle	00	124	113 Date:	5	Time:		8
Heind	uished by (Signature)			ale:		ine: riec	BIVED D	Signa	ature)		'	Dale:		Time:		
Relinq	uished by (Signature)	č	D	Date:	Т	ime: Rec	eived by	r: (Signa	ature)	Artice of the second		Date:	1	Time:		
Matrix Contain		/ - Wastewat A - 40 ml via			V - Water	S S	- Soil SD - Glass 1 Liter	Solid	L - Liqui 250 ml	id /	A - Air B	lag			coal tube stic or other	SL - s	sludge O - Oil

																			. (CHA	IN O	FC	USTODY RECORI
Office	ironmenta Locatio	OSC I & Hydros nAz gerK.	Elle geolog tec, Sur	EN gic co	Y CE	Laborato Address: Contact: Phone: PO/SO # Sampler's	4901 Albry	Have						LYSIS									Lab use only Due Date: Temp. of coolers when received (C°): / - (1 2 3 4 5 Page 3 of 3
Sampi	ers Name	p	11			Sampiers	Signature	110	*	÷						1	/ /	/	/	/ /	/		
Proj. N	Anon o. 10002	12ml	Proje	ect Na	Identifying W	go CS per Qu	aran	Bei	Nort	ype of C	Containe	ers	Tok	1.	//			/ /	//	//			
Matrix	Date	Time	CoE	Gra	Identifying N	larks of Samp		2 de	VOA	A/G	250 ml	P/0	Ŋ	STEL		/ /		/	/	/	Lat	b Sar	mple ID (Lab Use Only)
w	4/24/13	1120	<u>р</u>	-	MW-7	2			5			-	1	1	\square	f	-	-	$(\neg$	1=			301-021
1	1	1155		-	MW-1				1						-								-022
		1230		-	MW																		7023
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Matrix Contain		V - Wastewa A - 40 ml viz		1	W - Water A/G - Amber /	S - Soil SD Or Glass 1 Lite	- Solid	L - Liqui 250 mi -	d A Glass	- Air Ba wide mo	ag	C - 1	Charco	al tube ic or othe	SL - s	ludge	0.	Oil					

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquergue, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

May 13, 2013

Kyle Summers

Southwest Geoscience 606 S. Rio Grande Unit A Aztec, NM 87410 TEL: (903) 821-5603 FAX: (214) 350-2914

RE: Largo CS

OrderNo.: 1305154

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/4/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1305154 Date Reported: 5/13/2013

CLIENT: Southwest Geoscience

Project: Largo CS Lab ID: 1305154-001

Client Sample ID: MW-53 Collection Date: 5/3/2013 8:55:13 AM

Received Date: 5/4/2013 12:00:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	3E			a.	Analyst: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/9/2013 2:25:06 PM
Sur: DNOP	127	75.4-146	%REC	1	5/9/2013 2:25:06 PM
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	5/7/2013 1:33:45 AM
Surr: BFB	92.3	51.5-151	%REC	1	5/7/2013 1:33:45 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	5/7/2013 1:33:45 AM
Toluene	ND	1.0	µg/L	1	5/7/2013 1:33:45 AM
Ethylbenzene	ND	1.0	µg/L	1	5/7/2013 1:33:45 AM
Xylenes, Total	ND	2.0	µg/L	1	5/7/2013 1:33:45 AM
Surr: 4-Bromofluorobenzene	100	69.4-129	%REC	1	5/7/2013 1:33:45 AM

Matrix: AQUEOUS

Qualifiers:

*

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E

Analyte detected below quantitation limits J

P Sample pH greater than 2

RL Reporting Detection Limit

- Analyte detected in the associated Method Blank в
- Holding times for preparation or analysis exceeded н

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits S

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1305154 Date Reported: 5/13/2013

CLIENT: S	Southwest	Geoscience
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Project: Largo CS Lab ID: 1305154-002

Client Sample ID: MW-54 Collection Date: 5/3/2013 9:45:00 AM

Received Date: 5/4/2013 12:00:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	E				Analyst: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/9/2013 2:52:53 PM
Sur: DNOP	122	75.4-146	%REC	1	5/9/2013 2:52:53 PM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	5/7/2013 3:04:14 AM
Surr: BFB	92.1	51.5-151	%REC	1	5/7/2013 3:04:14 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	5/7/2013 3:04:14 AM
Toluene	ND	1.0	µg/L	1	5/7/2013 3:04:14 AM
Ethylbenzene	ND	1.0	µg/L	1	5/7/2013 3:04:14 AM
Xylenes, Total	ND	2.0	µg/L	1	5/7/2013 3:04:14 AM
Surr: 4-Bromofluorobenzene	102	69.4-129	%REC	1	5/7/2013 3:04:14 AM

Matrix: AQUEOUS

Qualifiers:

*

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range Ε

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits S

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1305154 Date Reported: 5/13/2013

CLIENT: Southwest Geoscience

Project: Largo CS Lab ID: 1305154-003

Client Sample ID: MW-55 Collection Date: 5/3/2013 10:40:00 AM

Received Date: 5/4/2013 12:00:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG)E				Analyst: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	5/9/2013 3:20:28 PM
Surr: DNOP	126	75.4-146	%REC	1	5/9/2013 3:20:28 PM
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	1.3	0.050	mg/L	1	5/7/2013 3:34:36 AM
Surr: BFB	99.0	51.5-151	%REC	1	5/7/2013 3:34:36 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	5/7/2013 3:34:36 AM
Toluene	ND	1.0	µg/L	1	5/7/2013 3:34:36 AM
Ethylbenzene	13	1.0	µg/L	1	5/7/2013 3:34:36 AM
Xylenes, Total	710	20	µg/L	10	5/7/2013 1:06:29 PM
Surr: 4-Bromofluorobenzene	110	69.4-129	%REC	1	5/7/2013 3:34:36 AM

Matrix: AQUEOUS

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

Sample pH greater than 2 P

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits S

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1305154

13-May-13

Client: Southy Project: Largo	west Geoscience CS								
Sample ID: MB-7293	SampType: MBL	.K	Test	Code: EP	A Method	8015D: Diesel	Range		
Client ID: PBW	Batch ID: 7293		R	unNo: 10	338				
Prep Date: 5/6/2013	Analysis Date: 5/7/	2013	S	eqNo: 29	5280	Units: mg/L			
Analyte	Result PQL	SPK value SF	PK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 1.0								
Surr: DNOP	1.9	2.000		96.8	75.4	146			
Sample ID: LCS-7293	SampType: LCS		Test	Code: EP	A Method	8015D: Diese	Range		
Client ID: LCSW	Batch ID: 7293	5	R	unNo: 10	338				
Prep Date: 5/6/2013	Analysis Date: 5/7/	2013	s	eqNo: 29	5287	Units: mg/L			
Analyte	Result PQL	SPK value SI	PK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.7 1.0	5.000	0	113	89.1	151			
Surr: DNOP	0.53	0.5000		106	75.4	146			
Sample ID: LCSD-7293	SampType: LCS	D	Test	Code: EP	A Method	8015D: Diese	Range	10000	
Client ID: LCSS02	Batch ID: 7293	3	R	unNo: 10	338				
Prep Date: 5/6/2013	Analysis Date: 5/7/	2013	s	eqNo: 29	5289	Units: mg/L			
Analyte	Result PQL	SPK value SI	PK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.5 1.0	5.000	0	111	89.1	151	2.44	20	
Surr: DNOP	0.51	0.5000		101	75.4	146	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- **RL** Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1305154

13-May-13

Client: Project:	Southwest Largo CS	t Geoscier	ce								
Sample ID: 5	WL RB	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	ine Rang	e	
Client ID: PI	BW	Batch	ID: R1	0327	F	RunNo: 1	0327				
Prep Date:		Analysis D	ate: 5/	6/2013	5	SeqNo: 2	94734	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	ND	0.050		er itt ter ter	707120	Longard	. ng na na	7010 0		
Surr: BFB		18		20.00		91.5	51.5	151	-	1.83 5	
Sample ID: 2.	5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	0	
Client ID: LO	csw	Batch	ID: R1	0327	F	RunNo: 1	0327				
Prep Date:		Analysis D	ate: 5/	6/2013	5	SeqNo: 2	94737	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	0.55	0.050	0.5000	0	110	73.2	124			
Sur: BFB		20		20.00		101	51.5	151			
Sample ID: 13	305154-001AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: M			ID: R1			RunNo: 1					
Prep Date:		Analysis D				SegNo: 2		Units: mg/L			
					SPK Ref Val				%RPD	RPDLimit	Quel
Analyte Gasoline Range C	manics (GRO)	Result 0.51	PQL 0.050	0.5000	OFR Rei Val	%REC 103	LowLimit 65.2	HighLimit 137	%RPD	RPDLimit	Qual
Surr: BFB	, games (a.r.s)	20		20.00		100	51.5	151			
Sample ID: 13	305154-001AMSD) SampT	ype: MS	sD.	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	0	
Client ID: M		er and a second second	ID: R1			RunNo: 1					
Prep Date:		Analysis D				SegNo: 2		Units: mg/L			
								-	**	RPDLimit	~
Analyte		Result	PQL	SPK value			LowLimit	HighLimit	%RPD	RPDI imit	Qual
and the second se	manics (GRO)								0.00	and the second second	
	Organics (GRO)	0.52	0.050	0.5000 20.00	0	104 100	65.2 51.5	137 151	1.39 0	20 0	
Gasoline Range C Surr: BFB		0.52 20	0.050	0.5000 20.00	0	104 100	65.2 51.5	137 151	1.39 0	20 0	
Gasoline Range C Surr: BFB Sample ID: 51	ML RB	0.52 20 SampT	0.050 ype: ME	0.5000 20.00	0 Tes	104 100 tCode: El	65.2 51.5 PA Method	137	1.39 0	20 0	
Gasoline Range C Surr: BFB Sample ID: 51 Client ID: P	ML RB	0.52 20 SampT Batch	0.050 ype: ME 1D: R1	0.5000 20.00 BLK 0452	0 Tes F	104 100 tCode: El RunNo: 10	65.2 51.5 PA Method 0452	137 151 8015D: Gaso	1.39 0 line Rang	20 0	
Gasoline Range C Surr: BFB Sample ID: 51 Client ID: P Prep Date:	ML RB	0.52 20 SampT Batch Analysis D	0.050 ype: ME 1D: R1 pate: 5/	0.5000 20.00 BLK 0452 7/2013	0 Tes F S	104 100 tCode: El RunNo: 1 SeqNo: 2	65.2 51.5 PA Method 0452 95757	137 151 8015D: Gaso Units: %REC	1.39 0 line Rang	20 0	
Gasoline Range C Surr: BFB Sample ID: 51 Client ID: P Prep Date: Analyte	ML RB	0.52 20 SampT Batch Analysis D Result	0.050 ype: ME 1D: R1	0.5000 20.00 3LK 0452 7/2013 SPK value	0 Tes F	104 100 ttCode: El RunNo: 10 SeqNo: 2 %REC	65.2 51.5 PA Method 0452 95757 LowLimit	137 151 8015D: Gaso Units: %REC HighLimit	1.39 0 line Rang	20 0	Qual
Gasoline Range C Surr: BFB Sample ID: 51 Client ID: P Prep Date:	ML RB	0.52 20 SampT Batch Analysis D	0.050 ype: ME 1D: R1 vate: 5/	0.5000 20.00 BLK 0452 7/2013	0 Tes F S	104 100 tCode: El RunNo: 1 SeqNo: 2	65.2 51.5 PA Method 0452 95757	137 151 8015D: Gaso Units: %REC	1.39 0 line Rang	20 0	
Gasoline Range C Surr: BFB Sample ID: 51 Client ID: P Prep Date: Analyte Surr: BFB	ML RB	0.52 20 SampT Batch Analysis D Result 18	0.050 ype: ME 1D: R1 vate: 5/	0.5000 20.00 3LK 0452 7/2013 SPK value 20.00	0 Tes F SPK Ref Val	104 100 tCode: El RunNo: 10 SeqNo: 2: %REC 91.2	65.2 51.5 PA Method 0452 95757 LowLimit 51.5	137 151 8015D: Gaso Units: %REC HighLimit	1.39 0 line Rang %RPD	20 0 e RPDLimit	
Gasoline Range C Surr: BFB Sample ID: 51 Client ID: P Prep Date: Analyte Surr: BFB	ML RB BW 5UG GRO LCS	0.52 20 SampT Batch Analysis D Result 18 SampT	0.050 ype: ME 1D: R1 wate: 5/ PQL	0.5000 20.00 3LK 0452 7/2013 SPK value 20.00	0 Tes F SPK Ref Val Tes	104 100 tCode: El RunNo: 10 SeqNo: 2: %REC 91.2	65.2 51.5 PA Method 0452 95757 LowLimit 51.5 PA Method	137 151 8015D: Gaso Units: %REC HighLimit 151	1.39 0 line Rang %RPD	20 0 e RPDLimit	
Gasoline Range C Surr: BFB Sample ID: 51 Client ID: Pl Prep Date: Analyte Surr: BFB Sample ID: 2.	ML RB BW 5UG GRO LCS	0.52 20 SampT Batch Analysis D Result 18 SampT	0.050 ype: ME 1D: R1 ate: 5/ PQL ype: LC 1D: R1	0.5000 20.00 3LK 0452 7/2013 SPK value 20.00 S 0452	0 Tes F SPK Ref Val Tes F	104 100 tCode: El RunNo: 10 SeqNo: 2 %REC 91.2 tCode: El	65.2 51.5 PA Method 0452 95757 LowLimit 51.5 PA Method 0452	137 151 8015D: Gaso Units: %REC HighLimit 151	1.39 0 line Rang %RPD line Rang	20 0 e RPDLimit	

