



OXY USA WTP LP
A subsidiary of Occidental Petroleum Corporation

760 Horizon Drive, Suite 101
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February 11, 2011

Mr. Chris Canfield, P.G.
Environmental Protection Specialist, Northwest Region
Colorado Oil and Gas Conservation Commission
707 Wapiti Court, Suite 204
Rifle, Colorado 81650

Reference: 2010 Status Report, Conn Camp Release, COGCC Project 4620

Dear Mr. Canfield:

Attached is the report titled *2010 Status Report, Release Monitoring and Interim Remedial Actions, Oxy Cascade Creek 697-09-61 Well Pad (Conn Camp)*. It documents 2010 monitoring and remedial actions conducted by OXY USA WTP LP (Oxy) at the COGCC Project #4620 site. Sampling results are below the state surface water maximum contaminant levels (MCLs) for target compounds except for a total of five samples obtained from the three artificial trench locations, each of which slightly exceeded the benzene MCL. This indicates that the actions conducted at the site are effectively remediating the release.

Oxy proposes to continue quarterly monitoring at Map IDs 1, 2, 7, 10, 11, 12, 37, and 39_conf during 2011. Oxy also proposes to reclaim the remediation features during the summer of 2011 and move to a natural attenuation to closure. Reclamation will include removal of trench and dam structures, replacing and compacting soil in the trenches, management of wastes, restoring the drainage and landscape to original contours, and establishment of native vegetation.

Please indicate if COGCC concurs with this plan. If you need further information concerning the submittal or proposed actions, please contact me at 970.263.3628 or at Sean_Norris@oxy.com. Thank you for your time.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sean T. Norris".

Sean T. Norris
OXY USA WTP LP

cc: file

enclosures

**2010 STATUS REPORT
RELEASE MONITORING AND
INTERIM REMEDIAL ACTIONS
OXY CASCADE CREEK 697-09-61
WELL PAD (CONN CAMP)**

COGCC Project 4620

February 15, 2011

WALSH Project 900546.0009.010



Environmental Scientists and Engineers, LLC



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**2010 STATUS REPORT
RELEASE MONITORING AND
INTERIM REMEDIAL ACTIONS
OXY CASCADE CREEK
697-09-61 WELL PAD (CONN CAMP)**

February 15, 2011

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WALSH Project Number: 900546.0009.010

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ACRONYMS AND ABBREVIATIONS

amsl	above mean sea level
BTEX	benzene, toluene, ethylbenzene, xylene
CDPHE	Colorado Department of Public Health and Environment
COGCC	Colorado Oil and Gas Conservation Commission
DO	dissolved oxygen
MCL	Maximum Contaminant Level
mg/L	milligrams per liter
µg/L	micrograms per liter
ORC®	proprietary oxygen releasing compound from Regenesis Corporation
ORP	oxidation reduction potential
Oxy	OXY USA WTP LP
RegenOx®	proprietary chemical oxidizer from Regenesis Corporation
RL	reporting limit
Site	vicinity of the Conn Camp area
TDS	total dissolved solids
TVH	total volatile hydrocarbons
VOC	volatile organic compounds
well pad	Cascade Creek 697-09-61 Pad

EXECUTIVE SUMMARY

This 2010 status report was prepared by Walsh Environmental Scientists & Engineers, LLC on behalf of OXY USA WTP LP (Oxy) to document monitoring and interim remedial actions for a release that occurred at Oxy's Cascade Creek 697-09-61 well pad and adjacent unnamed drainage. The well pad is located in Section 9, Township 6 South, Range 97 West of the 6th Principal Meridian, Garfield County, Colorado. The well pad is situated east of an unnamed creek, and the release has extended to the creek. The area, known as Conn Camp, upon which the release occurred and surfaced are located entirely on property solely owned by Oxy.

During 2010, Oxy completed monitoring and remedial activities at the site, including:

- Surface water monitoring
- Maintenance of impoundments to capture and treat contamination
- Monitoring of impoundment water levels and condition
- Injection of oxidizing compounds to augment remediation

Benzene slightly exceeded the state surface water quality standard in a total of five samples obtained at three locations during 2010. The point of compliance location (creek confluence, Map ID 10) has never exceeded a surface water standard.

Hydrocarbon concentrations at locations previously indicating contamination have decreased by a factor of 5 to 20 fold since 2009. This demonstrates the overall efficacy of Oxy's remedial activities and there is no remaining significant contamination. In-situ chemical oxidation applications were completed four times during 2010.

Total dissolved solids (TDS) in samples collected at the site have exceeded the secondary drinking water standard of 500 mg/L at two locations (S1 and nearby S2 Trench locations, Map IDs 7 and 10, respectively) during April and May. The upstream samples continue to average around 290 mg/L TDS, and the downstream samples average 344 mg/L during 2010. The year to year TDS concentrations at sample points continued to decrease during 2010 and all have been below the secondary drinking water standard since June 2010.

2010 STATUS REPORT RELEASE MONITORING AND INTERIM REMEDIAL ACTIONS OXY CASCADE CREEK 697-09-61 WELL PAD (CONN CAMP)

1 INTRODUCTION

This 2010 Status Report has been prepared by Walsh Environmental Scientists & Engineers, LLC (Walsh) on behalf of OXY USA WTP LP (Oxy) to document release monitoring and interim remedial actions conducted during 2010. These activities are being conducted by Oxy in response to a release from an unlined reserve pit previously located at Oxy's Cascade Creek 697-09-61 well pad. The well pad is located in Section 9, Township 6 South, Range 97 West of the 6th Principal Meridian, Garfield County, Colorado (Figure 1, Appendix A). The well pad is situated east of an unnamed creek, and the release has extended to the unnamed creek near on Oxy property locally referred to as Conn Camp. The release location (site) includes the former reserve pit, the seeps in the unnamed creek, and surrounding areas encompassing a roughly triangular area that is less than 1,000 feet on a side.

This report summarizes Oxy's ongoing monitoring and interim remedial activities for 2010, as part of COGCC project 4620.

2 REMEDIAL AND MONITORING ACTIVITIES

The following sections describe the remedial activities conducted during 2010.

Monthly site visits were completed by Oxy personnel throughout 2010, to assess water flow conditions, and to collect field geochemical parameters and water samples for laboratory analysis. The integrity of water impoundments and water levels in the impoundments were also monitored to ensure the impoundments were capturing flow. By May 2010, access to all sampling locations was open, and site visits during the run-off period were made on a weekly to bi-weekly basis, to ensure containments were secure and adequately handling flow. Additional in-situ chemical oxidation compound product was injected at the release location during May, June, July, and August of 2010.

2.1 Water Monitoring

Monitoring of the site by Oxy personnel was ongoing for the duration of 2010. Removing water from the impoundments was not necessary since the impoundments never completely filled. Starting with the April sampling event, field parameters including temperature, pH, conductivity, dissolved oxygen, and reduction/oxidation potential were obtained during most sampling events. In addition, TDS was measured in the field using a Hanna™ model 3310 TDS meter for all

sampling events during the 2010 sampling event. The integrity of the impoundments was inspected weekly during spring runoff (April and May 2010).

A total of 12 monthly sampling events were conducted at the site during 2010. The sampling events were conducted on the following dates:

- 01/28/10
- 02/22/10
- 03/25/10
- 04/28/10
- 05/27/10
- 06/24/10
- 07/29/10
- 08/30/10
- 09/30/10
- 10/27/10
- 11/29/10
- 12/30/10

Samples were collected monthly by Oxy personnel from six to 13 locations. Locations where more than one sample was collected during 2010 are identified in the following table, along with their corresponding map identifiers. Based upon the location of the well pad, and the possible migration toward the east of the pad, springs and seeps located along the drainage to the east (East Unnamed Drainage; Figure 2) were included in several of the sampling events during 2009, labeled as “Core Spring” samples, and were monitored during 2010.

Dam 2 (Map ID #9), and the point of compliance location (Map ID #10), were sampled every month. They are respectively located on the west unnamed creek immediately upstream from its confluence with Cascade Canyon, and down gradient from the confluence (Figure 2).

2010 Sample Location Descriptions

MAP ID	Sample Location	Location Description
1	Upstream	Upgradient sample location (Background location)
1u	Upstream (Conn Camp)	Seep upgradient from Upstream location, west unnamed creek
2	North Trench	Trench intercepting northern seep from suspected release
4	Water Trough	Water Trough associated with ranching activities
7	S1 Trench	Trench 1 intercepting southern seep from suspected release
9	Dam 2	Lower dam in west unnamed creek
10	Point of Compliance	Confluence of west unnamed creek with Cascade Canyon
11	S2 Trench	Trench 2 intercepting southern seep from suspected release
12	Upstream, South Y	Cascade Creek upstream from west unnamed creek confluence
32	Latham Spring Pond	Constructed in-stream pond for Cattle near Conn Camp
37	Creek	West unnamed creek by S2 Trench impoundments
39_conf	East unnamed creek	Confluence of Core Springs A, B, and C

2.1.1 Water Quality Results

Petroleum hydrocarbons were detected in concentrations greater than the maximum contaminant level (MCL) for benzene at the North Trench, S1 Trench, and S2 Trench sampling locations (Map ID 2, 7, and 11, respectively) in the spring of 2010. Laboratory results are summarized in the tables presented in Appendix A, and the complete laboratory analytical results are included as Appendix B. Time-series graphs of contaminant concentrations at selected locations are also provided in Appendix A.

Analytical results indicate benzene concentrations at the North, S1, and S2 trenches (Map IDs 2, 7, and 11, respectively) exceeded the maximum contaminant level (MCL) of 0.005 mg/L. The benzene concentration at the North Trench exceeded the MCL during the April and May events, but was below the MCL during all other 2010 sampling events. Benzene concentrations at the S1 Trench exceeded the MCL during the April 2010 event and at the S2 Trench location during the April and October 2010 events. The concentrations at all three “trench” locations have decreased 5-fold to 20-fold year-over-year between 2009 and 2010. 2009 data are reported in the report titled *2009 Status Report - Release Monitoring And Interim Remedial Actions, Oxy Cascade Creek 697-09-61 Well Pad (Conn Camp)* prepared by Walsh.

The samples collected from Dam 2 and the confluence of the unnamed creek and Cascade Canyon, which is the site’s point of compliance (Map IDs 9 and 10, respectively), were below the laboratory detection limits for BTEX for all 2010 sampling events. No hydrocarbons were reported in the samples collected from the upstream locations (Map ID 1 and 1u) during 2010. Samples collected from the unnamed creek east of the release (Map ID 39_conf) reported benzene at concentrations below MCL.

Total dissolved solids (TDS) results for samples collected at the site generally were below the secondary drinking water standard of 500 mg/L. The year to year average TDS concentration decreased as shown:

- 423 mg/L in 2009 to 350 mg/L in 2010 at the North Trench (Map ID 2);
- 479 mg/L in 2009 to 397 mg/L in 2010 at the S1 Trench (Map ID 7);
- 533 mg/L in 2009 to 470 mg/L in 2010 at S2 Trench (Map ID 11);
- 522 mg/L in 2009 to 408 mg/L in 2010 at Dam 2 (Map ID 9).