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Ε Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH greater than 2
- **Reporting Detection Limit** RL

- Analyte detected in the associated Method Blank в
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- R
- Spike Recovery outside accepted recovery limits S

Page 5 of 6

RPD outside accepted recovery limits

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

1

WO#: 1305154

13-May-13

Client: Southwes Project: Largo CS	t Geoscien	ice								
Sample ID: 5ML RB	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: PBW	Batch	ID: R1	0327	F	RunNo: 1	0327				
Prep Date:	Analysis D	ate: 5/	6/2013	5	SeqNo: 2	94813	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Kylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	20		20.00		102	69.4	129		1000	
Sample ID: 100NG BTEX LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: LCSW	Batch	D: R1	0327	F	RunNo: 1	0327				
Prep Date:	Analysis D	ate: 5/	6/2013	5	SeqNo: 2	94818	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	103	80	120)
Toluene	20	1.0	20.00	0	102	80	120			
Ethylbenzene	20	1.0	20.00	0	102	80	120			
Xylenes, Total	62	2.0	60.00	0	103	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		105	69.4	129		La	
Sample ID: 5ML RB	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles	1000	
Client ID: PBW	Batch	ID: R1	0452	F	RunNo: 1	0452				
Prep Date:	Analysis D		C. STOR		SeqNo: 2		Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	ND	2.0								a stand
Surr: 4-Bromofluorobenzene	20		20.00		99.6	69.4	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- **RL** Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Page 6 of 6

ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-34	mental Analys 4901 Albuquerqu 5-3975 FAX: 3 www.hallenviro	Hawkins e, NM 87 05-345-4	NE 105 Samp	ole Log-In Check List
Client Name: Southwest Geoscience Work Order Nu	mber: 13051	54		RcptNo: 1
Received by/date: AF 05/04/13				
Logged By: Michelle Garcia 5/4/2013 12:00:0	0 PM		Minul Gan	un
Completed By: Michelle Garcia 5/6/2013 8:57:43 Reviewed By:	AM 3		Michaels Gan Michaels Gan	uio
Chain of Custody				
1. Custody seals intact on sample bottles?	Yes		No 🗆	Not Present
2. Is Chain of Custody complete?	Yes		No 🗆	Not Present
3. How was the sample delivered?	Cour	ier		
<u>Log In</u>				
4. Was an attempt made to cool the samples?	Yes		No 🗆	NA 🗍
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes	V	No 🗌	
6. Sample(s) in proper container(s)?	Yes		No 🗆	
7. Sufficient sample volume for indicated test(s)?	Yes		No 🗆	
8. Are samples (except VOA and ONG) properly preserved?	Yes	\checkmark	No 🗆	
9. Was preservative added to bottles?	Yes		No 🗹	NA 🗆
10.VOA vials have zero headspace?	Yes	\checkmark	No 🗆	No VOA Vials
11. Were any sample containers received broken?	Yes		No 🗹 🛛	Astronomical
12.Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes		No 🗆	# of preserved bottles checked for pH: (<2 or >12 unless note
13. Are matrices correctly identified on Chain of Custody?	Yes	~		Adjusted?
14, Is it clear what analyses were requested?			No 🗆	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes	V	No 🗆 🛛	Checked by:
Special Handling (If applicable)				
16. Was client notified of all discrepancies with this order?	Yes			NA 🗹
	eate: lia: 🗌 eMa	ill 🗌 P	hone 🗌 Fax	
17. Additional remarks: 18. <u>Cooler Information</u> <u>Cooler No Temp *C</u> Condition Seal Intact Seal N	lo Seal Di	ite	Signed By	unardinan di sena da serie ante da serie ante da da da serie da serie da serie da serie da serie da serie da s
1 3.5 Good Yes				

																					С	HAIN C	F C	USTODY RECOR
Enviro Office L Project	GE onmenta .ocatio Manag	$\frac{\text{uth}}{\text{solution}}$	te ieolo te	EN ogic C t mc	NCE Consultar		Laborat Address Contac Phone: PO/SO Sampler	:: <u>A</u>	ndy 1410	Fre	en	na r	÷ t			ALYSIS QUESTE	6415							Lab use only Due Date: Temp. of coolers when received (C°): 3 /2 1 2 3 4 5 Pageof
V	1600				lame 790	Ci	5				No/Ty	/pe of C	Contain	ners	Brev	20					/	/		
	Date	Time	COEP	Grab	Identify	ying Mai	rks of San	nple(s)	Start Depth	End Depth	VOA	A/G 1LL	250 ml	P/O	Q	Ŕ	[]	1	[]		1			ample ID (Lab Use Only)
N S	13/13	0855		X	M	W-	23				5				X	X						130	51	54-001
1	1	0945			m	W	-54	/							1									-002
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um arou	ınd time	Nor	mal		25% Rus	sh C) 50% Ru	sh C	100%	Rush		<u> </u>			/		_	-						
leijnouis	shed by	(Signature)			P/29/12 Date 5/3/17	1 13	Time:	Receiv	ved by:	ich	Jae	le	5	Date Date Date	3	Time: 1330 Time: /2/40		res: 3,5	->C					
	-	(Signature)		-	Date:		Time:	Heceiv	ved by:	Signa	ture)		T	Date		Time:								
Relinquis	hed by	(Signature)		-	Date:	1 7	Time:	Receiv	ved by:	(Signa	ture)		-	Date	:	Time:								
Aatrix Container		N - Wastewat		-	W - Wat	er 5 mber/0	S - Soil Ir Glass 1	SD - So Liter	lid L	Liqui 250 ml -	d A Glass	- Air B wide m	ag outh			coal tube		sludge	0	- Oil				



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

November 04, 2013

Kyle Summers Southwest Geoscience 606 S. Rio Grande Unit A Aztec, NM 87410 TEL: (903) 821-5603 FAX (214) 350-2914

RE: Largo Compressor Station

OrderNo.: 1310D53

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 28 sample(s) on 10/29/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andial

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Southwest Geoscience		Client Sample ID: MW-14							
Project:	Largo Compressor Station			Collection	Date: 10/25/20	013 8:20:00 AM				
Lab ID:	1310D53-001	Matrix:	AQUEOU	S Received	Date: 10/29/20	013 10:00:00 AM				
Analyses		Result	RL	Qual Units	DF Date	e Analyzed	Batch			
EPA ME	THOD 8015D: DIESEL RANGE					Analyst:	JME			
Diesel R	Range Organics (DRO)	ND	1.0	mg/L	1 10/3	0/2013 8:09:11 PM	10098			
Surr:	DNOP	127	70.1-140	%REC	1 10/3	0/2013 8:09:11 PM	10098			
EPA ME	THOD 8015D: GASOLINE RAN	GE				Analyst:	NSB			
Gasoline	e Range Organics (GRO)	ND	0.050	mg/L	1 10/3	0/2013 11:15:07 PM	AR14466			
Surr:	BFB	97.1	51.5-151	%REC	1 10/3	0/2013 11:15:07 PM	AR14466			
EPA ME	THOD 8021B: VOLATILES					Analyst:	NSB			

EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	10/30/2013 11:15:07 PM R14466
Toluene	ND	1.0	µg/L	1	10/30/2013 11:15:07 PM R14466
Ethylbenzene	ND	1.0	µg/L	1	10/30/2013 11:15:07 PM R14466
Xylenes, Total	ND	2.0	µg/L	1	10/30/2013 11:15:07 PM R14466
Surr: 4-Bromofluorobenzene	116	85-136	%REC	1	10/30/2013 11:15:07 PM R14466

Qualifiers:		Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method	i Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysis	exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Sample pH greater than 2 for VOA and To	OC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

anatama Tara

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Southwest Geoscience	Client Sample ID: MW-76						
Project:	Largo Compressor Station				Collection	Date: 10/25/2013 9:30:00 AM	4	
Lab ID: 1310D53-002		Matrix:	AQUEOUS		Received	Date: 10/29/2013 10:00:00 A	М	
Analyses		Result	RL (Qual	Units	DF Date Analyzed	Batch	

EPA METHOD 8015D: DIESEL RANGE					Analyst: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/30/2013 8:31:24 PM 10098
Surr: DNOP	128	70.1-140	%REC	1	10/30/2013 8:31:24 PM 10098
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/30/2013 11:43:42 PM R14466
Surr: BFB	98.8	51.5-151	%REC	1	10/30/2013 11:43:42 PM R14466
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	10/30/2013 11:43:42 PM R14466
Toluene	ND	1.0	µg/L	1	10/30/2013 11:43:42 PM R14466
Ethylbenzene	ND	1.0	µg/L	1	10/30/2013 11:43:42 PM R14466
Xylenes, Total	ND	2.0	µg/L	1	10/30/2013 11:43:42 PM R14466
Surr: 4-Bromofluorobenzene	119	85-136	%REC	1	10/30/2013 11:43:42 PM R14466

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	E	Value above quantitation range	н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 35
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and 7	FOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL Oua	Units	DF Date Analyzed	Batch
Lab ID:	1310D53-003	Matrix:	AQUEOUS	Received	Date: 10/29/2013 10:00:00 A	M
Project:	Largo Compressor Station			Collection	Date: 10/25/2013 9:35:00 Al	м
CLIENT:	Southwest Geoscience		,	Client Samp	ole ID: MW-13	

rinary ses	Ittouit	NL Q	tai Onito	DI	Date Milalyzeu	Daten
EPA METHOD 8015D: DIESEL RAN	GE				Analy	st: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/30/2013 8:53:39 F	M 10098
Surr: DNOP	131	70.1-140	%REC	1	10/30/2013 8:53:39 F	M 10098
EPA METHOD 8015D: GASOLINE R	ANGE				Analy	st: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 12:12:17	AM R14466
Surr: BFB	93.5	51.5-151	%REC	1	10/31/2013 12:12:17	AM R14466
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 12:12:17	AM R14466
Toluene	ND	1.0	µg/L	1	10/31/2013 12:12:17	AM R14466
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 12:12:17	AM R14466
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 12:12:17	AM R14466
Surr: 4-Bromofluorobenzene	110	85-136	%REC	1	10/31/2013 12:12:17	AM R14466

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
	E	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 3 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 3 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL	Qual	Units	DF Date Analyzed	Batch
Lab ID: 1310D53-004		Matrix:	AQUEOU	IS	Received	Date: 10/29/2013 10:00:00 A	М
Project:	Largo Compressor Station				Collection	Date: 10/25/2013 9:45:00 AM	1
CLIENT:	Southwest Geoscience			C	lient Samp	le ID: MW-34	

EPA METHOD 8015D: DIESEL RANGI	E				Analyst: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/30/2013 9:15:47 PM 10098
Surr: DNOP	129	70.1-140	%REC	1	10/30/2013 9:15:47 PM 10098
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 12:40:48 AM R14466
Surr: BFB	99.1	51.5-151	%REC	1	10/31/2013 12:40:48 AM R14466
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 12:40:48 AM R14466
Toluene	ND	1.0	µg/L	1	10/31/2013 12:40:48 AM R14466
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 12:40:48 AM R14466
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 12:40:48 AM R14466
Surr: 4-Bromofluorobenzene	119	85-136	%REC	1	10/31/2013 12:40:48 AM R14466

Qualifiers:		Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
	E	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 4 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 4 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

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CLIENT: Southwest Geoscience **Client Sample ID: MW-36** Largo Compressor Station **Project:** Collection Date: 10/25/2013 10:40:00 AM Lab ID: 1310D53-005 Matrix: AQUEOUS Received Date: 10/29/2013 10:00:00 AM --

Analyses	Result	RL Q	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RAN	GE				Analyst	JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/30/2013 9:38:02 PM	10098
Surr: DNOP	136	70.1-140	%REC	1	10/30/2013 9:38:02 PM	10098
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 1:09:23 AM	R14466
Surr: BFB	98.7	51.5-151	%REC	1	10/31/2013 1:09:23 AM	R14466
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 1:09:23 AM	R14466
Toluene	ND	1.0	µg/L	1	10/31/2013 1:09:23 AM	R14466
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 1:09:23 AM	R14466
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 1:09:23 AM	R14466
Surr: 4-Bromofluorobenzene	117	85-136	%REC	1	10/31/2013 1:09:23 AM	R14466

Les trans Les The				A REAL PROPERTY OF THE AND A REAL PROPERTY OF THE ADDRESS OF THE A	
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
	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 Page 5 of	135
	0	RSD is greater than RSDlimit	P	Not Detected at the Reporting Limit Page 5 of Sample pH greater than 2 for VOA and TOC only.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015D: GASOLINE RANGE

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Lab Order 1310D53 Date Reported: 11/4/2013

Analyst: NSB

Analyst: NSB

10/31/2013 1:37:54 AM R14466

CLIENT:	Southwest Geoscience		(lient Samp	le ID: M	W-49	
Project:	Largo Compressor Station			Collection	Date: 10	/25/2013 12:05:00 P	M
Lab ID:	1310D53-006	Matrix:	AQUEOUS	Received Date: 10/29/2013 10:00:00		/29/2013 10:00:00 A	AM
Analyses		Result	RL Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 8015D: DIESEL RANGE					Anal	yst: JME
Diesel R	ange Organics (DRO)	ND	1.0	mg/L	1	10/30/2013 10:00:12	PM 10098
Surr: I	DNOP	112	70.1-140	%REC	1	10/30/2013 10:00:12	PM 10098

0.050

1.0

1.0

1.0

2.0

85-136

51.5-151

mg/L

µg/L

µg/L

µg/L

µg/L

%REC

%REC

1

1

1

1

1

1

1

ND

96.8

ND

ND

ND

ND

115

Qualifiers:		Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 6 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 6 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 Southwest Geoscience
 Client Sample ID: MW-83

 Project:
 Largo Compressor Station
 Collection Date: 10/25/2013 1:20:00 PM

 Lab ID:
 1310D53-007
 Matrix: AQUEOUS
 Received Date: 10/29/2013 10:00:00 AM

 Analyses
 Result
 RL Qual
 Units
 DF Date Analyzed
 Batch

	and the second second second		And a second second second	4200-00	
EPA METHOD 8015D: DIESEL RANG	E				Analyst: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/30/2013 10:22:25 PM 10098
Surr: DNOP	115	70.1-140	%REC	1	10/30/2013 10:22:25 PM 10098
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 2:06:23 AM R14466
Surr: BFB	100	51.5-151	%REC	1	10/31/2013 2:06:23 AM R14466
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 2:06:23 AM R14466
Toluene	ND	1.0	µg/L	1	10/31/2013 2:06:23 AM R14466
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 2:06:23 AM R14466
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 2:06:23 AM R14466
Surr: 4-Bromofluorobenzene	122	85-136	%REC	1	10/31/2013 2:06:23 AM R14466

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Meth	od Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysi	is exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 7 of 34
	0	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and	TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL	Qual Units	DF Date Analyzed	Batch
Lab ID:	1310D53-008	Matrix:	AQUEOU	S Received	Date: 10/29/2013 10:00:00 /	AM
Project:	Largo Compressor Station			Collection	Date: 10/25/2013 3:00:00 PI	M
CLIENT:	Southwest Geoscience			Client Samp	ble ID: MW-7	

	A CONTRACT OF A		A COMPLETE OF A	11.4.2.1	
EPA METHOD 8015D: DIESEL RANG	E				Analyst: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/30/2013 10:44:26 PM 10098
Surr: DNOP	112	70.1-140	%REC	1	10/30/2013 10:44:26 PM 10098
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	0.19	0.050	mg/L	1	10/31/2013 2:34:52 AM R14466
Surr: BFB	98.9	51.5-151	%REC	1	10/31/2013 2:34:52 AM R14466
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	45	1.0	µg/L	1	10/31/2013 2:34:52 AM R14466
Toluene	ND	1.0	µg/L	1	10/31/2013 2:34:52 AM R14466
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 2:34:52 AM R14466
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 2:34:52 AM R14466
Surr: 4-Bromofluorobenzene	118	85-136	%REC	1	10/31/2013 2:34:52 AM R14466

Qualifiers:	ifiers: * Value exceeds Maximum Contaminant Level. B Analyte detected in the associated		Analyte detected in the associated Meth	od Blank	
	Ε	Value above quantitation range	н	Holding times for preparation or analys	is exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 8 of 35
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and	TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1310D53 Date Reported: 11/4/2013

CLIENT: Southwest Geoscience Project: Largo Compressor Station		Client Sample ID: MW-32 Collection Date: 10/24/2013 9:25:00 AM							
Lab ID: 1310D53-009	Matrix:	AQUEOUS	Received Date: 10/29/2013 10:00:00 AM						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch			
EPA METHOD 8015D: DIESEL RANGE					Analy	st: JME			
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/30/2013 11:06:44	PM 10098			
Surr: DNOP	116	70.1-140	%REC	1	10/30/2013 11:06:44	PM 10098			
EPA METHOD 8015D: GASOLINE RAM	IGE				Analy	st: NSB			
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/30/2013 9:37:21 F	PM R14452			
Surr: BFB	94.9	51.5-151	%REC	1	10/30/2013 9:37:21 F	PM R14452			
EPA METHOD 8021B: VOLATILES					Analy	st: NSB			
Benzene	ND	1.0	µg/L	1	10/30/2013 9:37:21 F	PM R14452			
Toluene	ND	1.0	µg/L	1	10/30/2013 9:37:21 F	PM R14452			
Ethylbenzene	ND	1.0	µg/L	1	10/30/2013 9:37:21 F	PM R14452			
Xylenes, Total	ND	2.0	µg/L	1	10/30/2013 9:37:21 F	PM R14452			
Surr: 4-Bromofluorobenzene	101	85-136	%REC	1	10/30/2013 9:37:21 F	PM R14452			

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 9 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 9 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Xylenes, Total

Surr: 4-Bromofluorobenzene

Lab Order 1310D53 Date Reported: 11/4/2013

10/30/2013 11:08:19 PM R14452

10/30/2013 11:08:19 PM R14452

CLIENT: Southwest Geoscience		Client Sample ID: MW-8							
Project: Largo Compressor Station			Collection 1	Date: 10	/24/2013 10:25:00 A	AM			
Lab ID: 1310D53-010	Matrix:	AQUEOUS	Received 1	Date: 10	/29/2013 10:00:00 A	M			
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch			
EPA METHOD 8015D: DIESEL RANGE					Anal	yst: JME			
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/30/2013 11:28:42	PM 10098			
Surr: DNOP	117	70.1-140	%REC	1	10/30/2013 11:28:42	PM 10098			
EPA METHOD 8015D: GASOLINE RAN	IGE				Anal	yst: NSB			
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/30/2013 11:08:19	PM R14452			
Surr: BFB	97.0	51.5-151	%REC	1	10/30/2013 11:08:19	PM R14452			
EPA METHOD 8021B: VOLATILES					Anal	yst: NSB			
Benzene	ND	1.0	µg/L	1	10/30/2013 11:08:19	PM R14452			
Toluene	ND	1.0	µg/L	1	10/30/2013 11:08:19	PM R14452			
Ethylbenzene	ND	1.0	µg/L	1	10/30/2013 11:08:19	PM R14452			

2.0

85-136

µg/L

%REC

1

1

ND

105

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 10 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 10 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL	Qual	Units	DF Date Analyzed	Batch
Lab ID:	1310D53-011	Matrix:	AQUEOUS	S	Received	Date: 10/29/2013 10:00:00 A	M
Project:	Largo Compressor Station			(Collection	Date: 10/24/2013 12:35:00 P	Μ
CLIENT:	Southwest Geoscience			Cl	ient Samp	ole ID: MW-54	

EPA METHOD 8015D: DIESEL RANGE					Analyst: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/31/2013 12:12:44 AM 10079
Surr: DNOP	115	70.1-140	%REC	1	10/31/2013 12:12:44 AM 10079
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 12:39:02 AM R14452
Surr: BFB	95.0	51.5-151	%REC	1	10/31/2013 12:39:02 AM R14452
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 12:39:02 AM R14452
Toluene	ND	1.0	µg/L	1	10/31/2013 12:39:02 AM R14452
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 12:39:02 AM R14452
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 12:39:02 AM R14452
Surr: 4-Bromofluorobenzene	103	85-136	%REC	1	10/31/2013 12:39:02 AM R14452

Qualifiers: * Value exceeds Maximum Contaminant Level.		В	Analyte detected in the associated Method Blank	
	Ε	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 11 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 11 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

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Analyses		Result	RL O	al Units	DF Date Analyzed	Batch
Lab ID:	1310D53-012	Matrix:	AQUEOUS	Received	Date: 10/29/2013 10:00:00 A	AM
Project:	Largo Compressor Station			Collection	Date: 10/24/2013 1:40:00 PM	N
CLIENT:	Southwest Geoscience			Client Samp	le ID: MW-53	

Anaryses	Result	KL Qu	al Units	Dr	Date Analyzeu	Datth
EPA METHOD 8015D: DIESEL RAN	GE				Analys	t: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/31/2013 12:34:37 A	M 10079
Surr: DNOP	120	70.1-140	%REC	1	10/31/2013 12:34:37 A	M 10079
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 1:09:14 AM	A R14452
Surr: BFB	95.6	51.5-151	%REC	1	10/31/2013 1:09:14 AM	A R14452
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 1:09:14 AM	A R14452
Toluene	ND	1.0	µg/L	1	10/31/2013 1:09:14 AM	A R14452
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 1:09:14 Al	A R14452
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 1:09:14 AM	A R14452
Surr: 4-Bromofluorobenzene	103	85-136	%REC	1	10/31/2013 1:09:14 A	A R14452

Oualifiers :		Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
Qualifiers.	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 12 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 12 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Date Reported: 11/4/2013

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Analyses		Result	RL	Qual	Units	DF Date Analyzed	Batch
Lab ID:	1310D53-013	Matrix:	AQUEOUS	5	Received	Date: 10/29/2013 10:00:00 A	M
Project:	Largo Compressor Station				Collection	Date: 10/24/2013 2:35:00 PM	1
CLIENT:	Southwest Geoscience			С	lient Samp	le ID: MW-38	

EPA METHOD 8015D: DIESEL RANG	E				Analyst: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/31/2013 12:56:21 AM 10079
Surr: DNOP	121	70.1-140	%REC	1	10/31/2013 12:56:21 AM 10079
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 1:39:27 AM R1445
Surr: BFB	95.5	51.5-151	%REC	1	10/31/2013 1:39:27 AM R1445
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 1:39:27 AM R1445
Toluene	ND	1.0	µg/L	1	10/31/2013 1:39:27 AM R1445
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 1:39:27 AM R1445
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 1:39:27 AM R1445
Surr: 4-Bromofluorobenzene	102	85-136	%REC	1	10/31/2013 1:39:27 AM R1445

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	E	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 13 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 13 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

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Lab Order 1310D53 Date Reported: 11/4/2013

Analyses		Result	RL	Qual Units	DF Date Analyzed	Batch				
Lab ID:	1310D53-014	Matrix:	AQUEOU	S Receive	ed Date: 10/29/2013 10:00:00 A	M				
Project:	Largo Compressor Station			Collectio	n Date: 10/24/2013 3:25:00 PM	Δ				
CLIENT:	Southwest Geoscience	Client Sample ID: MW-9								

			A REAL PROPERTY AND A	20.00	Contractor and the second	CNAME REAL PROPERTY
EPA METHOD 8015D: DIESEL RANGE					Analyst:	JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/31/2013 1:18:08 AM	10079
Surr: DNOP	122	70.1-140	%REC	1	10/31/2013 1:18:08 AM	10079
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 2:09:31 AM	R14452
Surr: BFB	94.7	51.5-151	%REC	1	10/31/2013 2:09:31 AM	R14452
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 2:09:31 AM	R14452
Toluene	ND	1.0	µg/L	1	10/31/2013 2:09:31 AM	R14452
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 2:09:31 AM	R14452
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 2:09:31 AM	R14452
Surr: 4-Bromofluorobenzene	101	85-136	%REC	1	10/31/2013 2:09:31 AM	R14452