The only 2010 TDS concentrations exceeding 500 mg/L were found at the S1 and S2 trenches. TDS concentrations at these two sites had three readings above 500 mg/L in April-May, and all other readings were below this threshold. (Appendix A). Thus, in the second half of 2010 all readings were below 500 mg/L.

2.2 In-Situ Chemical Oxidation Applications

RegenOx[®], a proprietary in-situ chemical oxidation compound manufactured by Regenesis, was applied in the vicinity of the former pit on the well pad in May, June, July, and August 2010. Approximately 500 pounds of RegenOx[®] mixed into 1140 gallons water were applied by Oxy personnel during each of the four events. The applications were completed according to the following schedule:

2010 Chemical Oxidation Compound Application Schedule

Injection number	Total pounds of RegenOx	Water needed (gallons)	Date
9	500	1140	Completed 5/24/10
10	500	1140	Completed 6/22/10
11	500	1140	Completed 7/20/10
12	500	1140	Completed 8/18/10

The in-situ chemical oxidation compound was placed into a partially-buried pipe that was situated under the lined production pit in the vicinity of the release. The pipe readily accepted solutions indicating successful infiltration of the solution into the release area.

3 DISPOSAL OF REMEDIATION-DERIVED WASTE

Oxy installed approximately 175 hay bales on June 16, 2008 in and along the unnamed tributary to Cascade Creek in order to mitigate the impacts associated with the release. The hay bales were left in place to serve as barriers to impede further migration of contaminants. During the summer of 2010, Oxy observed many of the hay bales were beginning to decompose. Oxy prepared a work plan for carefully removing the hay bales in a manner that would minimize impacts to surface water quality. Oxy prepared a waste profile and submitted the profile to Republic Services, Inc. for disposal approval. The waste profile was approved for disposing the hay bales at the ECDC Environmental landfill in East Carbon County, Utah, as special waste.

Oxy prepared a collection basin downstream from the bales prior to any disturbance. Fresh bales and sorbent booms were placed in the collection basin, the stream, and immediately below the old existing bales as a precautionary measure to absorb any condensate that could potentially be released as a result of upstream bale removal.

Oxy began removal of the hay bales closest to the constructed temporary collection basin and gradually continued upstream from the collection basin, removing the old hay bales and replacing bales at critical locations. The bales were removed and placed in large trash bags, and loaded directly into a roll off for transport to the disposal facility.

The collection basin was left in place until all of the old bales were removed. No indications of significant impacts, such as discolored or stained liquids, strong hydrocarbon odors, or free product (condensate) were observed during the removal activities. Once removal along the creek was completed, the temporary sorbent booms and hay bales in the collection basin were also removed and hauled to the waste transport, allowing the creek to return to its natural flow. The November 30, 2010 point of compliance sample indicated that bale removal resulted in no measurable impact to the unnamed stream.

The bales were hauled by Western Colorado Waste to the ECDC Landfill in Emery County, Utah for disposal. A copy of the waste disposal profile, waste acceptance form, and the disposal manifest are provided as Appendix C.

4 CONCLUSIONS

The concentrations of benzene and TDS detected in the water samples collected from the 697-09-61 Pad vicinity continue to decrease and are now below their maximum contaminant levels during most sampling events. The 5- to 20-fold reduction in hydrocarbon concentrations since 2009 indicates the overall efficacy of Oxy's remedial activities. Water samples from the point of compliance sampling location have never exceeded Colorado surface water standards.

Appendix A – Figures, Tables, and Graphs



Figure 1 - Vicinity Map
OXY Conn Camp #697-09-61 Well Pad

1 inch equals 2,000 feet
Garfield County, Colorado

0 1,000 2,000 3,000 Feet

Site

Legend

-  Existing Pad Boundary
-  Existing OXY Access Road

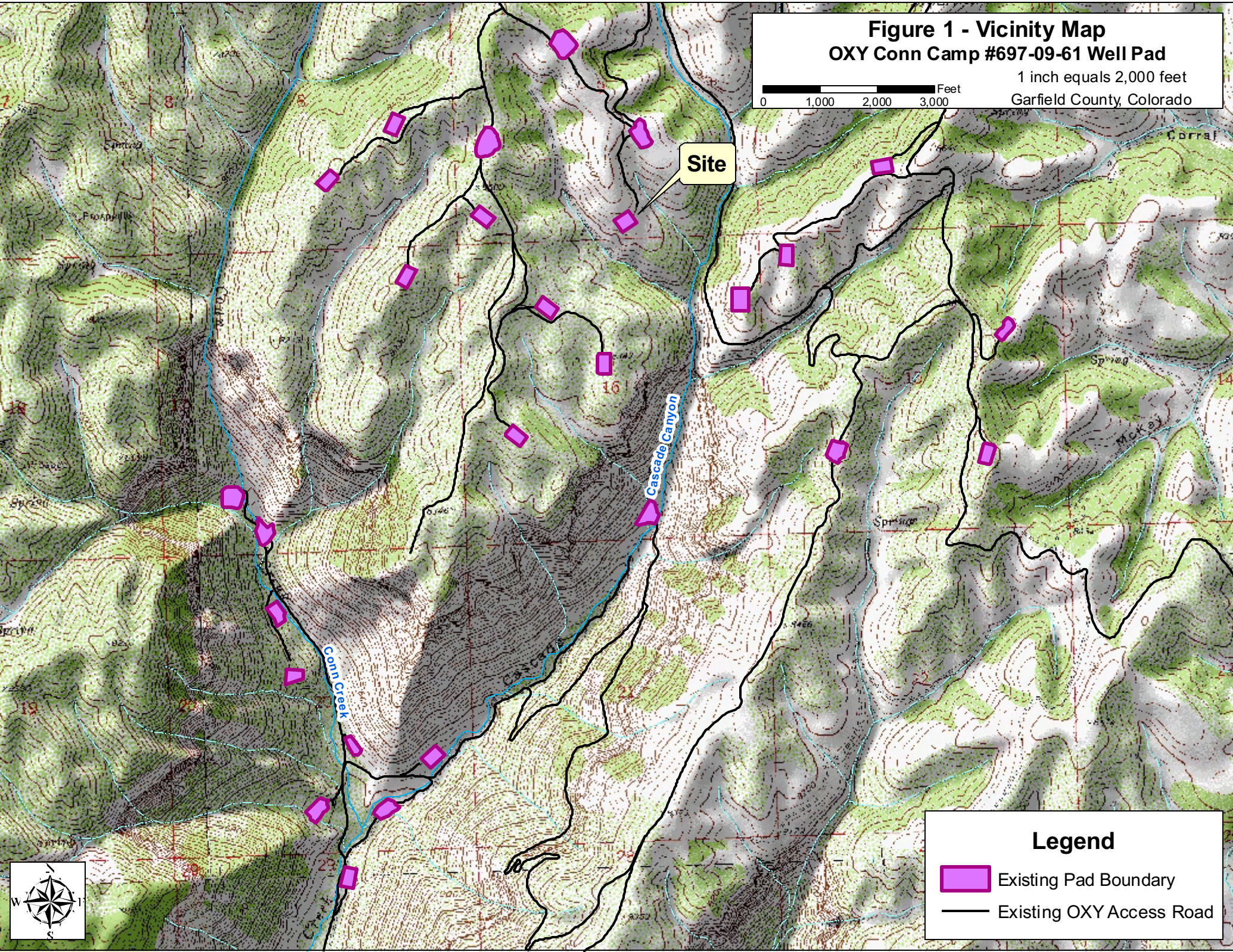


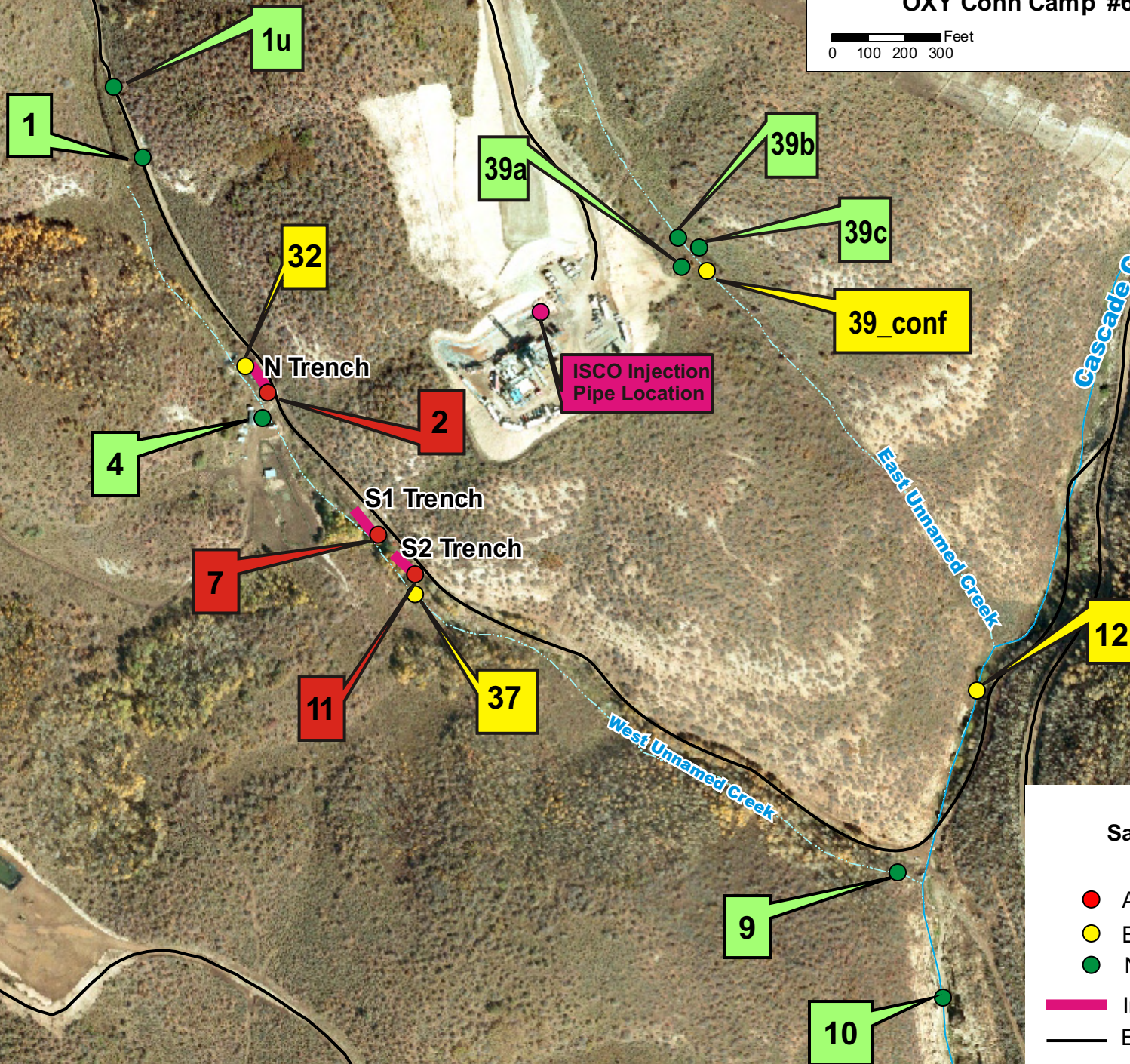
Figure 2 - Sampling Location Map

OXY Conn Camp #697-09-61 Well Pad

0 100 200 300 Feet

1 inch equals 400 feet

Garfield County, Colorado



Legend

**Sample Locations
2010 Results**

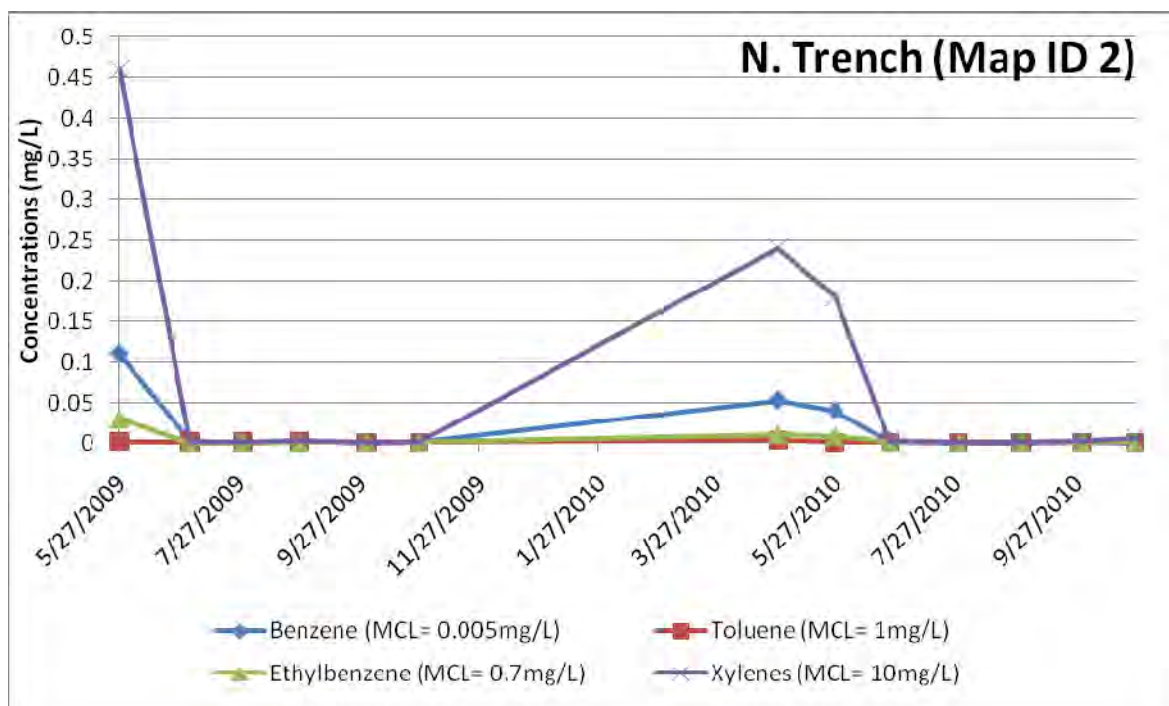
- Above MCL
- Below MCL
- No Detection

- Impoundment Location
- Existing OXY Access Road

2010 Water Sample Results, 697-09-61 Release

N. Trench (Map ID #2)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
4/28/2010	0.053	0.0035	0.011	0.24	1.6	352
5/27/2010	0.040	<0.00021	0.0082	0.18	1.4	460
6/24/2010	0.0015	<0.00021	0.00043	0.0032	<0.040	327
7/29/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	318
8/30/2010	0.00014	<0.00021	<0.00021	<0.00043	<0.040	328
9/30/2010	0.00043	<0.00021	0.00039	0.0019	<0.040	349
10/27/2010	<0.00013	<0.00021	0.00074	0.0053	<0.040	318
Average TDS Concentration						350

Notes: Sample results presented in **Bold** indicate the Maximum Contaminant Level for water was exceeded
MCL CDPHE Maximum Contaminant Level - [Regulation 31- The Basic Standards and Methodologies for Surface Water](#)
mg/L Milligram per liter
TVH Total Volatile Hydrocarbons
TDS Total Dissolved Solids – measured in field except 5/27/10 sample measured by lab
*The MCL for TDS is the Colorado secondary drinking water standard and is not directly applicable.

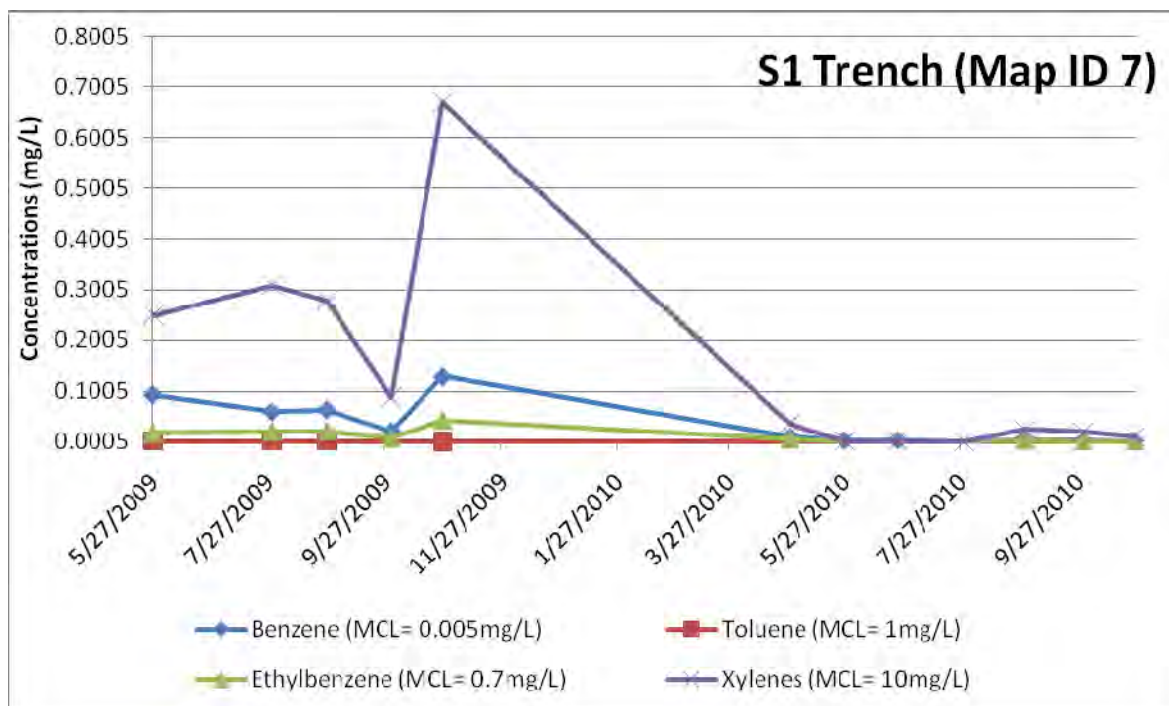


2010 Water Sample Results (mg/L), 697-09-61 Release

S1 Trench (Map ID #7)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
4/28/2010	0.0097	<0.00021	0.0048	0.037	0.25	433
5/27/2010	0.0023	<0.00021	<0.00021	0.0015	<0.040	520
6/24/2010	0.0028	<0.00021	<0.00021	0.0016	<0.040	370
7/29/2010	<0.00013	<0.00021	<0.00021	0.00064	<0.040	341
8/30/2010	0.0041	<0.00021	0.0029	0.025	<0.040	360
9/30/2010	0.0023	<0.00021	0.0018	0.02	<0.040	390
10/27/2010	0.0016	<0.00021	0.0015	0.01	<0.040	364
Average TDS Concentration						397

Notes: Sample results presented in **Bold** indicate the Maximum Contaminant Level for water was exceeded
MCL CDPHE Maximum Contaminant Level - [Regulation 31- The Basic Standards and Methodologies for Surface Water](#)
mg/L Milligram per liter
TVH Total Volatile Hydrocarbons
TDS Total Dissolved Solids – measured in field except 5/27/10 sample measured by lab

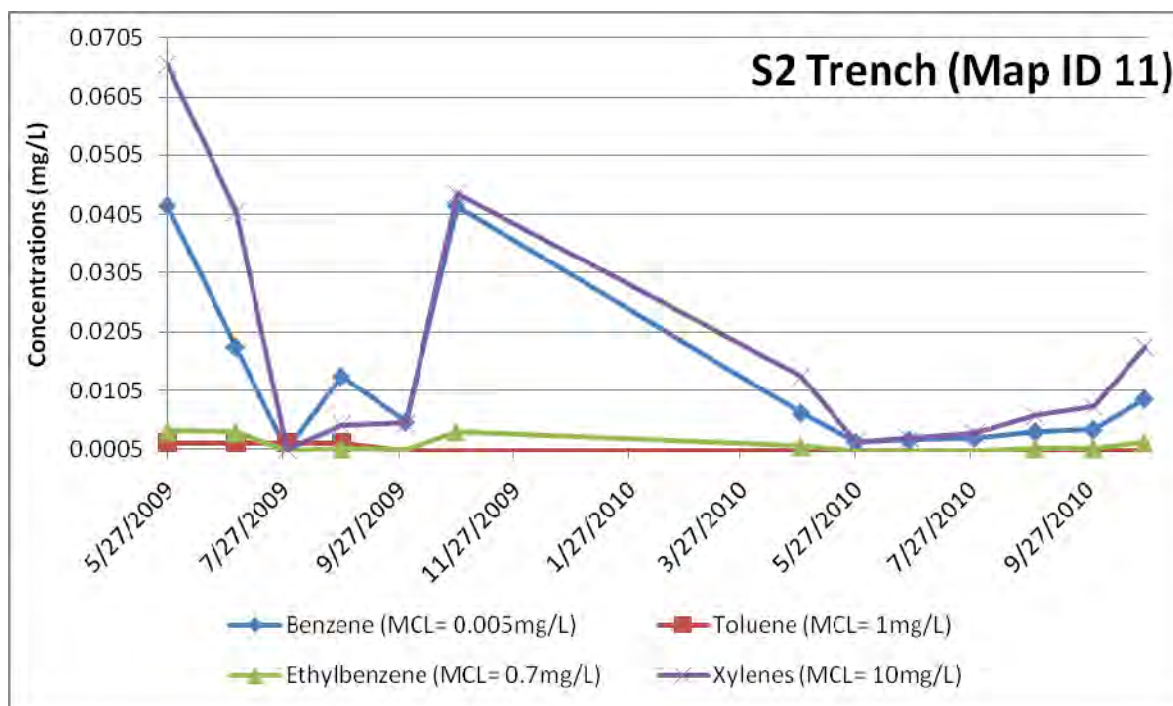
*The MCL for TDS is the Colorado secondary drinking water standard and is not directly applicable.