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 14 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 14 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

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Lab Order 1310D53 Date Reported: 11/4/2013

Analyses		Result	RL	Qual	Units	DF Date Analyzed	Batch	
Lab ID:	1310D53-015	Matrix:	AQUEOUS	3	Received	Date: 10/29/2013 10:00:00 A	M	
Project:	Largo Compressor Station				Collection	Date: 10/24/2013 4:20:00 PM	1	
CLIENT:	Southwest Geoscience	Client Sample ID: MW-6						

EPA METHOD 8015D: DIESEL RANGE	1				Analyst: J	ME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/31/2013 1:39:47 AM 1	0079
Surr: DNOP	119	70.1-140	%REC	1	10/31/2013 1:39:47 AM 1	0079
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst: N	ISB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 2:39:39 AM R	14452
Surr: BFB	95.0	51.5-151	%REC	1	10/31/2013 2:39:39 AM R	14452
EPA METHOD 8021B: VOLATILES					Analyst: N	ISB
Benzene	ND	1.0	µg/L	1	10/31/2013 2:39:39 AM R	14452
Toluene	ND	1.0	µg/L	1	10/31/2013 2:39:39 AM R	14452
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 2:39:39 AM R	14452
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 2:39:39 AM R	14452
Surr: 4-Bromofluorobenzene	100	85-136	%REC	1	10/31/2013 2:39:39 AM R	14452

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	E	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 15 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 15 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

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Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

Lab Order 1310D53 Date Reported: 11/4/2013

10/31/2013 3:09:52 AM R14452

10/31/2013 3:09:52 AM R14452

10/31/2013 3:09:52 AM R14452

10/31/2013 3:09:52 AM R14452

CLIENT: Southwest Geoscience Project: Largo Compressor Station		Client Sample ID: MW-3R Collection Date: 10/24/2013 5:05:00 PM							
Lab ID: 1310D53-016	Matrix:	AQUEOUS		Received Date: 10/29/2013 10:00:00 AM					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 8015D: DIESEL RANGE						Analyst	JME		
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/31/2013 2:01:35 AM	10079		
Surr: DNOP	119	70.1-140		%REC	1	10/31/2013 2:01:35 AM	10079		
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	NSB		
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/31/2013 3:09:52 AM	R14452		
Surr: BFB	96.4	51.5-151		%REC	1	10/31/2013 3:09:52 AM	R14452		
EPA METHOD 8021B: VOLATILES						Analyst	: NSB		
Benzene	ND	1.0		µg/L	1	10/31/2013 3:09:52 AM	R14452		

1.0

1.0

2.0

85-136

µg/L

µg/L

µg/L

%REC

1

1

1

1

ND

ND

ND

102

Qualifiers:		Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
	Ε	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 16 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 16 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/4/2013

CLIENT:	Southwest Geoscience		Client Samp
Project:	Largo Compressor Station		Collection
Lab ID:	1310D53-017	Matrix: AQUEOUS	Received

Client Sample ID: MW-47 Collection Date: 10/24/2013 5:55:00 PM

Received Date: 10/29/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst	JME
Diesel Range Organics (DRO)	4.7	1.0		mg/L	1	10/31/2013 2:23:12 AM	10079
Surr: DNOP	114	70.1-140		%REC	1	10/31/2013 2:23:12 AM	10079
EPA METHOD 8015D: GASOLINE RAM	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	9.1	0.25		mg/L	5	10/31/2013 3:40:09 AM	R14452
Surr: BFB	496	51.5-151	S	%REC	5	10/31/2013 3:40:09 AM	R14452
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	190	5.0		µg/L	5	10/31/2013 3:40:09 AM	R14452
Toluene	ND	5.0		µg/L	5	10/31/2013 3:40:09 AM	R14452
Ethylbenzene	8.9	5.0		µg/L	5	10/31/2013 3:40:09 AM	R14452
Xylenes, Total	ND	10		µg/L	5	10/31/2013 3:40:09 AM	R14452
Surr: 4-Bromofluorobenzene	165	85-136	S	%REC	5	10/31/2013 3:40:09 AM	R14452

0.110			P	
Qualifiers:	•	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
	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 Page 17 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 17 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1310D53 Date Reported: 11/4/2013

CLIENT:	Southwest Geoscience	Client Sample ID: MW-15						
Project:	Largo Compressor Station			Collection Date: 10/24/2013 6:55:00 PM				
Lab ID:	1310D53-018	Matrix:	AQUEOUS	Received	Date: 10/29/2013 10:00:00 AM			
Analyses		Result	RL Qual	Units	DF Date Analyzed Batch			
EPA ME	THOD 8015D: DIESEL RANGE				Analyst: JME			
Diesel R	ange Organics (DRO)	ND	1.0	mg/L	1 10/31/2013 2:45:02 AM 10079			

Surr: DNOP	120	70.1-140	%REC	1	10/31/2013 2:45:02 AM	10079
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 3:05:04 PM	R14497
Surr: BFB	98.1	51.5-151	%REC	1	10/31/2013 3:05:04 PM	R14497
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 3:05:04 PM	R14497
Toluene	ND	1.0	µg/L	1	10/31/2013 3:05:04 PM	R14497
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 3:05:04 PM	R14497
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 3:05:04 PM	R14497
Surr: 4-Bromofluorobenzene	104	85-136	%REC	1	10/31/2013 3:05:04 PM	R14497

Qualifiers:		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
Qualitier 5.	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 18 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 18 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

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Analytical Report Lab Order 1310D53 Date Reported: 11/4/2013

Analyses		Result	RL	Qual	Units	DF Date Analyzed	Batch
Lab ID:	1310D53-019	Matrix:	AQUEOU	S	Received	Date: 10/29/2013 10:00:00 A	M
Project:	Largo Compressor Station				Collection	Date: 10/23/2013 10:40:00 A	M
CLIENT:	Southwest Geoscience	Client Sample ID: MW-40R					

EPA METHOD 8015D: DIESEL RANG	E				Analyst:	JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/31/2013 3:06:57 AM	10079
Surr: DNOP	119	70.1-140	%REC	1	10/31/2013 3:06:57 AM	10079
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 4:36:06 PM	R14497
Surr: BFB	94.3	51.5-151	%REC	1	10/31/2013 4:36:06 PM	R14497
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 4:36:06 PM	R14497
Toluene	ND	1.0	µg/L	1	10/31/2013 4:36:06 PM	R14497
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 4:36:06 PM	R14497
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 4:36:06 PM	R14497
Surr: 4-Bromofluorobenzene	103	85-136	%REC	1	10/31/2013 4:36:06 PM	R14497

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank		
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded		
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 19 of 35		
	0	O RSD is greater than RSDlimit		Sample pH greater than 2 for VOA and TOC only.		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1310D53 Date Reported: 11/4/2013

CLIENT: Project:	Southwest Geoscience Largo Compressor Station		Client Sample ID: MW-50 Collection Date: 10/23/2013 11:30:00 AM							
Lab ID:	1310D53-020	Matrix: AQUEOUS			Received Date: 10/29/2013 10:00:00 AM					
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch		
	HOD 8015D: DIESEL RANGE						Analy	/st: JME		
Diesel R	ange Organics (DRO)	ND	1.0	1	mg/L	1	10/31/2013 3:28:59 /	AM 10079		
Surr: [DNOP	113	70.1-140	i -	%REC	1	10/31/2013 3:28:59 /	AM 10079		
EPA MET	HOD 8015D: GASOLINE RAN	IGE					Analy	st: NSB		
Gasoline	Range Organics (GRO)	ND	0.050	1	mg/L	1	10/31/2013 6:07:01 F	PM R14497		
Surr: E	3FB	95.6	51.5-151		%REC	1	10/31/2013 6:07:01	M R14497		

E

1

Surr: BFB	95.6	51.5-151	%REC	1	10/31/2013 6:07:01 PM	R14497
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 6:07:01 PM	R14497
Toluene	ND	1.0	µg/L	1	10/31/2013 6:07:01 PM	R14497
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 6:07:01 PM	R14497
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 6:07:01 PM	R14497
Surr: 4-Bromofluorobenzene	104	85-136	%REC	1	10/31/2013 6:07:01 PM	R14497

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Met	hod Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysis	sis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 20 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Sample pH greater than 2 for VOA and	TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT	Southwest Geoscience	Client Sample ID: MW-51 Collection Date: 10/23/2013 1:20:00 PM						
Project:	Largo Compressor Station							
Lab ID:	1310D53-021	Matrix:	AQUEOUS	Received	Date: 10/	/29/2013 10:00:00 A	M	
Analyses		Result	RL Qual	Units	DF	Date Analyzed	Batch	
EPA ME	THOD 8015D: DIESEL RANGE					Anal	yst: JME	
Diesel F	Range Organics (DRO)	ND	1.0	mg/L	1	10/31/2013 4:13:14	AM 10079	

Surr: DNOP	111	70.1-140	%REC	1	10/31/2013 4:13:14 AM	10079
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	0.066	0.050	mg/L	1	10/31/2013 6:37:23 PM	R14497
Surr: BFB	96.9	51.5-151	%REC	1	10/31/2013 6:37:23 PM	R14497
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	8.2	1.0	µg/L	1	10/31/2013 6:37:23 PM	R14497
Toluene	ND	1.0	µg/L	1	10/31/2013 6:37:23 PM	R14497
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 6:37:23 PM	R14497
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 6:37:23 PM	R14497
Surr: 4-Bromofluorobenzene	100	85-136	%REC	1	10/31/2013 6:37:23 PM	R14497

Qualifiers:		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank		
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded		
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 21 of 35		
	O RSD is greater than RSDlimit		Р	Not Detected at the Reporting Limit Page 21 of 3 Sample pH greater than 2 for VOA and TOC only.		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

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17. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	Southwest Geoscience	Client Sample ID: MW-39						
Project:	Largo Compressor Station				Collection	Date: 10/23/2013 2:30:00 PM	Δ	
Lab ID:	1310D53-022	Matrix:	AQUEOUS	S	Received	Date: 10/29/2013 10:00:00 A	M	
Analyses		Result	RL	Qual	Units	DF Date Analyzed	Batch	

Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/31/2013 4:35:21 AM	10079
Surr: DNOP	109	70.1-140	%REC	1	10/31/2013 4:35:21 AM	10079
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB
Gasoline Range Organics (GRO)	0.11	0.050	mg/L	1	10/31/2013 9:08:11 PM	R14497
Surr: BFB	95.4	51.5-151	%REC	1	10/31/2013 9:08:11 PM	R14497
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	18	1.0	µg/L	1	10/31/2013 9:08:11 PM	R14497
Toluene	ND	1.0	µg/L	1	10/31/2013 9:08:11 PM	R14497
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 9:08:11 PM	R14497
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 9:08:11 PM	R14497
Surr: 4-Bromofluorobenzene	105	85-136	%REC	1	10/31/2013 9:08:11 PM	R14497

Qualifiers:	٠	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank	
	Е	Value above quantitation range	н	Holding times for preparation or analysi	s exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 22 of 35	
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1310D53 Date Reported: 11/4/2013

CLIENT	Southwest Geoscience	Client Sample ID: MW-41				
Project:	Largo Compressor Station		Collection Date: 10/23/2013 3:35:00 PM			
Lab ID:	1310D53-023	Matrix: AQUEOUS	Received Date: 10/29/2013 10:00:00 AM			

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE				Analy	st: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/31/2013 4:57:32 A	M 10079
Surr: DNOP	112	70.1-140	%REC	1	10/31/2013 4:57:32 A	M 10079
EPA METHOD 8015D: GASOLINE R	ANGE				Analy	st: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 9:38:28 P	M R14497
Surr: BFB	95.6	51.5-151	%REC	1	10/31/2013 9:38:28 P	M R14497
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 9:38:28 P	M R14497
Toluene	ND	1.0	µg/L	1	10/31/2013 9:38:28 P	M R14497
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 9:38:28 P	M R14497
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 9:38:28 P	M R14497
Surr: 4-Bromofluorobenzene	102	85-136	%REC	1	10/31/2013 9:38:28 P	M R14497