2010 Water Sample Results (mg/L), 697-09-61 Release

S2 Trench (Map ID #11)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
4/28/2010	0.0067	<0.00021	0.0010	0.013	<0.040	530
5/27/2010	0.0018	<0.00021	0.00023	0.0018	<0.040	630
6/24/2010	0.0021	<0.00021	<0.00021	0.0023	<0.040	466
7/29/2010	0.0025	<0.00021	<0.00021	0.0032	<0.040	430
8/30/2010	0.0035	<0.00021	0.00072	0.0062	<0.040	399
9/30/2010	0.0039	<0.00021	0.00074	0.0077	<0.040	436
10/27/2010	0.0091	<0.00021	0.0017	0.018	0.14	397
Average TDS Concentration						470

Notes: Sample results presented in **Bold** indicate the Maximum Contaminant Level for water was exceeded
MCL CDPHE Maximum Contaminant Level - [Regulation 31- The Basic Standards and Methodologies for Surface Water](#)
mg/L Milligram per liter
TVH Total Volatile Hydrocarbons
TDS Total Dissolved Solids – measured in field except 5/27/10 sample measured by lab
*The MCL for TDS is the Colorado secondary drinking water standard and is not directly applicable.



2010 Water Sample Results (mg/L), 697-09-61 Release

Upstream (Map ID #1)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
4/28/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	290
5/27/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	380
Upstream (Conn Camp) (Map ID #1u)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
4/28/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	244
6/24/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	293
7/29/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	302
8/30/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	292
9/30/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	325
Average TDS Concentration, all Upstream samples						291

Water Trough (Map ID #4)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
1/28/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	NA
2/22/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	345
3/25/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	347
4/28/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	268
5/27/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	262
6/24/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	290
8/30/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	298
9/30/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	306
10/27/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	313
11/29/2010	<0.00013	<0.00021	<0.00021	0.00083	<0.040	324

Dam #2 (Map ID #9)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
4/28/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	358
5/27/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	440
6/24/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	404
7/29/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	368
8/30/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	392
9/30/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	412
10/27/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	483
Average TDS Concentration						408

Point of Compliance (Map ID #10)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
1/28/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	NA
2/22/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	262
3/25/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	313
4/28/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	260
5/27/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	260
6/24/2010	<0.00013	<0.00021	<0.00021	0.00043	<0.040	295
7/29/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	310
8/30/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	274
9/30/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	310
10/27/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	297
11/29/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	335
Average TDS Concentration						292

Upstream, South Y (MAP ID #12)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
1/28/2010	0.00019	0.00024	<0.00021	0.0012	<0.040	NA
2/22/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	314
3/25/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	300
4/28/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	256
5/27/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	255
6/25/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	291
7/29/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	288
8/30/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	265
9/30/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	293
10/27/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	274
11/29/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	315
12/30/2010	<0.00013	0.00023	<0.00021	<0.00043	<0.040	

Latham Spring Pond (Map ID #32)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
4/28/2010	0.0019	0.00027	0.0011	0.0061	<0.040	266
5/27/2010	0.00086	<0.00021	0.0012	0.0053	<0.040	272
6/24/2010	0.00069	<0.00021	0.0011	0.0037	<0.040	276
7/29/2010	0.0021	<0.00021	0.0023	0.013	0.23	322
8/30/2010	0.002	0.00038	0.0021	0.008	<0.040	293
9/30/2010	0.00096	0.00026	0.00061	0.0025	<0.040	296
10/27/2010	0.0017	<0.00021	0.001	0.0061	0.24	295

Creek (Location 37)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
3/25/2010	0.0049	<0.00021	0.0012	0.0091	<0.040	373
4/28/2010	0.0025	<0.00021	0.0011	0.013	<0.040	286
5/27/2010	0.0026	<0.00021	0.0013	0.0083	<0.040	245
6/24/2010	0.0016	<0.00021	0.00043	0.0032	<0.040	319
7/29/2010	0.00087	<0.00021	<0.00021	0.0016	<0.040	350
8/30/2010	0.00049	<0.00021	<0.00021	0.00080	<0.040	348
9/30/2010	0.00016	<0.00021	<0.00021	<0.00043	<0.040	360
10/27/2010	0.00068	<0.00021	<0.00021	0.0013	<0.040	341
11/29/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	311

Core Spring A (Map ID #39a)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
4/16/2009	<0.00016	<0.0016	<0.00016	0.0025	<0.033	288
4/30/2009	<0.00016	<0.0016	<0.00016	0.00059	0.034	320
4/28/2010	<0.00013	0.00027	<0.00021	<0.00043	<0.040	260

Core Spring B (Map ID #39b)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
4/16/2009	<0.00016	<0.0016	<0.00016	<0.0050	<0.033	318
4/30/2009	<0.00016	<0.0016	<0.00016	<0.0050	<0.033	265
5/12/2009	0.0021	<0.0016	0.0024	0.013	0.24	325
4/28/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	243

Core Spring C (Map ID #39c)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
4/30/2009	<0.00016	<0.0016	<0.00016	<0.0050	<0.033	315
5/12/2009	0.00024	<0.00016	0.00026	0.001	0.059	270
11/24/2009	0.00041	<0.00021	<0.00021	0.00062	<0.040	296
4/28/2010	<0.00013	<0.00021	<0.00021	<0.00043	<0.040	314

East Unnamed Creek (Core Springs confluence) (Map ID #39_conf)						
Date	Benzene (MCL= 0.005 mg/L)	Toluene (MCL= 1mg/L)	Ethylbenzene (MCL= 0.7mg/L)	Total Xylenes (MCL= 10 mg/L)	TVH (No MCL)	TDS (*MCL= 500 mg/L)
5/27/2010	0.002	0.00022	0.0019	0.012	0.076	260
6/24/2010	0.003	<0.00021	0.0025	0.012	0.26	268
7/29/2010	0.0046	0.0012	0.0045	0.017	0.52	329
8/30/2010	0.0048	0.00046	0.0045	0.021	0.14	292
9/30/2010	0.0038	0.00098	0.0036	0.014	0.11	297
10/27/2010	0.0018	<0.00021	0.0011	0.0041	0.14	280

Notes: Sample results presented in **Bold** indicate the Maximum Contaminant Level for water was exceeded
MCL CDPHE Maximum Contaminant Level - [Regulation 31- The Basic Standards and Methodologies for Surface Water](#)
mg/L Milligram per liter
TVH Total Volatile Hydrocarbons
TDS Total Dissolved Solids – measured in field

*The MCL for TDS is the Colorado secondary drinking water standard and is not directly applicable.

Appendix B – Laboratory Analytical Data



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Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101

Grand Junction, CO 81506

Report Summary

Thursday February 04, 2010

Report Number: L442751

Samples Received: 01/30/10

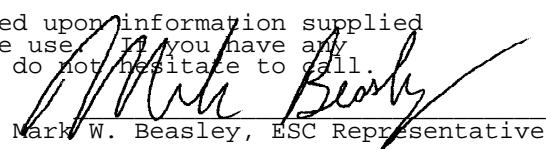
Client Project: 09-61

Description: 09-61

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Laboratory Certification Numbers


Mark W. Beasley, ESC Representative

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

3 Samples Reported: 02/04/10 11:49 Printed: 02/04/10 11:49

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

February 04, 2010

Date Received : January 30, 2010
Description : 09-61

Sample ID : 4 WATER TROUGH

Collected By : Brett Kennedy
Collection Date : 01/28/10 10:50

ESC Sample # : L442751-01

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	02/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	02/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	02/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	02/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	02/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.1			% Rec.		8021/80	02/02/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	02/02/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

February 04, 2010

Date Received : January 30, 2010
Description : 09-61

Sample ID : 10 CONFLUENCE

Collected By : Brett Kennedy
Collection Date : 01/28/10 11:15

ESC Sample # : L442751-02

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	02/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	02/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	02/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	02/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	02/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.5			% Rec.		8021/80	02/02/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	02/02/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

February 04, 2010

Date Received : January 30, 2010
Description : 09-61

Sample ID : 12 UPSTREAM SOUTH Y

Collected By : Brett Kennedy
Collection Date : 01/28/10 11:22

ESC Sample # : L442751-03

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.00019	0.00013	0.00050	mg/l	J	8021/80	02/02/10	1
Toluene	0.00024	0.00021	0.0050	mg/l	J	8021/80	02/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	02/02/10	1
Total Xylene	0.0012	0.00043	0.0015	mg/l	J	8021/80	02/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	02/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.1			% Rec.		8021/80	02/02/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	02/02/10	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L442751-03	WG461373	SAMP	Benzene	R1100008	J
	WG461373	SAMP	Toluene	R1100008	J
	WG461373	SAMP	Total Xylene	R1100008	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
02/04/10 at 11:49:38

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L442751-01 Account: OXYWTPGJCO Received: 01/30/10 17:15 Due Date: 02/05/10 00:00 RPT Date: 02/04/10 11:49

Sample: L442751-02 Account: OXYWTPGJCO Received: 01/30/10 17:15 Due Date: 02/05/10 00:00 RPT Date: 02/04/10 11:49

Sample: L442751-03 Account: OXYWTPGJCO Received: 01/30/10 17:15 Due Date: 02/05/10 00:00 RPT Date: 02/04/10 11:49

Company Name/Address: Oxy USA WTP LP - Grand Junction, CO 760 Horizon Dr.. Ste. 101 Grand Junction, CO 81506			Alternate billing information:			Analysis/Container/Preservative			Chain of Custody Page <u>1</u> of <u>1</u> A002 ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859		
Report to: <u>Brett Kennedy</u>			Email to: <u>brett.kennedy@oxy.com</u>								
Project Description: <u>09-61</u>			City/State Collected: <u> </u>								
Phone: (970) 263-3601		Client Project #: <u> </u>		ESC Key: <u> </u>							
FAX: (970) 201-2305											
Collected by: <u>Brett Kennedy</u>		Site/Facility ID#: <u> </u>		P.O.#: <u> </u>							
Collected by (signature): <u>Brett Kennedy</u>		<input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified) <u> </u> Same Day..... 200% <u> </u> Next Day..... 100% <u> </u> Two Day..... 50% <u> </u> Three Day..... 25%		Date Results Needed: Email? <u> </u> No <u> </u> Yes FAX? <u> </u> No <u> </u> Yes		No. of Cntrs					
Immediately Packed on Ice N <u> </u> Y <u> </u>											
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time						
#4 Water Trough	grab	SW	0-6"	01/18/10	1050	2	✓				
#10 Confluence	↓	↓	↓	↓	1115	2	✓				
#12 Upstream South Y	↓	↓	↓	↓	1122	2	✓				

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other SW pH Temp
 Remarks: surface water Flow Other