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank			
	Е	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 Page 23 of 35			
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.			
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit			
	S	Spike Recovery outside accepted recovery limits					

Analytical Report Lab Order 1310D53

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Southwest Geoscience
 Client Sample ID: MW-75

 Project: Largo Compressor Station
 Collection Date: 10/23/2013 4:30:00 PM

 Lab ID: 1310D53-024
 Matrix: AQUEOUS
 Received Date: 10/29/2013 10:00:00 AM

 Analyses
 Result
 RL Qual Units
 DF Date Analyzed
 Batch

Analyses	Result	KL Qu	ai Units	Dr	Date Analyzeu	Daten
EPA METHOD 8015D: DIESEL RANG	E				Analys	t: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/31/2013 5:19:44 AM	A 10079
Surr: DNOP	116	70.1-140	%REC	1	10/31/2013 5:19:44 AM	M 10079
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	10/31/2013 10:08:39 F	M R14497
Surr: BFB	89.4	51.5-151	%REC	1	10/31/2013 10:08:39 F	PM R14497
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 10:08:39 F	M R14497
Toluene	ND	1.0	µg/L	1	10/31/2013 10:08:39 F	M R14497
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 10:08:39 F	PM R14497
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 10:08:39 F	PM R14497
Surr: 4-Bromofluorobenzene	92.6	85-136	%REC	1	10/31/2013 10:08:39 F	PM R14497

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
	Е	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 Page 24 of 35
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1310D53 Date Reported: 11/4/2013

CLIENT: Southwest GeoscienceProject:Largo Compressor StationLab ID:1310D53-025	Matrix:	AQUEOUS			Date: 10	W-80 /23/2013 4:55:00 PM /29/2013 10:00:00 AJ	2243
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analy	st: JME
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/31/2013 5:42:02 A	M 10079
Surr: DNOP	113	70.1-140		%REC	1	10/31/2013 5:42:02 A	M 10079
EPA METHOD 8015D: GASOLINE RAN	GE					Analy	st: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/31/2013 10:38:52	PM R14497
Surr: BFB	96.3	51.5-151		%REC	1	10/31/2013 10:38:52	PM R14497
EPA METHOD 8021B: VOLATILES						Analy	st: NSB
Benzene	ND	1.0		µg/L	1	10/31/2013 10:38:52	PM R14497

Benzene	ND	1.0	µg/L	1	10/31/2013 10:38:52 PM R14497
Toluene	ND	1.0	µg/L	1	10/31/2013 10:38:52 PM R14497
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 10:38:52 PM R14497
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 10:38:52 PM R14497
Surr: 4-Bromofluorobenzene	101	85-136	%REC	1	10/31/2013 10:38:52 PM R14497

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 25 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 25 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report Lab Order 1310D53

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Southwest Geoscience			C	lient Samp	le ID: M	W-79	
Project:	Largo Compressor Station			i.	Collection	Date: 10,	/23/2013 5:10:00 P	м
Lab ID:	1310D53-026	Matrix:	AQUEOUS	S	Received	Date: 10/	/29/2013 10:00:00	AM
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
	HOD 8015D: DIESEL RANGE						Ana	lyst: BCN
Diesel R	ange Organics (DRO)	ND	1.0		mg/L	1	10/31/2013 10:18:17	7 AM 10079
Surr: D	DNOP	110	70.1-140		%REC	1	10/31/2013 10:18:17	7 AM 10079
EPA MET	HOD 8015D: GASOLINE RAN	IGE					Anal	lyst: NSB
Gasoline	Range Organics (GRO)	ND	0.050		mg/L	1	10/31/2013 11:08:58	8 PM R14497
Surr: E	REB	96.4	51.5-151		%REC	4	10/31/2013 11:08:50	DN D14407

E

EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	1.0	µg/L	1	10/31/2013 11:08:58 PM R14497
Toluene	ND	1.0	µg/L	1	10/31/2013 11:08:58 PM R14497
Ethylbenzene	ND	1.0	µg/L	1	10/31/2013 11:08:58 PM R14497
Xylenes, Total	ND	2.0	µg/L	1	10/31/2013 11:08:58 PM R14497
Surr: 4-Bromofluorobenzene	102	85-136	%REC	1	10/31/2013 11:08:58 PM R14497

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 26 of 35
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 26 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1310D53 Date Reported: 11/4/2013

CLIENT: Southwest Geoscience	Client Sample ID: MW-77							
Project: Largo Compressor Station				Collection 1	Date: 10	/23/2013 5:25:00 PM	N	
Lab ID: 1310D53-027	Matrix:	AQUEOU	S	Received 1	Date: 10/	/29/2013 10:00:00 /	M	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 8015D: DIESEL RANGE						Anal	yst: BCN	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/31/2013 10:40:24	AM 10079	
Surr: DNOP	107	70.1-140		%REC	1	10/31/2013 10:40:24	AM 10079	
EPA METHOD 8015D: GASOLINE RAN	GE					Anal	yst: NSB	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/31/2013 11:39:05	PM R14497	
Surr: BFB	98.1	51.5-151		%REC	1	10/31/2013 11:39:05	PM R14497	
EPA METHOD 8021B: VOLATILES						Anal	yst: NSB	
Benzene	ND	1.0		µg/L	1	10/31/2013 11:39:05	PM R14497	
Toluene	ND	1.0		µg/L	1	10/31/2013 11:39:05	PM R14497	
Ethylbenzene	ND	1.0		µg/L	1	10/31/2013 11:39:05	PM R14497	
Xylenes, Total	ND	2.0		µg/L	1	10/31/2013 11:39:05	PM R14497	
Surr: 4-Bromofluorobenzene	102	85-136		%REC	1	10/31/2013 11:39:05	5 PM R14497	

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 27 of 35
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

Lab Order 1310D53 Date Reported: 11/4/2013

11/1/2013 12:09:10 AM R14497

CLIENT:Southwest GeoscienceProject:Largo Compressor StationLab ID:1310D53-028	Matrix:	AQUEOUS		Date: 10	W-43 /24/2013 8:25:00 AM /29/2013 10:00:00 AM	
Analyses	Result	RL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE					Analys	t: JME
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/31/2013 6:48:41 AM	A 10079
Surr: DNOP	104	70.1-140	%REC	1	10/31/2013 6:48:41 AM	A 10079
EPA METHOD 8015D: GASOLINE RAM	IGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	0.25	mg/L	5	11/1/2013 12:09:10 AM	A R14497
Surr: BFB	94.4	51.5-151	%REC	5	11/1/2013 12:09:10 AM	A R14497
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	5.0	µg/L	5	11/1/2013 12:09:10 AM	A R14497
Toluene	ND	5.0	µg/L	5	11/1/2013 12:09:10 A	A R14497
Ethylbenzene	ND	5.0	µg/L	5	11/1/2013 12:09:10 AM	A R14497
Xylenes, Total	ND	10	µg/L	5	11/1/2013 12:09:10 AM	A R14497

85-136

%REC

5

99.7

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 28 of 35
	0	RSD is greater than RSDlimit	P	Not Detected at the Reporting Limit Page 28 of 35 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Southwest Geoscience

WO#: 04-Nov-13

Sample ID MB-10098	SampType: MBLK	Te	estCode: El	PA Method	8015D: Diese	Range		
Client ID: PBW	Batch ID: 10098		RunNo: 1	4432		•		
Prep Date: 10/30/2013	Analysis Date: 10/30/201	3	SeqNo: 4	15120	Units: mg/L			
Analyte	Result PQL SPK v	lue SPK Ref Va	%REC	Low imit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 1.0		I MILEO	LOWLINK	I lightennik	701410	The Denne	Quai
Surr: DNOP	1.2 1.	000	115	70.1	140			
Sample ID LCS-10098	SampType: LCS	Te	estCode: El	PA Method	8015D: Diese	Range	7 / TA	
Client ID: LCSW	Batch ID: 10098		RunNo: 1	4432				
Prep Date: 10/30/2013	Analysis Date: 10/30/201	3	SeqNo: 4	15196	Units: mg/L			
Analyte	Result PQL SPK v	lue SPK Ref Va	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.7 1.0 5.	0 000	113	73.3	145		and a requirement	-
Sur: DNOP	0.55 0.5	000	111	70.1	140	- (-)	low and	
Sample ID LCSD-10098	SampType: LCSD	Те	estCode: El	PA Method	8015D: Diese	Range	an Marine and P	
Client ID: LCSS02	Batch ID: 10098		RunNo: 1	4432				
Prep Date: 10/30/2013	Analysis Date: 10/30/201	3	SeqNo: 4	15197	Units: mg/L			
Analyte	Result PQL SPK v	lue SPK Ref Va	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.0 1.0 5.	0 000	120	73.3	145	5.65	20	
Surr: DNOP	0.57 0.5	000	113	70.1	140	0	0	
Sample ID MB-10079	SampType: MBLK	Te	estCode: El	PA Method	8015D: Diese	Range	1	
Client ID: PBW	Batch ID: 10079		RunNo: 1	4432				
Prep Date: 10/29/2013	Analysis Date: 10/30/201	3	SeqNo: 4	15223	Units: mg/L			
Analyte	Result PQL SPK v	lue SPK Ref Va	I %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 1.0	arras d		aller aller	u kor			
Surr: DNOP	1.2 1.	000	118	70.1	140		-	
Sample ID LCS-10079	SampType: LCS	Te	estCode: El	PA Method	8015D: Diese	Range		
Client ID: LCSW	Batch ID: 10079		RunNo: 1	4432				
Prep Date: 10/29/2013	Analysis Date: 10/30/201	3	SeqNo: 4	15224	Units: mg/L			
Analyte	Result PQL SPK v	lue SPK Ref Va	NREC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		000 0	117	73.3	145			
Surr: DNOP	0.57 0.5	000	114	70.1	140	-		
Sample ID LCSD-10079	SampType: LCS	Te	estCode: El	PA Method	8015D: Diese	Range		
Client ID: LCSW	Batch ID: 10079		RunNo: 1	4432				
Prep Date: 10/29/2013	Analysis Date: 10/30/201	3	SeqNo: 4	15241	Units: mg/L			
Analyte	Result PQL SPK v	lue SPK Ref Va	N DEC	Loud imit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

Client:

- Value exceeds Maximum Contaminant Level. *
- E Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- P Sample pH greater than 2 for VOA and TOC only.
- RL **Reporting Detection Limit**

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1310D53

Client: Southwest Geoscience

Project: Largo Compressor Station

Sample ID LCSD-10079	SampT	ype: LC	S	Tes	Code: El	PA Method	8015D: Diese	l Range		
Client ID: LCSW	Batch	ID: 10	079	R	lunNo: 1	4432				
Prep Date: 10/29/2013	Analysis D	ate: 10	0/30/2013	S	eqNo: 4	15241	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.2	1.0	5.000	0	125	73.3	145			
Sur: DNOP	0.55		0.5000		110	70.1	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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1310D53 04-Nov-13

WO#:

Southwest Geoscience

Largo Compressor Station

Result

Result

0.51

20

ND

19

SampType: MBLK

Batch ID: R14452

Analysis Date: 10/30/2013

PQL

0.050

Batch ID: R14452

Analysis Date: 10/30/2013

PQL

0.050

SampType: MS

SampType: LCS

20.00

0.5000

20.00

0	10	1	80		120	
	10	2	51.5		151	
Test	Code:	EPA	Method	8015D:	Gasoline R	lange
R	unNo:	144	52			

TestCode: EPA Method 8015D: Gasoline Range

51.5

TestCode: EPA Method 8015D: Gasoline Range

Units: mg/L

HighLimit

Units: mg/L

HighLimit

151

%RPD

%RPD

RPDLimit

RPDLimit

RunNo: 14452

SeqNo: 415573

92.9

RunNo: 14452

SeqNo: 415574

SPK value SPK Ref Val %REC LowLimit

SPK value SPK Ref Val %REC LowLimit

Client ID: MW-32 Prep Date:	Batc Analysis D	h ID: R1 Date: 1 0	4452 D/30/2013		RunNo: 1 SeqNo: 4		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.52	0.050	0.5000	0	104	67.7	128			
Surr: BFB	21		20.00		105	51.5	151			
Sample ID 1310D53-009AMS	D Samp	Type: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	-
Client ID: MW-32	Batc	h ID: R1	4452	F	RunNo: 1	4452				

Prep Date:	Analysis Dat	te: 10/30/2013	5	SeqNo: 4	15577	Units: mg/L			
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.50	0.050 0.5000	0	99.0	67.7	128	4.50	20	The second
Surr: BFB	21	20.00		105	51.5	151	0	0	
Sample ID 5ML RB	SampTy	pe: MBLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	je	
Client ID: PBW	Batch I	D: R14466	F	RunNo: 1	4466				
Prep Date:	Analysis Dat	te: 10/30/2013	5	SeqNo: 4	15629	Units: mg/L			
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050					19. 1		
Surr: BFB	19	20.00		96.5	51.5	151			
Sample ID 2.5UG GRO LCS	SampTy	pe: LCS	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	le	
Client ID: LCSW	Batch I	D: R14466	F	RunNo: 1	4466				
Prep Date:	Analysis Da	te: 10/30/2013	5	SeaNo: 4	15630	Units: ma/L			

SPK value SPK Ref Val %REC

Qualifiers:

Analyte

Client:

Project:

Sample ID B23

Client ID: PBW

Client ID: LCSW

Gasoline Range Organics (GRO)

Sample ID 2.5UG GRO LCS

Gasoline Range Organics (GRO)

Sample ID 1310D53-009AMS

Prep Date:

Sur: BFB

Prep Date:

Surr: BFB

Analyte

Analyte

* Value exceeds Maximum Contaminant Level.

Result

PQL

- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

LowLimit

HighLimit

- ND Not Detected at the Reporting Limit
 - P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

WO#: 1310D53

Qual

Qual

04-Nov-13

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Qual

age 51 01

RPDLimit

%RPD

WO#: 1310D53

04-Nov-13

Client: Project:	Southwes Largo Con										
Sample ID	2.5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSW	Batch	n ID: R1	4466	F	RunNo: 1	4466				
Prep Date:		Analysis D	ate: 10	0/30/2013		SeqNo: 4	15630	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	0.52	0.050	0.5000	0	105	80	120			
Surr: BFB		21		20.00		104	51.5	151	100	10	
Sample ID	5ML RB	SampT	ype: MI	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBW	Batch	n ID: R1	4497	F	RunNo: 1	4497				
Prep Date:		Analysis D	ate: 10	0/31/2013	5	SeqNo: 4	16401	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	ND	0.050								
Surr: BFB	and the second second	19		20.00		92.8	51.5	151	-		-
Sample ID	2.5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSW	Batch	n ID: R1	4497	F	RunNo: 1	4497				
Prep Date:		Analysis D	ate: 1	0/31/2013	5	SeqNo: 4	16402	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	0.50	0.050	0.5000	0	100	80	120			
Surr: BFB		20		20.00		101	51.5	151		1.1.1	See.
Sample ID	1310D53-018AMS	SampT	ype: MS	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	MW-15	Batch	n ID: R1	4497	F	RunNo: 1	4497				
Prep Date:		Analysis D	ate: 1	0/31/2013	5	SeqNo: 4	16411	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	0.48	0.050	0.5000	0	95.8	67.7	128			
Sun: BFB		19		20.00		96.6	51.5	151			
Sample ID	1310D53-018AMSI	SampT	ype: MS	SD	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	MW-15	Batch	1D: R1	4497	F	RunNo: 1	4497				
Prep Date:		Analysis D	ate: 1	0/31/2013	5	SeqNo: 4	16412	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	0.49	0.050	0.5000	0	97.0	67.7	128	1.24	20	
Surr: BFB		20		20.00		101	51.5	151	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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Detection Limit

Couthment Consistence

Client:	Southwest	t Geoscier	nce								
Project:	Largo Con	mpressor	Station								
Sample ID	B23	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID:	PBW	Batch	n ID: R1	4452	F	RunNo: 1	4452				
Prep Date:		Analysis D	Date: 10	0/30/2013	5	SeqNo: 4	15613	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	1.0								
Toluene		ND	1.0								
Ethylbenzene		ND	1.0								
Xylenes, Total		ND	2.0								
Surr: 4-Brom	nofluorobenzene	20		20.00		101	85	136			
Sample ID	100NG BTEX LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID:	LCSW	Batch	h ID: R1	4452	F	RunNo: 1	4452				
Prep Date:		Analysis D	Date: 10	0/30/2013	s	SeqNo: 4	15614	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		20	1.0	20.00	0	99.6	80	120			
Toluene		20	1.0	20.00	0	101	80	120			
Ethylbenzene		21	1.0	20.00	0	103	80	120			
Xylenes, Total		64	2.0	60.00	0	107	80	120			
	nofluorobenzene	21		20.00		106	85	136		in the second second	-
Sample ID	1310D53-010AMS	SampT	Type: MS	5	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID:	MW-8	Batch	h ID: R1	4452	F	RunNo: 1	4452				
Prep Date:		Analysis D	Date: 1	0/30/2013	5	SeqNo: 4	15617	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		18	1.0	20.00	0	90.8	73.4	119			
Toluene		18	1.0	20.00	0.3620	90.5	80	120			
Ethylbenzene		19	1.0	20.00	0	92.9	80	120			
Xylenes, Total		59	2.0	60.00	0.8840	96.2	80	120			
areas of a sector of a sector of	nofluorobenzene	21	2765	20.00		104	85	136			
Sample ID	1310D53-010AMS	D Samp1	Type: M	SD	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID:	MW-8	Batc	h ID: R1	4452	F	RunNo: 1	4452				
Prep Date:		Analysis D	Date: 1	0/31/2013	5	SeqNo: 4	15618	Units: µg/L			
Analyte	and the second	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		18	1.0	20.00	0	91.0	73.4	119	0.253	20	1
Toluene		18	1.0	20.00	0.3620	90.4	80	120	0.141	20	
Ethydhenzone		19	1.0	20.00	0	93.6	80	120	0.740	20	
curyidenzene											
Ethylbenzene Xylenes, Total		58	2.0	60.00	0.8840	95.2	80	120	1.05	20	

Qualifiers:

Climate

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 - Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

P

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1310D53 04-Nov-13

WO#:

Client: Project:		t Geoscier mpressor	1992.02.0								
Sample ID		-	_		Tee	Codo: E	DA Mathad	8021B: Volat	llee		
			Type: MI					SUZIB: Volat	lies		
Client ID:	PBW		h ID: R1			RunNo: 1					
Prep Date:		Analysis D	Date: 1	0/30/2013	5	SeqNo: 4	15656	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	1.0								
Toluene		ND	1.0								
Ethylbenzene		ND	1.0								
Kylenes, Total		ND	2.0								
Surr: 4-Brom	ofluorobenzene	23		20.00		115	85	136			
Sample ID	100NG BTEX LCS	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Volat	iles	1.1.1	
Client ID:	LCSW	Batc	h ID: R1	4466	F	RunNo: 1	4466				
Prep Date:		Analysis D	Date: 1	0/30/2013	5	SeqNo: 4	15657	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		19	1.0	20.00	0	96.4	80	120			
Foluene		20	1.0	20.00	0	101	80	120			
Ethylbenzene		20	1.0	20.00	0	101	80	120			
Xylenes, Total		61	2.0	60.00	0	102	80	120			
Surr: 4-Bron	nofluorobenzene	24		20.00		122	85	136			1.00
Sample ID	5ML RB	Samp	Type: MI	BLK	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID:	PBW	Batc	h ID: R1	4497	F	RunNo: 1	4497				
Prep Date:		Analysis D	Date: 1	0/31/2013	:	SeqNo: 4	16431	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	1.0								
Toluene		ND	1.0								
Ethylbenzene		ND	1.0								
Xylenes, Total		ND	2.0								
Surr: 4-Bron	nofluorobenzene	20		20.00		102	85	136			
Sample ID	100NG BTEX LCS	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID:	LCSW	Batc	h ID: R1	4497	F	RunNo: 1	4497				
Prep Date:		Analysis D	Date: 1	0/31/2013	5	SeqNo: 4	16432	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		18	1.0	20.00	0	91.2	80	120			
Toluene		18	1.0	20.00	0	92.0	80	120			
Ethylbenzene		19	1.0	20.00	0	94.2	80	120			
Xylenes, Total		58	2.0	60.00	0	96.0	80	120			
	and the second second second										

Qualifiers:

* Value exceeds Maximum Contaminant Level.

21

20.00

E Value above quantitation range

Surr: 4-Bromofluorobenzene

- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

85

136

ND Not Detected at the Reporting Limit

103

- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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WO#: 1310D53

04-Nov-13

Southwest Geoscience

Project: Largo Compressor Station

Client:

Sample ID 1310D53-019AM Client ID: MW-40R		ype: MS 1D: R1			tCode: El RunNo: 1		8021B: Volat	iles		
Prep Date:	Analysis D	ate: 10	0/31/2013	s	SeqNo: 4	16441	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	15	1.0	20.00	0	73.9	73.4	119			
oluene	15	1.0	20.00	0.3580	73.9	80	120			S
Ethylbenzene	16	1.0	20.00	0	77.9	80	120			S
(ylenes, Total	49	2.0	60.00	0.5680	80.9	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		106	85	136			

Prep Date:	Analysis [Date: 1	0/31/2013	5	SeqNo: 4	16442	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	15	1.0	20.00	0	74.5	73.4	119	0.755	20	1.1
Toluene	15	1.0	20.00	0.3580	73.4	80	120	0.769	20	S
Ethylbenzene	15	1.0	20.00	0	77.0	80	120	1.17	20	S
Xylenes, Total	49	2.0	60.00	0.5680	80.0	80	120	1.10	20	
Surr: 4-Bromofluorobenzene	21		20.00		107	85	136	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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1310D53 04-Nov-13

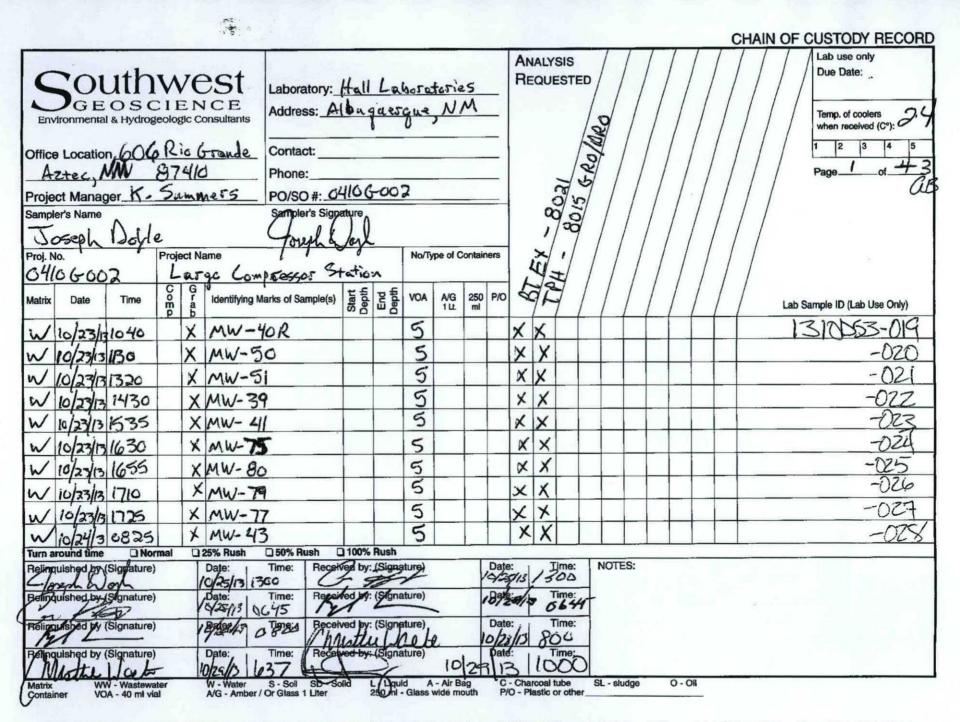
WO#:

Client Name: Southwest Geoscience Work Order Num	ber: 1310D53		RcptNo: 1	
eceived by/date: Ala 10/29/13				
ogged By: Lindsay Mangin 10/29/2013 10:00:0	MA OC	Andighter		
eviewed By: Lindsay Mangin 10/29/2013 10:50:2	29 AM 3	Hugo		
alin of Custody		8		
Custody seals intact on sample bottles?	Yes 🗆	No 🗆	Not Present	
. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present	
How was the sample delivered?	Courier			
og In				
. Was an attempt made to cool the samples?	Yes 🗹	No 🗆		
. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌		
. Sample(s) in proper container(s)?	Yes 🗹	No 🗌		
Sufficient sample volume for indicated test(s)?	Yes 🗹	No		
Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗆		
. Was preservative added to bottles?	Yes 🗌	No 🗹	NA 🗆	
0.VOA vials have zero headspace?	Yes 🗹	No 🗆	No VOA Vials	
1. Were any sample containers received broken?	Yes	No 🗹	# of our owned	
	-		# of preserved bottles checked	
2. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗆	for pH: (<2 or >12 unless	s not
3. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗆	Adjusted?	
4. Is it clear what analyses were requested?	Yes 🗹	No 🗆		
5. Were all holding times able to be met?	Yes 🖌	No 🗆	Checked by:	
(If no, notify customer for authorization.)				
pecial Handling (if applicable)				
6. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗆		
Person Notified: Dat By Whom: Via Regarding:		Phone 🗌 Fax	In Person	
Client Instructions:		eng in 1.4 (n. 1.3)		