Relinquished by (Signature): <u>Brett Kennedy</u>	Date: <u>01/19/10</u>	Time: <u> </u>	Received by (Signature): <u> </u>	Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> <u> </u>	Condition: <u> </u> (lab use only)
Relinquished by (Signature): <u> </u>	Date: <u> </u>	Time: <u> </u>	Received by (Signature): <u> </u>	Temp: <u>31°C</u>	Bottles Received: <u>6</u>
Relinquished by (Signature): <u> </u>	Date: <u> </u>	Time: <u> </u>	Received for lab by (Signature): <u> </u>	Date: <u> </u>	Time: <u>17:15</u>
				pH Checked: <u> </u>	NCF: <u> </u>

8688-6671-1083



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Est. 1970

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101

Grand Junction, CO 81506

Report Summary

Monday March 01, 2010

Report Number: L446340

Samples Received: 02/24/10

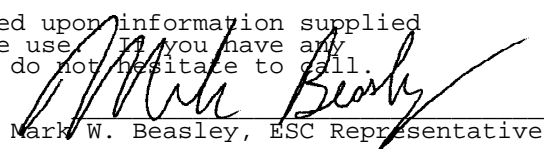
Client Project:

Description: 09-61

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Laboratory Certification Numbers


Mark W. Beasley, ESC Representative

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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3 Samples Reported: 03/01/10 10:17 Printed: 03/01/10 10:17

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

March 01, 2010

Date Received : February 24, 2010
Description : 09-61

Sample ID : 4 WATER TROUGH 0-6 IN

Collected By : Brett Kennedy
Collection Date : 02/22/10 11:00

ESC Sample # : L446340-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	02/26/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	02/26/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	02/26/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	02/26/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	02/26/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	92.6			% Rec.		8021/80	02/26/10	1
a,a,a-Trifluorotoluene(PID)	95.0			% Rec.		8021/80	02/26/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

March 01, 2010

Date Received : February 24, 2010
Description : 09-61

Sample ID : 10 CONFLUENCE 0-6 IN

Collected By : Brett Kennedy
Collection Date : 02/22/10 11:30

ESC Sample # : L446340-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	02/26/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	02/26/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	02/26/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	02/26/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	02/26/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	93.9			% Rec.		8021/80	02/26/10	1
a,a,a-Trifluorotoluene(PID)	95.9			% Rec.		8021/80	02/26/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

March 01, 2010

Date Received : February 24, 2010
Description : 09-61

ESC Sample # : L446340-03

Sample ID : 12 UPSTREAM SOUTH Y 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 02/22/10 11:41

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	02/26/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	02/26/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	02/26/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	02/26/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	02/26/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	92.6			% Rec.		8021/80	02/26/10	1
a,a,a-Trifluorotoluene(PID)	95.1			% Rec.		8021/80	02/26/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 03/01/10 10:17 Printed: 03/01/10 10:17

Summary of Remarks For Samples Printed
03/01/10 at 10:17:41

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L446340-01 Account: OXYWTPGJCO Received: 02/24/10 09:00 Due Date: 03/03/10 00:00 RPT Date: 03/01/10 10:17

Sample: L446340-02 Account: OXYWTPGJCO Received: 02/24/10 09:00 Due Date: 03/03/10 00:00 RPT Date: 03/01/10 10:17

Sample: L446340-03 Account: OXYWTPGJCO Received: 02/24/10 09:00 Due Date: 03/03/10 00:00 RPT Date: 03/01/10 10:17

Company Name/Address: Oxy USA WTP LP - Grand Junction, CO 760 Horizon Dr., Ste. 101 Grand Junction, CO 81506			Alternate billing information:			Analysis/Container/Preservative			Chain of Custody Page 1 of 1 Prepared by: F113 ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859				
Report to: Brett Kennedy			Email to: brett.kennedy@oxy.com										
Project Description: 09-61			City/State Collected: -										
Phone: (970) 263-3601		Client Project #: -		ESC Key: -									
FAX: (970) 201-2305													
Collected by: Brett Kennedy		Site/Facility ID#: -		P.O #: -									
Collected by (signature): Brett Kennedy Immediately Packed on Ice N <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/>		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day.....200% <input type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input type="checkbox"/> Three Day.....25%		Date Results Needed: Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		No. of Cntrs: 16					CoCode: OXYWTPGJ (lab use only) Template/Prelogin Shipped Via:		
Sample ID		Comp/Grab	Matrix*	Depth	Date	Time						Remarks/Contaminant	Sample # (lab only)
#4 Water Trough		Grab	GW	0-6"	01/22/10	1100	KD	12					L446340-01
#10 Confluence		↓	↓	↓	↓	1130	KD	12					02
#12 Lys Stream South Y		↓	↓	↓	↓	1141	KD	12					03

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other **SW** pH _____ Temp _____

Remarks: **surface water** Flow _____ Other _____

Relinquished by: (Signature) Brett Kennedy		Date: 01/23/10	Time: 1612	Received by: (Signature) [Signature]		Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier		Condition: (lab use only) OK	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: 3.9°		Bottles Received: 6	
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) [Signature]		Date: 2-24-10		Time: 09:00	
								CoC Seals Intact <input type="checkbox"/> Y <input checked="" type="checkbox"/> N NA	
								pH Checked: NCF:	



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Est. 1970

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Thursday April 01, 2010

Report Number: L451410

Samples Received: 03/27/10

Client Project: 09-61

Description:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

April 01, 2010

Date Received : March 27, 2010
Description :

Sample ID : 4 WATER TROUGH

Collected By : Brett Kennedy
Collection Date : 03/25/10 11:25

ESC Sample # : L451410-01

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	03/31/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	03/31/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	03/31/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	03/31/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	03/31/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.6			% Rec.		8021/80	03/31/10	1
a,a,a-Trifluorotoluene(PID)	100.			% Rec.		8021/80	03/31/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

April 01, 2010

Date Received : March 27, 2010
Description :

Sample ID : 37 CREEK

Collected By : Brett Kennedy
Collection Date : 03/25/10 11:40

ESC Sample # : L451410-02

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0049	0.00013	0.00050	mg/l		8021/80	03/31/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	03/31/10	1
Ethylbenzene	0.0012	0.00021	0.00050	mg/l		8021/80	03/31/10	1
Total Xylene	0.0091	0.00043	0.0015	mg/l		8021/80	03/31/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	03/31/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	100.			% Rec.		8021/80	03/31/10	1
a,a,a-Trifluorotoluene(PID)	100.			% Rec.		8021/80	03/31/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

April 01, 2010

Date Received : March 27, 2010
Description :

Sample ID : 10 CONFLUENCE

Collected By : Brett Kennedy
Collection Date : 03/25/10 11:58

ESC Sample # : L451410-03

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	03/31/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	03/31/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	03/31/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	03/31/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	03/31/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.3			% Rec.		8021/80	03/31/10	1
a,a,a-Trifluorotoluene(PID)	100.			% Rec.		8021/80	03/31/10	1

U = ND (Not Detected)

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RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

April 01, 2010

Date Received : March 27, 2010
Description :

Sample ID : 12 UPSTREAM SOUTH Y

Collected By : Brett Kennedy
Collection Date : 03/25/10 12:05

ESC Sample # : L451410-04

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	03/31/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	03/31/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	03/31/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	03/31/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	03/31/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.4			% Rec.		8021/80	03/31/10	1
a,a,a-Trifluorotoluene(PID)	100.			% Rec.		8021/80	03/31/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

April 01, 2010

Date Received : March 27, 2010
Description :
Sample ID : 10U SEEP UPGRADIENT OF 10
Collected By : Brett Kennedy
Collection Date : 03/25/10 12:11

ESC Sample # : L451410-05

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	03/31/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	03/31/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	03/31/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	03/31/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	03/31/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.4			% Rec.		8021/80	03/31/10	1
a,a,a-Trifluorotoluene(PID)	100.			% Rec.		8021/80	03/31/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 04/01/10 14:33 Printed: 04/01/10 14:34

Summary of Remarks For Samples Printed
04/01/10 at 14:34:17

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L451410-01 Account: OXYWTPGJCO Received: 03/27/10 09:00 Due Date: 04/02/10 00:00 RPT Date: 04/01/10 14:33
Sample: L451410-02 Account: OXYWTPGJCO Received: 03/27/10 09:00 Due Date: 04/02/10 00:00 RPT Date: 04/01/10 14:33
Sample: L451410-03 Account: OXYWTPGJCO Received: 03/27/10 09:00 Due Date: 04/02/10 00:00 RPT Date: 04/01/10 14:33
Sample: L451410-04 Account: OXYWTPGJCO Received: 03/27/10 09:00 Due Date: 04/02/10 00:00 RPT Date: 04/01/10 14:33
Sample: L451410-05 Account: OXYWTPGJCO Received: 03/27/10 09:00 Due Date: 04/02/10 00:00 RPT Date: 04/01/10 14:33

Company Name/Address: Oxy USA WTP LP - Grand Junction, CO 760 Horizon Dr., Ste. 101 Grand Junction, CO 81506			Alternate billing information:			Analysis/Container/Preservative			Chain of Custody Page <u>1</u> of <u>1</u> A239 ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859		
Report to: <u>Brett Kennedy</u>			Email to: <u>brett.kennedy@oxy.com</u>								
Project Description: <u>09-61</u>			City/State Collected: <u> </u>								
Phone: (970) 263-3601		Client Project #:		ESC Key:							
FAX: (970) 201-2305											
Collected by: <u>Brett Kennedy</u>		Site/Facility ID#:		P.O.#:							
Collected by (signature): <u>Brett Kennedy</u>		<input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified) Same Day..... 200% Next Day..... 100% Two Day..... 50% Three Day..... 25%		Date Results Needed: Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		No. of Cntrs					
Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>											
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time						
#4 Water Trough	grab	SW	0-6'	3/25/10	1125	2	✓				
#37 Creek	↓	↓	↓	↓	1140	2	✓				
#10 Confluence	↓	↓	↓	↓	1158	2	✓				
#12 Upstream South Y	↓	↓	↓	↓	1205	2	✓				
#10a Seep up gradient #10	✓	✓	✓	✓	1211	2	✓				

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other SW pH Temp

Remarks: Surface Water 8688 6671 104 Flow Other

Relinquished by: (Signature) <u>Brett Kennedy</u>	Date: <u>3/26/10</u>	Time: <u>1055</u>	Received by: (Signature) <u>Kenn Wollen</u>	Samples returned via: <input checked="" type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only) <u>OK</u>
Relinquished by: (Signature) <u>Brett Kennedy</u>	Date: <u> </u>	Time: <u> </u>	Received by: (Signature) <u> </u>	Temp: <u>2.5</u>	Bottles Received: <u>10v</u>
Relinquished by: (Signature) <u> </u>	Date: <u> </u>	Time: <u> </u>	Received for lab by: (Signature) <u> </u>	Date: <u>3/27/10</u>	Time: <u>0900</u>
				pH Checked: <u> </u>	NCF: <u> </u>



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Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Wednesday May 05, 2010

Report Number: L456641

Samples Received: 04/30/10

Client Project: 09-61

Description: 09-61

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Jarred Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 39A CORE SPRINGS A

Collected By : Brett Kennedy
Collection Date : 04/28/10 11:06

ESC Sample # : L456641-01

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	0.00027	0.00021	0.0050	mg/l	J	8021/80	05/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	104.			% Rec.		8021/80	05/04/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 39B CORE SPRINGS B

Collected By : Brett Kennedy
Collection Date : 04/28/10 11:14

ESC Sample # : L456641-02

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	05/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	05/04/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 39C CORE SPRINGS C

Collected By : Brett Kennedy
Collection Date : 04/28/10 11:18

ESC Sample # : L456641-03

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	05/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	104.			% Rec.		8021/80	05/04/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 1 UPSTREAM SPRING

Collected By : Brett Kennedy
Collection Date : 04/28/10 11:40

ESC Sample # : L456641-04

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	05/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	97.7			% Rec.		8021/80	05/04/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 1U UPSTREAM

Collected By : Brett Kennedy
Collection Date : 04/28/10 11:44

ESC Sample # : L456641-05

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	05/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	103.			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	05/04/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 2 NORTH TRENCH

Collected By : Brett Kennedy
Collection Date : 04/28/10 11:57

ESC Sample # : L456641-06

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.053	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	0.0035	0.00021	0.0050	mg/l	J	8021/80	05/04/10	1
Ethylbenzene	0.011	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	0.24	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	1.6	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	97.4			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	98.6			% Rec.		8021/80	05/04/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 32 LATHAM SPRING POND

Collected By : Brett Kennedy
Collection Date : 04/28/10 12:01

ESC Sample # : L456641-07

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0019	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	0.00027	0.00021	0.0050	mg/l	J	8021/80	05/04/10	1
Ethylbenzene	0.0011	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	0.0061	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.7			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	05/04/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

ESC Sample # : L456641-08

Sample ID : 33 LATHAM-SPRING-FRESH

Site ID :

Collected By : Brett Kennedy
Collection Date : 04/28/10 12:00

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	05/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	05/04/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 4 WATER TROUGH

Collected By : Brett Kennedy
Collection Date : 04/28/10 12:08

ESC Sample # : L456641-09

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	05/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	103.			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	05/04/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 7 S1 TRENCH

Collected By : Brett Kennedy
Collection Date : 04/28/10 12:23

ESC Sample # : L456641-10

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0097	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	05/04/10	1
Ethylbenzene	0.0048	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	0.037	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	0.25	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.7			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	05/04/10	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 11 S2 TRENCH

Collected By : Brett Kennedy
Collection Date : 04/28/10 12:26

ESC Sample # : L456641-11

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0067	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	05/04/10	1
Ethylbenzene	0.0010	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	0.013	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	101.			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	05/04/10	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 37 CREEK

Collected By : Brett Kennedy
Collection Date : 04/28/10 12:32

ESC Sample # : L456641-12

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0025	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	05/04/10	1
Ethylbenzene	0.0011	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	0.013	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	05/04/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 9 DAM 2

Collected By : Brett Kennedy
Collection Date : 04/28/10 12:49

ESC Sample # : L456641-13

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	05/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	05/04/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

Sample ID : 10 CREEK CONFLUENCE

Collected By : Brett Kennedy
Collection Date : 04/28/10 12:54

ESC Sample # : L456641-14

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	05/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	05/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	05/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	05/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	05/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	102.			% Rec.		8021/80	05/04/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	05/04/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

ESC Sample # : L456641-15

Sample ID : 12 UPSTREAM SOUTH Y

Site ID :

Collected By : Brett Kennedy
Collection Date : 04/28/10 13:09

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	04/30/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	04/30/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	04/30/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	04/30/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	04/30/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	101.			% Rec.		8021/80	04/30/10	1
a,a,a-Trifluorotoluene(PID)	92.1			% Rec.		8021/80	04/30/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

May 05, 2010

Date Received : April 30, 2010
Description : 09-61

ESC Sample # : L456641-16

Sample ID : 2 CASCADE CANYON-CORE CREEK CONF

Site ID :

Collected By : Brett Kennedy
Collection Date : 04/28/10 13:15

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	04/30/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	04/30/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	04/30/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	04/30/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	04/30/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	101.			% Rec.		8021/80	04/30/10	1
a,a,a-Trifluorotoluene(PID)	92.3			% Rec.		8021/80	04/30/10	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L456641-01	WG476343	SAMP	Toluene	R1205828	J
L456641-06	WG476343	SAMP	Toluene	R1205828	J
L456641-07	WG476343	SAMP	Toluene	R1205828	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
05/05/10 at 16:51:34

TSR Signing Reports: 134
R4 - Rush: Three Day

Sample: L456641-01 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-02 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-03 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-04 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-05 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-06 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-07 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-08 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-09 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-10 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-11 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-12 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-13 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-14 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 05/05/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-15 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 04/30/10 00:00 RPT Date: 05/05/10 16:51
Sample: L456641-16 Account: OXYWTPGJCO Received: 04/30/10 09:00 Due Date: 04/30/10 00:00 RPT Date: 05/05/10 16:51



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Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Thursday June 10, 2010

Report Number: L461755

Samples Received: 05/29/10

Client Project: 09-61

Description: 09-61

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 10, 2010

Date Received : May 29, 2010
Description : 09-61

ESC Sample # : L461755-01

Sample ID : 39-CONF CORE SPRINGS CONFLUENCE

Site ID :

Collected By : Brett Kennedy
Collection Date : 05/27/10 11:15

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0020	0.00013	0.00050	mg/l		8021/80	06/05/10	1
Toluene	0.00022	0.00021	0.0050	mg/l	J	8021/80	06/05/10	1
Ethylbenzene	0.0019	0.00021	0.00050	mg/l		8021/80	06/05/10	1
Total Xylene	0.012	0.00043	0.0015	mg/l		8021/80	06/05/10	1
TPH (GC/FID) Low Fraction	0.076	0.040	0.10	mg/l	J	GRO	06/05/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	109.			% Rec.		8021/80	06/05/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	06/05/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 10, 2010

Date Received : May 29, 2010
Description : 09-61

Sample ID : 1 UPSTREAM SPRING

Collected By : Brett Kennedy
Collection Date : 05/27/10 11:35

ESC Sample # : L461755-02

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Nitrate	1.1	0.041	0.10	mg/l		9056	05/29/10	1
Sulfate	66.	0.46	5.0	mg/l		9056	05/29/10	1
BOD	U	1.6	5.0	mg/l	B1J4	SM5210B	06/03/10	1
COD	U	1.7	10.	mg/l		410.4	06/02/10	1
Dissolved Oxygen	7.51@21.1c	0.99	3.0	mg/l	TT8	4500-O	05/29/10	1
ORP	160			mV	T8	2580	06/01/10	1
Phosphate,Ortho	0.026	0.0036	0.025	mg/l		4500P-E	05/29/10	1
TOC (Total Organic Carbon)	2.3	0.20	1.0	mg/l		9060A	06/08/10	1
Dissolved Solids	380	2.5	10.	mg/l		2540C	06/04/10	1
Arsenic	0.0065	0.0065	0.020	mg/l	J	6010B	06/09/10	1
Barium	0.064	0.0010	0.0050	mg/l		6010B	06/09/10	1
Cadmium	U	0.00080	0.0050	mg/l		6010B	06/09/10	1
Calcium	48.	0.11	0.50	mg/l		6010B	06/09/10	1
Chromium	U	0.0017	0.010	mg/l		6010B	06/09/10	1
Copper	U	0.0042	0.020	mg/l		6010B	06/09/10	1
Iron	0.40	0.019	0.10	mg/l		6010B	06/09/10	1
Lead	U	0.0018	0.0050	mg/l		6010B	06/09/10	1
Magnesium	22.	0.018	0.10	mg/l		6010B	06/09/10	1
Molybdenum	0.0062	0.0017	0.0050	mg/l		6010B	06/09/10	1
Zinc	0.015	0.0068	0.030	mg/l	J	6010B	06/09/10	1
Benzene	U	0.00013	0.00050	mg/l		8021/80	06/05/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	06/05/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	06/05/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	06/05/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	06/05/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	108.			% Rec.		8021/80	06/05/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	06/05/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 10, 2010

Date Received : May 29, 2010
Description : 09-61

Sample ID : 2 NORTH TRENCH

Collected By : Brett Kennedy
Collection Date : 05/27/10 11:55

ESC Sample # : L461755-03

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Nitrate	U	0.041	0.10	mg/l		9056	05/29/10	1
Sulfate	27.	0.46	5.0	mg/l		9056	05/29/10	1
BOD	U	1.6	5.0	mg/l	B1J4	SM5210B	06/03/10	1
COD	3.8	1.7	10.	mg/l	J	410.4	06/02/10	1
Dissolved Oxygen	3.57@21.0c	0.99	3.0	mg/l	TT8	4500-O	05/29/10	1
ORP	170			mV	T8	2580	06/01/10	1
Phosphate,Ortho	0.077	0.0036	0.025	mg/l		4500P-E	05/29/10	1
TOC (Total Organic Carbon)	4.4	0.20	1.0	mg/l		9060A	06/08/10	1
Dissolved Solids	460	2.5	10.	mg/l		2540C	06/04/10	1
Arsenic	0.011	0.0065	0.020	mg/l	J	6010B	06/09/10	1
Barium	0.12	0.0010	0.0050	mg/l		6010B	06/09/10	1
Cadmium	U	0.00080	0.0050	mg/l		6010B	06/09/10	1
Calcium	58.	0.11	0.50	mg/l		6010B	06/09/10	1
Chromium	U	0.0017	0.010	mg/l		6010B	06/09/10	1
Copper	U	0.0042	0.020	mg/l		6010B	06/09/10	1
Iron	0.11	0.019	0.10	mg/l		6010B	06/09/10	1
Lead	U	0.0018	0.0050	mg/l		6010B	06/09/10	1
Magnesium	22.	0.018	0.10	mg/l		6010B	06/09/10	1
Molybdenum	0.0080	0.0017	0.0050	mg/l		6010B	06/09/10	1
Zinc	0.46	0.0068	0.030	mg/l		6010B	06/09/10	1
Benzene	0.040	0.00013	0.00050	mg/l		8021/80	06/05/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	06/05/10	1
Ethylbenzene	0.0082	0.00021	0.00050	mg/l		8021/80	06/05/10	1
Total Xylene	0.18	0.00043	0.0015	mg/l		8021/80	06/05/10	1
TPH (GC/FID) Low Fraction	1.4	0.040	0.10	mg/l		GRO	06/05/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	103.			% Rec.		8021/80	06/05/10	1
a,a,a-Trifluorotoluene(PID)	99.3			% Rec.		8021/80	06/05/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 10, 2010

Date Received : May 29, 2010
Description : 09-61

ESC Sample # : L461755-04

Sample ID : 32 LATHEM SPRING POND

Site ID :