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																	CHAIN	OFC	USTODY RECO
Envir Office A-2- Project	Location	uth cosc al & Hydrog on 606 VM E ger K. S Dayle	Rin Rin 74	EN gic Con o Gr 10	CE Address: rande Contact: Phone:	<u>6410</u> Signature			etos Nr	1			STED VOV	0					Lab use only Due Date: Temp. of coolers when received (C°): 1 2 3 4 5 Page 3 of 4
roj. No	0.		Proje	ect Nam	ne l	0		No/Ty	pe of C	ontainer	s	X	./ /	//	'//		/ /		
041	06-60	2	La	590	Compressor ?	Statio	n					Ze	\$	/ /	/ /	11	/		
Matrix	Date	Time	COED	G r a b	Identifying Marks of Sample	Start Depth	End	VOA	A/G 1LL	250 P ml	10	Th	1			//	/	Lab Sa	mple ID (Lab Use Only)
WI	olasir	0820		XI	MW-14			5			X	X					131	10	53-001
N	iobsilis	0930			MW-76			5			×	X							-002
N	6/25/13	0939			MW-13			5			X	X							-003
\mathcal{N}_{i}	0/25/13	0945		XI	MW-34			5			×	X							-004
		1040		XI	MW-36			5			×	X					·		-205
	1, 1,	1205		XV	nw-49			5			X	X							-006
		1320		XA	MW-83			5			X	X		_					-007
1				×	~w-i6	_		5			×	X	-41	6					-008-
/	ci /13			XI	1111-057	_		5			×	×		22					
N		1500		XN	nw-7 750			5			X	X							-008
	ound time	Q Nor			% Rush 🛛 50% Rush	0 100%													
letingu	uished by	(Signature)		D	124-11200	ceiveoby			C	14	ate:	130	ne: N	OTES:					
Reilingy	ished by	(Signature)		. Da	ate: Time: Re	erved by	: (Signa	ature)		-	128/		33/5						
Relinqu	- 1/1 Ashed by	(Signature)				iceived by			-	D	ate:	Ti	ne:						
Retingu	A / 1	(Signature)		Di	ate: Time: Re 21/3 637		Signa	iture)	int	nP	ate:	Ti	ne:						

Office Location GOG R is Grawda Contact:					CHAIN OF CUSTODY RECORD
Project Name Project Name NoType of Containers NoType of Containers NoType of Containers Matrix Date Time	Office Location 606 Rio 0 Aztec NM 9740 Project Manager K. Summ Sampler's Name	Address: <u>Albuguess</u> <u>Saude</u> <u>Contact:</u> <u>Phone:</u> <u>PO/SO #: <u>G4(06-00</u>) <u>Sampler's Signature</u></u>	que NM	REQUESTED	Lab use only Due Date: Temp. of coolers when received (C°): 1 2 3 4
Matrix Date Time G <t< td=""><td>Proj. No. Project</td><td>Name L O</td><td>No/Type of Containers</td><td>II.</td><td></td></t<>	Proj. No. Project	Name L O	No/Type of Containers	II.	
V 10/24/13 0925 X MW-32 5 X X -010 V 10/24/13 123.55 X MW-8 5 X -010 V 10/24/13 123.55 X MW-84 5 X -010 V 10/24/13 123.55 X MW-53 5 X -011 V 10/24/13 1340 X MW-53 5 X -012 V 10/24/13 1340 X MW-53 5 X -012 V 10/24/13 15.55 X MW-38 5 X -013 V 10/24/13 15.25 X MW-38 5 X -014 V 10/24/13 16.20 X MW-6 5 X X -015 V 10/24/13 17.05 X MW-47 5 X X -017 V 10/24/13 17.05 X MW-47 5 X -018 Tum around time INormal 125% Rush	04106002 60	ge Compressor Station			
W 10/24/13 0925 X MW-32 5 X X -010 W 10/24/13 1025 X MW-8 5 X -010 W 10/24/13 1235 X MW-8 5 X -010 W 10/24/13 1235 X MW-53 5 X -011 W 10/24/13 1340 X MW-53 5 X -012 W 10/24/13 1340 X MW-53 5 X -012 W 10/24/13 1525 X MW-38 5 X -013 W 10/24/13 1525 X MW-9 5 X -014 W 10/24/13 1620 X MW-6 5 X -014 W 10/24/13 1705 X MW-3R 5 X -015 W 10/24/13 1705 X MW-47 5 X -017 W 16/24/13 1705 X MW-15 5	Matrix Date Time O r	Identifying Marks of Sample(s)	VOA A/G 250 P/O	74///	Lab Sample ID (Lab Use Only)
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W ic/24/13 1755 X MW-47 5 X I W ic/24/13 1855 X MW-47 5 X I W k/24/13 1855 X MW-15 5 X X Turn around time Normal 25% Rush 100% Rush Prejinquished by (Signature) Date: Time: Received by: (Signature) Date: Time:				VY	-1116
N/k/24/13 1855 X MW-15 5 X X -018 Turn around time I Normal 25% Rush 50% Rush 100% Rush -018 -018 Rejinquished by (Signature) Date: Time: Receiged by: (Signature) Date: Time: NOTES:		1			-017
Turn around time Normal 25% Rush 50% Rush 100% Rush Turn around time Normal 25% Rush 50% Rush 100% Rush Reginquished voy (Signature) Date: Time: Received by (Signature) Date: Time: NOTES: Date: Time: Received by (Signature) Date: Time: NOTES:				XX	-018
Relinquished by (Signature) Date: Time: Received by: (Signature) Date: Time: NOTES:	Turn around time D Normal				
	Rejinquished by (Gignature)	I have incased in the second	1017	Time: NOTES:	
Retinduished by (Signature) Date: Time: Received by: (Signature) Of 22/11 0645	76244 DO on L Relinduished by (Signature)	Date: Time: Received by Signat	ture)		
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

November 08, 2013

Kyle Summers Southwest Geoscience 606 S. Rio Grande Unit A Aztec, NM 87410 TEL: (903) 821-5603 FAX (214) 350-2914

RE: Largo CS

OrderNo.: 1310E88

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 10/31/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1310E88 Date Reported: 11/8/2013

Batch

Analyses		Result	RL	Qual	Units	DF Date Analyzed]
Lab ID:	1310E88-001	Matrix:	AQUEOU	JS	Received	Date: 10/31/2013 10:00:00 AM	[
Project:	Largo CS				Collection	Date: 10/28/2013 4:50:00 PM	
CLIENT:	Southwest Geoscience			C	lient Samp	le ID: MW-16	

EPA METHOD 8015D: DIESEL RANG	E				Analyst	BCN
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	11/1/2013 2:38:30 PM	10125
Surr: DNOP	132	70.1-140	%REC	1	11/1/2013 2:38:30 PM	10125
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	0.052	0.050	mg/L	1	11/1/2013 3:30:59 PM	R14530
Surr: BFB	101	51.5-151	%REC	1	11/1/2013 3:30:59 PM	R14530
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	11	1.0	µg/L	1	11/1/2013 3:30:59 PM	R14530
Toluene	ND	1.0	µg/L	1	11/1/2013 3:30:59 PM	R14530
Ethylbenzene	1.2	1.0	µg/L	1	11/1/2013 3:30:59 PM	R14530
Xylenes, Total	ND	2.0	µg/L	1	11/1/2013 3:30:59 PM	R14530
Surr: 4-Bromofluorobenzene	106	85-136	%REC	1	11/1/2013 3:30:59 PM	R14530

Qualifiers:	٠	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank		
	Е	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 Page 1 of 8		
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 1 of 8 Sample pH greater than 2 for VOA and TOC only.		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Analytical Report Lab Order 1310E88

Date Reported: 11/8/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience			Client Sampl	e ID: M	W-37	
Project: Largo CS			Collection 1	Date: 10/	29/2013 9:40:00 AM	
Lab ID: 1310E88-002	Matrix:	AQUEOUS	Received 1	Date: 10/	/31/2013 10:00:00 AM	1
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E				Analyst	BCN
Diesel Range Organics (DRO)	7.7	1.0	mg/L	1	11/1/2013 3:09:41 PM	10125
Surr: DNOP	109	70.1-140	%REC	1	11/1/2013 3:09:41 PM	10125
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	10	2.5	mg/L	50	11/1/2013 5:01:40 PM	R14530
Surr: BFB	113	51.5-151	%REC	50	11/1/2013 5:01:40 PM	R14530
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	580	50	µg/L	50	11/1/2013 5:01:40 PM	R14530
Toluene	170	50	µg/L	50	11/1/2013 5:01:40 PM	R14530
Ethylbenzene	150	50	µg/L	50	11/1/2013 5:01:40 PM	R14530
Xylenes, Total	610	100	µg/L	50	11/1/2013 5:01:40 PM	R14530
Surr: 4-Bromofluorobenzene	107	85-136	%REC	50	11/1/2013 5:01:40 PM	R14530

Qualifiers:	*	* Value exceeds Maximum Contaminant Level.		Analyte detected in the associated Method Blank				
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded				
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 2	ofg			
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.				
	R RPD outside accepted recovery limits		RL					
	S	Spike Recovery outside accepted recovery limits						

Hall Environmental Analysis Laboratory, Inc.

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Analytical Report Lab Order 1310E88 Date Reported: 11/8/2013

CLIENT: Southwest Geoscience			Client Sampl	e ID: M	W-48	
Project: Largo CS			Collection]	Date: 10	/29/2013 11:25:00 AM	[
Lab ID: 1310E88-003	Matrix:	AQUEOUS	S Received	Date: 10	/31/2013 10:00:00 AM	[
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E				Analyst	BCN
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	11/1/2013 4:43:08 PM	10125
Surr: DNOP	119	70.1-140	%REC	1	11/1/2013 4:43:08 PM	10125
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	0.87	0.25	mg/L	5	11/1/2013 6:32:20 PM	R14530
Surr: BFB	118	51.5-151	%REC	5	11/1/2013 6:32:20 PM	R14530
EPA METHOD 8021B: VOLATILES					Analyst	: NSB

Sur Di D	110	01.0 101	701 41 0	•	11112010 0.02.201 14	1111000
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	67	5.0	µg/L	5	11/1/2013 6:32:20 PM	R14530
Toluene	ND	5.0	µg/L	5	11/1/2013 6:32:20 PM	R14530
Ethylbenzene	51	5.0	µg/L	5	11/1/2013 6:32:20 PM	R14530
Xylenes, Total	83	10	µg/L	5	11/1/2013 6:32:20 PM	R14530
Surr: 4-Bromofluorobenzene	116	85-136	%REC	5	11/1/2013 6:32:20 PM	R14530

Qualifiers:	*	Value exceeds Maximum Contaminant Level.		Analyte detected in the associated Method Blank			
	E	Value above quantitation range	н	Holding times for preparation or analysis exceeded			
	J Analyte detected below quantitation limitsO RSD is greater than RSDlimit		ND P	Not Detected at the Reporting Limit Page 3 of 8			
				Sample pH greater than 2 for VOA and TOC only.			
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit			
	S	Spike Recovery outside accepted recovery limits					

Analytical Report Lab Order 1310E88

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/8/2013

11/1/2013 9:03:11 PM

11/1/2013 9:03:11 PM

11/1/2013 9:03:11 PM

11/1/2013 9:03:11 PM R14530

11/1/2013 9:03:11 PM R14530

11/1/2013 9:03:11 PM R14530

R14530

R14530

R14530

Analyst: NSB

CLIENT: Southwest Geoscience		Client Sample ID: MW-52							
Project: Largo CS	Collection Date: 10/29/2013 1:50:00 PM								
Lab ID: 1310E88-004	Matrix:	AQUEOUS	Received	Date: 10	/31/2013 10:00:00 AM	[
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch			
EPA METHOD 8015D: DIESEL RANG)E				Analyst	BCN			
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	11/1/2013 5:14:20 PM	10125			
Surr: DNOP	111	70.1-140	%REC	1	11/1/2013 5:14:20 PM	10125			
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	11/1/2013 9:03:11 PM	R14530			