Collected By : Brett Kennedy
Collection Date : 05/27/10 12:05

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.00086	0.00013	0.00050	mg/l		8021/80	06/09/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	06/09/10	1
Ethylbenzene	0.0012	0.00021	0.00050	mg/l		8021/80	06/09/10	1
Total Xylene	0.0053	0.00043	0.0015	mg/l		8021/80	06/09/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	06/09/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	103.			% Rec.		8021/80	06/09/10	1
a,a,a-Trifluorotoluene(PID)	97.7			% Rec.		8021/80	06/09/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 10, 2010

Date Received : May 29, 2010
Description : 09-61

Sample ID : 4 WATER TROUGH

Collected By : Brett Kennedy
Collection Date : 05/27/10 12:10

ESC Sample # : L461755-05

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	06/06/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	06/06/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	06/06/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	06/06/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	06/06/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	107.			% Rec.		8021/80	06/06/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	06/06/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 10, 2010

Date Received : May 29, 2010
Description : 09-61

Sample ID : 7 S1 TRENCH

Collected By : Brett Kennedy
Collection Date : 05/27/10 12:20

ESC Sample # : L461755-06

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Nitrate	0.16	0.041	0.10	mg/l		9056	05/29/10	1
Sulfate	21.	0.46	5.0	mg/l		9056	05/29/10	1
BOD	U	1.6	5.0	mg/l	B1J4	SM5210B	06/03/10	1
COD	U	1.7	10.	mg/l		410.4	06/02/10	1
Dissolved Oxygen	5.41@21.1c	0.99	3.0	mg/l	TT8	4500-O	05/29/10	1
ORP	180			mV	T8	2580	06/01/10	1
Phosphate,Ortho	0.048	0.0036	0.025	mg/l		4500P-E	05/29/10	1
TOC (Total Organic Carbon)	5.3	0.20	1.0	mg/l		9060A	06/08/10	1
Dissolved Solids	520	2.5	10.	mg/l		2540C	06/04/10	1
Arsenic	0.0092	0.0065	0.020	mg/l	J	6010B	06/09/10	1
Barium	0.21	0.0010	0.0050	mg/l		6010B	06/09/10	1
Cadmium	U	0.00080	0.0050	mg/l		6010B	06/09/10	1
Calcium	80.	0.11	0.50	mg/l		6010B	06/09/10	1
Chromium	U	0.0017	0.010	mg/l		6010B	06/09/10	1
Copper	U	0.0042	0.020	mg/l		6010B	06/09/10	1
Iron	0.26	0.019	0.10	mg/l		6010B	06/09/10	1
Lead	U	0.0018	0.0050	mg/l		6010B	06/09/10	1
Magnesium	28.	0.018	0.10	mg/l		6010B	06/09/10	1
Molybdenum	0.0097	0.0017	0.0050	mg/l		6010B	06/09/10	1
Zinc	0.58	0.0068	0.030	mg/l		6010B	06/09/10	1
Benzene	0.0023	0.00013	0.00050	mg/l		8021/80	06/06/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	06/06/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	06/06/10	1
Total Xylene	0.0015	0.00043	0.0015	mg/l		8021/80	06/06/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	06/06/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	107.			% Rec.		8021/80	06/06/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	06/06/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 10, 2010

Date Received : May 29, 2010
Description : 09-61

Sample ID : 11 S2 TRENCH

Collected By : Brett Kennedy
Collection Date : 05/27/10 12:26

ESC Sample # : L461755-07

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Nitrate	U	0.041	0.10	mg/l		9056	05/29/10	1
Sulfate	29.	0.46	5.0	mg/l		9056	05/29/10	1
BOD	U	1.6	5.0	mg/l	B1J4	SM5210B	06/03/10	1
COD	18.	1.7	10.	mg/l		410.4	06/02/10	1
Dissolved Oxygen	5.85@21.2c	0.99	3.0	mg/l	TT8	4500-O	05/29/10	1
ORP	180			mV	T8	2580	06/01/10	1
Phosphate,Ortho	0.16	0.0036	0.025	mg/l		4500P-E	05/29/10	1
TOC (Total Organic Carbon)	7.3	0.20	1.0	mg/l		9060A	06/08/10	1
Dissolved Solids	630	2.5	10.	mg/l		2540C	06/04/10	1
Arsenic	0.0098	0.0065	0.020	mg/l	J	6010B	06/09/10	1
Barium	0.18	0.0010	0.0050	mg/l		6010B	06/09/10	1
Cadmium	U	0.00080	0.0050	mg/l		6010B	06/09/10	1
Calcium	89.	0.11	0.50	mg/l		6010B	06/09/10	1
Chromium	U	0.0017	0.010	mg/l		6010B	06/09/10	1
Copper	U	0.0042	0.020	mg/l		6010B	06/09/10	1
Iron	0.42	0.019	0.10	mg/l		6010B	06/09/10	1
Lead	U	0.0018	0.0050	mg/l		6010B	06/09/10	1
Magnesium	35.	0.018	0.10	mg/l		6010B	06/09/10	1
Molybdenum	0.011	0.0017	0.0050	mg/l		6010B	06/09/10	1
Zinc	0.10	0.0068	0.030	mg/l		6010B	06/09/10	1
Benzene	0.0018	0.00013	0.00050	mg/l		8021/80	06/06/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	06/06/10	1
Ethylbenzene	0.00023	0.00021	0.00050	mg/l	J	8021/80	06/06/10	1
Total Xylene	0.0018	0.00043	0.0015	mg/l		8021/80	06/06/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	06/06/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	108.			% Rec.		8021/80	06/06/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	06/06/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 10, 2010

Date Received : May 29, 2010
Description : 09-61

Sample ID : 37 CREEK

Collected By : Brett Kennedy
Collection Date : 05/27/10 12:30

ESC Sample # : L461755-08

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0026	0.00013	0.00050	mg/l		8021/80	06/06/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	06/06/10	1
Ethylbenzene	0.0013	0.00021	0.00050	mg/l		8021/80	06/06/10	1
Total Xylene	0.0083	0.00043	0.0015	mg/l		8021/80	06/06/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	06/06/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	107.			% Rec.		8021/80	06/06/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	06/06/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 10, 2010

Date Received : May 29, 2010
Description : 09-61

Sample ID : 9 DAM 2

Collected By : Brett Kennedy
Collection Date : 05/27/10 13:15

ESC Sample # : L461755-09

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Nitrate	U	0.041	0.10	mg/l		9056	05/29/10	1
Sulfate	37.	0.46	5.0	mg/l		9056	05/29/10	1
BOD	36.	1.6	5.0	mg/l	B1J4	SM5210B	06/03/10	1
COD	U	1.7	10.	mg/l		410.4	06/02/10	1
Dissolved Oxygen	5.43@21.4c	0.99	3.0	mg/l	TT8	4500-O	05/29/10	1
ORP	180			mV	T8	2580	06/01/10	1
Phosphate,Ortho	0.19	0.0036	0.025	mg/l		4500P-E	05/29/10	1
TOC (Total Organic Carbon)	5.8	0.20	1.0	mg/l		9060A	06/08/10	1
Dissolved Solids	440	2.5	10.	mg/l		2540C	06/04/10	1
Arsenic	0.0098	0.0065	0.020	mg/l	J	6010B	06/09/10	1
Barium	0.13	0.0010	0.0050	mg/l		6010B	06/09/10	1
Cadmium	U	0.00080	0.0050	mg/l		6010B	06/09/10	1
Calcium	70.	0.11	0.50	mg/l		6010B	06/09/10	1
Chromium	U	0.0017	0.010	mg/l		6010B	06/09/10	1
Copper	U	0.0042	0.020	mg/l		6010B	06/09/10	1
Iron	1.6	0.019	0.10	mg/l		6010B	06/09/10	1
Lead	U	0.0018	0.0050	mg/l		6010B	06/09/10	1
Magnesium	27.	0.018	0.10	mg/l		6010B	06/09/10	1
Molybdenum	0.0072	0.0017	0.0050	mg/l		6010B	06/09/10	1
Zinc	0.012	0.0068	0.030	mg/l	J	6010B	06/09/10	1
Benzene	U	0.00013	0.00050	mg/l		8021/80	06/06/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	06/06/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	06/06/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	06/06/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	06/06/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	108.			% Rec.		8021/80	06/06/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	06/06/10	1

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Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 10, 2010

Date Received : May 29, 2010
Description : 09-61

ESC Sample # : L461755-10

Sample ID : 10 CREEK CONFLUENCE

Site ID :

Collected By : Brett Kennedy
Collection Date : 05/27/10 13:20

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	06/06/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	06/06/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	06/06/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	06/06/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	06/06/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	108.			% Rec.		8021/80	06/06/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	06/06/10	1

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Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

June 10, 2010

Date Received : May 29, 2010
Description : 09-61

ESC Sample # : L461755-11

Sample ID : 12 UPSTREAM SOUTH Y

Site ID :

Collected By : Brett Kennedy
Collection Date : 05/27/10 13:27

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	06/06/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	06/06/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	06/06/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	06/06/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	06/06/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	107.			% Rec.		8021/80	06/06/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	06/06/10	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L461755-01	WG481876	SAMP	Toluene	R1247470	J
	WG481876	SAMP	TPH (GC/FID) Low Fraction	R1247470	J
L461755-02	WG481313	SAMP	Dissolved Oxygen	R1239652	TT8
	WG481557	SAMP	Arsenic	R1248899	J
	WG481557	SAMP	Zinc	R1248899	J
	WG481064	SAMP	BOD	R1246128	B1J4
	WG481216	SAMP	ORP	R1239892	T8
L461755-03	WG481313	SAMP	Dissolved Oxygen	R1239652	TT8
	WG481557	SAMP	Arsenic	R1248899	J
	WG481064	SAMP	BOD	R1246128	B1J4
	WG481201	SAMP	COD	R1240689	J
	WG481216	SAMP	ORP	R1239892	T8
L461755-06	WG481313	SAMP	Dissolved Oxygen	R1239652	TT8
	WG481557	SAMP	Arsenic	R1248899	J
	WG481064	SAMP	BOD	R1246128	B1J4
	WG481216	SAMP	ORP	R1239892	T8
L461755-07	WG481313	SAMP	Dissolved Oxygen	R1239652	TT8
	WG481876	SAMP	Ethylbenzene	R1247470	J
	WG481557	SAMP	Arsenic	R1248899	J
	WG481064	SAMP	BOD	R1246128	B1J4
	WG481216	SAMP	ORP	R1239892	T8
L461755-09	WG481313	SAMP	Dissolved Oxygen	R1239652	TT8
	WG481557	SAMP	Arsenic	R1248899	J
	WG481557	SAMP	Zinc	R1248899	J
	WG481064	SAMP	BOD	R1246128	B1J4
	WG481216	SAMP	ORP	R1239892	T8

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.
B1	(ESC) - The blank depletion was greater than the recommended maximum depletion of 0.2mg/L.
T8	(ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
06/10/10 at 16:32:59