51.5-151

1.0

1.0

1.0

2.0

85-136

%REC

µg/L

µg/L

µg/L

µg/L

%REC

1

1

1

1

1

1

96.3

ND

ND

ND

ND

106

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank		
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded		
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 4 of 8		
	O RSD is greater than RSDlimit		Р	Sample pH greater than 2 for VOA and TOC only.		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

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Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1310E88 Date Reported: 11/8/2013

CLIENT:	Southwest Geoscience			C	lient Sampl	e ID: M	W-55	
Project:	Largo CS			_	Collection 1	Date: 10/	/29/2013 12:55:00 PM	
Lab ID:	1310E88-005	Matrix:	AQUEOU	S	Received	Date: 10/	/31/2013 10:00:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
	THOD 8015D: DIESEL RANG	E					Analyst	BCN
Diesel R	ange Organics (DRO)	ND	1.0		mg/L	1	11/1/2013 5:45:14 PM	10125
Surr:	DNOP	129	70.1-140		%REC	1	11/1/2013 5:45:14 PM	10125
EPA MET	THOD 8015D: GASOLINE RA	NGE					Analyst	NSB
Gasoline	Range Organics (GRO)	ND	0.050		mg/L	1	11/1/2013 9:33:22 PM	R14530
Surr:	BFB	95.4	51.5-151		%REC	1	11/1/2013 9:33:22 PM	R14530
EPA MET	THOD 8021B: VOLATILES						Analyst	NSB

EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	1.0	µg/L	1	11/1/2013 9:33:22 PM	R14530
Toluene	ND	1.0	µg/L	1	11/1/2013 9:33:22 PM	R14530
Ethylbenzene	1.4	1.0	µg/L	1	11/1/2013 9:33:22 PM	R14530
Xylenes, Total	ND	2.0	µg/L	1	11/1/2013 9:33:22 PM	R14530
Surr: 4-Bromofluorobenzene	104	85-136	%REC	1	11/1/2013 9:33:22 PM	R14530

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Bla	ank
	Е	Value above quantitation range	н	Holding times for preparation or analysis exce	eeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Dage 5 of 8
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC	only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

WO#: 1310E88

08-Nov-13

Client: Southw Project: Largo	vest Geoscience CS									
Sample ID LCS-10125	SampType	: LCS	Tes	tCode: El	PA Method	8015D: Diese	I Range			
Client ID: LCSW	Batch ID	: 10125	F	RunNo: 1	4513					
Prep Date: 10/31/2013	Analysis Date	: 11/1/2013	5	SeqNo: 4	17079	Units: mg/L				
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	3.8	1.0 5.000	0	75.3	73.3	145		and some of		
Surr: DNOP	0.38	0.5000		75.4	70.1	140				
Sample ID MB-10125	SampType	: MBLK	Tes	tCode: El	PA Method	8015D: Diese	Range			
Client ID: PBW	Batch ID	: 10125	F							
Prep Date: 10/31/2013	Analysis Date	: 11/1/2013	s	SeqNo: 4	17080	Units: ma/L				
Analyte			SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	1.0								
Surr: DNOP	1.0	1.000		104	70.1	140				
Sample ID LCSD-10125	SampType	: LCSD	Tes	tCode: El	PA Method	8015D: Diese	Range			
Client ID: LCSS02	Batch ID	: 10125	F	RunNo: 1	4513					
Prep Date: 10/31/2013	Analysis Date	: 11/1/2013	5	SeqNo: 4	17363	Units: mg/L				
Analyte	Result F	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	3.9	1.0 5.000	0	77.6	73.3	145	3.05	20		
Sur: DNOP	0.36	0.5000		72.3	70.1	140	0	0		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.

Page 6 of 8

RL Reporting Detection Limit

WO#:	1310E88

08-Nov-13

Client: Project:	Southwes Largo CS	t Geoscien	ice													
Sample ID	5ML RB	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	je						
Client ID:	PBW	Batch	ID: R1	4530	RunNo: 14530											
Prep Date:		Analysis D	ate: 1	1/1/2013	5	SeqNo: 4	17463	Units: mg/L								
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Range	e Organics (GRO)	ND	0.050			A CONTRACTOR OF		And of the other strengthe set			Lon and a					
Surr: BFB		19		20.00		95.0	51.5	151								
Sample ID	2.5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	je						
Client ID:	LCSW	Batch	ID: R1	4530	F	RunNo: 1	4530									
Prep Date:		Analysis D	ate: 1	1/1/2013	s	eqNo: 4	17464	Units: mg/L								
Analyte	A CONTRACTOR	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Range	e Organics (GRO)	0.50	0.050	0.5000	0	101	80	120								
Surr: BFB		20		20.00		101	51.5	151								
Sample ID	1310E88-001AMS	SampT	ype: MS	5	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	je						
Client ID:	MW-16	Batch	ID: R1	4530	F	RunNo: 1	4530									
Prep Date:		Analysis D	ate: 1	1/1/2013	s	eqNo: 4	17473	Units: mg/L								
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Range	e Organics (GRO)	0.56	0.050	0.5000	0.05220	102	67.7	128								
Sur: BFB		22		20.00		108	51.5	151	-							
Sample ID	1310E88-001AMS	D SampT	ype: MS	SD	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	le						
Client ID:	MW-16	Batch	ID: R1	4530	F	RunNo: 1	4530									
Prep Date:		Analysis D	ate: 1	1/1/2013	s	eqNo: 4	17474	Units: mg/L								
Analyte	Sec. 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Range	e Organics (GRO)	0.55	0.050	0.5000	0.05220	98.8	67.7	128	2.81	20						
Surr: BFB		22		20.00		109	51.5	151	0	0						

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.

Page 7 of 8

RL Reporting Detection Limit

WO#: 1310E88

08-Nov-13

Client: Project:	Southwest Largo CS	t Geoscier	nce														
Sample ID 5	ML RB	Samp	ype: MI	BLK	TestCode: EPA Method 8021B: Volatiles												
Client ID: F	BW	Batc	h ID: R1	4530	F	RunNo: 1	4530										
Prep Date:		Analysis D	Date: 1	1/1/2013	5	SeqNo: 4	17482	Units: µg/L									
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Benzene		ND	1.0			The state of the s											
Toluene		ND	1.0														
Ethylbenzene		ND	1.0														
Xylenes, Total		ND	2.0														
Surr: 4-Bromot	luorobenzene	21		20.00		105	85	136									
Sample ID 1	OONG BTEX LCS	SampT	ype: LC	s	TestCode: EPA Method 8021B: Volatiles												
Client ID: L	csw	Batc	h ID: R1	4530	RunNo: 14530												
Prep Date:		Analysis D	Date: 1	1/1/2013	5	SeqNo: 4	17483	Units: µg/L									
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Benzene		21	1.0	20.00	0	103	80	120									
Toluene		21	1.0	20.00	0	104	80	120									
Ethylbenzene		21	1.0	20.00	0	104	80	120									
Xylenes, Total		64	2.0	60.00	0	107	80	120									
Surr: 4-Bromot	luorobenzene	22		20.00		108	85	136									
Sample ID 1	310E88-002AMS	SampT	ype: MS	5	Tes	tCode: E	PA Method	8021B: Volat	iles								
Client ID: N	AW-37	Batc	1D: R1	4530	F	RunNo: 1	4530										
Prep Date:		Analysis D	Date: 1	1/1/2013	5	SeqNo: 4	17494	Units: µg/L									
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Benzene		1500	50	1000	580.5	95.5	73.4	119									
Toluene		1100	50	1000	166.0	97.1	80	120									
Ethylbenzene		1100	50	1000	150.3	98.3	80	120									
Xylenes, Total		3600	100	3000	612.8	98.6	80	120									
Surr: 4-Bromol	luorobenzene	1100	_	1000	_	108	85	136			1						
Sample ID 1	310E88-002AMSE	Samp1	ype: MS	SD	Tes	tCode: El	PA Method	8021B: Volat	iles								
Client ID: N	NW-37	Batc	h ID: R1	4530	F	RunNo: 1	4530										
Prep Date:		Analysis D	Date: 1	1/1/2013	e	SeqNo: 4	17495	Units: µg/L									
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Benzene		1600	50	1000	580.5	101	73.4	119	3.27	20							
Toluene		1200	50	1000	166.0	101	80	120	3.80	20							
Ethylbenzene		1200	50	1000	150.3	102	80	120	3.06	20							
Xylenes, Total		3700	100	3000	612.8	101	80	120	2.18	20							
Surr: 4-Bromot	luorobenzene	1000		1000		101	85	136	0	0							

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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- 0.00
- Limit

LABORATORY	Website: www.halle		al.com		
Client Name: Southwest Geoscience	Nork Order Number: 1	310E88		RcptNo: 1	
Received by/date	031/2013)			
ogged By: Ashley Gallegos 10	/31/2013 10:00:00 AM		AF		
	/31/2013 3:05:02 PM		A		
	1/01/13		140		
hain of Custody	<u></u>				
1. Custody seals intact on sample bottles?		Yes 🗌	No 🗆	Not Present	
2. Is Chain of Custody complete?		Yes 🗹	No 🗀	Not Present	
3. How was the sample delivered?		Courier			
<u>Log In</u>				· · · · □	
4. Was an attempt made to cool the samples?		Yes 🗹	No 🗌		
5. Were all samples received at a temperature of	>0° C to 6.0°C	Yes 🗹	No 🗌		
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		,ej
7. Sufficient sample volume for indicated test(s)?		Yes 🗹	No 🗌		
8. Are samples (except VOA and ONG) properly p	reserved?	Yes 🗹	No 🗆		
9. Was preservative added to bottles?		Yes 🗌	No 🗹		
10.VOA vials have zero headspace?		Yes	No 🗆	No VOA Vials 🗹	
11. Were any sample containers received broken?		Yes	No 🗹		
				# of preserved bottles checked	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	for pH:	12 unless note
13. Are matrices correctly identified on Chain of Cu	stody?	Yes 🔽	No 🗆	Adjusted?	
14. Is it clear what analyses were requested?		Yes 🗹	No 🗆		
15. Were all holding times able to be met?		Yes 🗹	No 🗆	Checked by:	
(If no, notify customer for authorization.)					
pecial Handling (if applicable)					
16. Was client notified of all discrepancies with this	order?	Yes 🗌	No 🗆		
Person Notified:	Date:			· · · · · · · · · · · · · · · · · · ·	
By Whom:	Via: [eMail	Phone Fax	In Person	
Regarding:	• • • • • •				
Client Instructions:	and the second second second		ala ala da a	Contraction of the state	
17. Additional remarks:		1	1.1 ¹⁰		

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																	CHA	AIN OF	CUSTODY RECOR
En Offic Proje	SOL GE vironmenta e Locatio ect Manag ler's Name	OSC 1 & Hydrog n AZT gerKyLC	EC EC		NCE onsultants /M MGRS	Laboratory: Address: Contact: A Phone: PO/SO #: Samples's Sign	4B 104 041	FRE	Emt				RE	ALYSIS QUESTEL					Lab use only Due Date: Temp. of coolers when received (C°): 1 2 3 4 5 Page of
Proj. I		~		ect Na					No/Ty	pe of C	Containe	ers		20	///	111	///		
O	11060 Date	Time	Com	Grab	Identifying M	arks of Sample(s)	Start	End	VOA	A/G 1LL	250 mi	P/0	872	TPH ROIS DA		///	//	Lab S	ample ID (Lab Use Only)
w	10-28-13	1650	p	X	mw-1	6	0,0	- 6	5				x	xt	+		11		88-001
W	10-29-13			X	mw -3				5				X	x					-002
•	10-29-13			Î	mw-4				5				x	x					-003
	10-29-17			X	MW-5	2			5				x	V					-004
	10-29-13			Ĩ	mw-5	5			5			-	Ł	۶ L					-005
Relin	uished by ((Signature)	-		Date: Date:	Time: Received States	ved by	(Signa (Signa	ature)	12	10 10	Date:	1	Time: 0624 Time: 1541 Time:	NOTES:				
Matrix Contai		(Signature) V - Wastewa A - 40 ml via	ter		Date: W - Water	Time: Receiv S - Soil SD - Sc Or Glass 1 Liter	lid	L - Liqui	d A Glass	- Air Bawide me	ag		Chan	Time:	SL - sludge	0 - 01			