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L461755-01 Account: OXYWTPGJCO Received: 05/29/10 09:00 Due Date: 06/07/10 00:00 RPT Date: 06/10/10 16:32
Sample: L461755-02 Account: OXYWTPGJCO Received: 05/29/10 09:00 Due Date: 06/07/10 00:00 RPT Date: 06/10/10 16:32
Sample: L461755-03 Account: OXYWTPGJCO Received: 05/29/10 09:00 Due Date: 06/07/10 00:00 RPT Date: 06/10/10 16:32
Sample: L461755-04 Account: OXYWTPGJCO Received: 05/29/10 09:00 Due Date: 06/07/10 00:00 RPT Date: 06/10/10 16:32
Sample: L461755-05 Account: OXYWTPGJCO Received: 05/29/10 09:00 Due Date: 06/07/10 00:00 RPT Date: 06/10/10 16:32
Sample: L461755-06 Account: OXYWTPGJCO Received: 05/29/10 09:00 Due Date: 06/07/10 00:00 RPT Date: 06/10/10 16:32
Sample: L461755-07 Account: OXYWTPGJCO Received: 05/29/10 09:00 Due Date: 06/07/10 00:00 RPT Date: 06/10/10 16:32
Sample: L461755-08 Account: OXYWTPGJCO Received: 05/29/10 09:00 Due Date: 06/07/10 00:00 RPT Date: 06/10/10 16:32
Sample: L461755-09 Account: OXYWTPGJCO Received: 05/29/10 09:00 Due Date: 06/07/10 00:00 RPT Date: 06/10/10 16:32
Sample: L461755-10 Account: OXYWTPGJCO Received: 05/29/10 09:00 Due Date: 06/07/10 00:00 RPT Date: 06/10/10 16:32
Sample: L461755-11 Account: OXYWTPGJCO Received: 05/29/10 09:00 Due Date: 06/07/10 00:00 RPT Date: 06/10/10 16:32



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Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Monday July 05, 2010

Report Number: L466384

Samples Received: 06/26/10

Client Project: 09-61

Description: 09-61

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided
in laboratory standard operating procedures: 060302, 060303, and 060304.



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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 05, 2010

Date Received : June 26, 2010
Description : 09-61

ESC Sample # : L466384-01

Sample ID : 1U UPSTREAM CONN COMP 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 06/24/10 09:20

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	07/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	07/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	07/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	07/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	07/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	108.			% Rec.		8021/80	07/04/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	07/04/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 05, 2010

Date Received : June 26, 2010
Description : 09-61

Sample ID : 2 NORTH TRENCH 0-6 IN

Collected By : Brett Kennedy
Collection Date : 06/24/10 09:45

ESC Sample # : L466384-02

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0015	0.00013	0.00050	mg/l		8021/80	07/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	07/04/10	1
Ethylbenzene	0.00043	0.00021	0.00050	mg/l	J	8021/80	07/04/10	1
Total Xylene	0.0032	0.00043	0.0015	mg/l		8021/80	07/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	07/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	109.			% Rec.		8021/80	07/04/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	07/04/10	1

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REPORT OF ANALYSIS

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Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 05, 2010

Date Received : June 26, 2010
Description : 09-61

ESC Sample # : L466384-03

Sample ID : 32 LATHAM SPRING POND 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 06/24/10 09:50

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.00069	0.00013	0.00050	mg/l		8021/80	07/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	07/04/10	1
Ethylbenzene	0.0011	0.00021	0.00050	mg/l		8021/80	07/04/10	1
Total Xylene	0.0037	0.00043	0.0015	mg/l		8021/80	07/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	07/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	106.			% Rec.		8021/80	07/04/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	07/04/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 05, 2010

Date Received : June 26, 2010
Description : 09-61

ESC Sample # : L466384-04

Sample ID : 4 WATER TROUGH 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 06/24/10 09:55

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	07/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	07/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	07/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	07/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	07/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	109.			% Rec.		8021/80	07/04/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	07/04/10	1

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REPORT OF ANALYSIS

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760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 05, 2010

Date Received : June 26, 2010
Description : 09-61

Sample ID : 7 S TRENCH 0-6 IN

Collected By : Brett Kennedy
Collection Date : 06/24/10 10:02

ESC Sample # : L466384-05

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0028	0.00013	0.00050	mg/l		8021/80	07/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	07/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	07/04/10	1
Total Xylene	0.0016	0.00043	0.0015	mg/l		8021/80	07/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	07/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	109.			% Rec.		8021/80	07/04/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	07/04/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 05, 2010

Date Received : June 26, 2010
Description : 09-61

Sample ID : 37 CREEK 0-6 IN

Collected By : Brett Kennedy
Collection Date : 06/24/10 10:10

ESC Sample # : L466384-06

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0016	0.00013	0.00050	mg/l		8021/80	07/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	07/04/10	1
Ethylbenzene	0.00043	0.00021	0.00050	mg/l	J	8021/80	07/04/10	1
Total Xylene	0.0032	0.00043	0.0015	mg/l		8021/80	07/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	07/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	108.			% Rec.		8021/80	07/04/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	07/04/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 07/05/10 13:41 Printed: 07/05/10 13:41



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(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 05, 2010

Date Received : June 26, 2010
Description : 09-61

Sample ID : 9 DAM 2 0-6 IN

Collected By : Brett Kennedy
Collection Date : 06/24/10 10:20

ESC Sample # : L466384-07

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	07/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	07/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	07/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	07/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	07/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	108.			% Rec.		8021/80	07/04/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	07/04/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 05, 2010

Date Received : June 26, 2010
Description : 09-61

ESC Sample # : L466384-08

Sample ID : 10 CREEK CONFLUENCE 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 06/24/10 10:30

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	07/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	07/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	07/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	07/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	07/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	108.			% Rec.		8021/80	07/04/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	07/04/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 05, 2010

Date Received : June 26, 2010
Description : 09-61

ESC Sample # : L466384-09

Sample ID : 12 UPSTREAM SOUTH Y 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 06/24/10 10:37

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	07/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	07/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	07/04/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	07/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	07/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	108.			% Rec.		8021/80	07/04/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	07/04/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 05, 2010

Date Received : June 26, 2010
Description : 09-61

ESC Sample # : L466384-10

Sample ID : 39 CONF CORE SPRINGS 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 06/24/10 11:41

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0030	0.00013	0.00050	mg/l		8021/80	07/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	07/04/10	1
Ethylbenzene	0.0025	0.00021	0.00050	mg/l		8021/80	07/04/10	1
Total Xylene	0.012	0.00043	0.0015	mg/l		8021/80	07/04/10	1
TPH (GC/FID) Low Fraction	0.26	0.040	0.10	mg/l		GRO	07/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	112.			% Rec.		8021/80	07/04/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	07/04/10	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

July 05, 2010

Date Received : June 26, 2010
Description : 09-61

Sample ID : 11 S TRENCH 0-6 IN

Collected By : Brett Kennedy
Collection Date : 06/24/10 10:04

ESC Sample # : L466384-11

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0021	0.00013	0.00050	mg/l		8021/80	07/04/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	07/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	07/04/10	1
Total Xylene	0.0023	0.00043	0.0015	mg/l		8021/80	07/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	07/04/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	109.			% Rec.		8021/80	07/04/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	07/04/10	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L466384-02	WG486880	SAMP	Ethylbenzene	R1275430	J
L466384-06	WG486880	SAMP	Ethylbenzene	R1275430	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/05/10 at 13:41:57

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L466384-01 Account: OXYWTPGJCO Received: 06/26/10 09:00 Due Date: 07/02/10 00:00 RPT Date: 07/05/10 13:41
Sample: L466384-02 Account: OXYWTPGJCO Received: 06/26/10 09:00 Due Date: 07/02/10 00:00 RPT Date: 07/05/10 13:41
Sample: L466384-03 Account: OXYWTPGJCO Received: 06/26/10 09:00 Due Date: 07/02/10 00:00 RPT Date: 07/05/10 13:41
Sample: L466384-04 Account: OXYWTPGJCO Received: 06/26/10 09:00 Due Date: 07/02/10 00:00 RPT Date: 07/05/10 13:41
Sample: L466384-05 Account: OXYWTPGJCO Received: 06/26/10 09:00 Due Date: 07/02/10 00:00 RPT Date: 07/05/10 13:41
Sample: L466384-06 Account: OXYWTPGJCO Received: 06/26/10 09:00 Due Date: 07/02/10 00:00 RPT Date: 07/05/10 13:41
Sample: L466384-07 Account: OXYWTPGJCO Received: 06/26/10 09:00 Due Date: 07/02/10 00:00 RPT Date: 07/05/10 13:41
Sample: L466384-08 Account: OXYWTPGJCO Received: 06/26/10 09:00 Due Date: 07/02/10 00:00 RPT Date: 07/05/10 13:41
Sample: L466384-09 Account: OXYWTPGJCO Received: 06/26/10 09:00 Due Date: 07/02/10 00:00 RPT Date: 07/05/10 13:41
Sample: L466384-10 Account: OXYWTPGJCO Received: 06/26/10 09:00 Due Date: 07/02/10 00:00 RPT Date: 07/05/10 13:41
Sample: L466384-11 Account: OXYWTPGJCO Received: 06/26/10 09:00 Due Date: 07/02/10 00:00 RPT Date: 07/05/10 13:41

Company Name/Address: Oxy USA WTP LP - Grand Junction, CO 760 Horizon Dr., Ste. 101 Grand Junction, CO 81506			Alternate billing information:			Analysis/Container/Preservative <div style="border: 1px solid black; height: 100px; width: 100%;"></div>			Chain of Custody Page <u>1</u> of <u>2</u> E066	
Report to: <u>Brett Kennedy</u>			Email to: <u>brett.kennedy@oxy.com</u>			<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; font-size: 1.2em;">DTEX 1660</div>			ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859	
Project Description: <u>09-61</u>			City/State Collected: <u>-</u>							
Phone: (970) 263-3601 FAX: (970) 201-2305		Client Project #: <u>-</u>		ESC Key: <u>-</u>						
Collected by: <u>Brett Kennedy</u>		Site/Facility ID#: <u>-</u>		P.O.#: <u>-</u>						
Collected by (signature): <u>Brett Kennedy</u> Immediately Packed on Ice N <u>Y</u> <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified) Same Day..... 200% Next Day..... 100% Two Day..... 50% Three Day..... 25%		Date Results Needed: Email? <u>No</u> <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <u>Yes</u>						
Sample ID		Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Remarks/Contaminant		Sample # (lab only)
In Upstream Kona Camp		grab	SW	0-6"	6/24/10	0920	2	✓	L46638461	
#2 North Trench						0945	2	✓	02	
#32 Latham Spring Road						0950	2	✓	03	
#4 Water Trough						0955	2	✓	04	
#7 Si Trench						1002	2	✓	05	
#37 Creek						1010	2	✓	06	
#9 Dam 2						1020	2	✓	07	
#10 Creek Confluence						1030	2	✓	08	
#12 Upstream South Y						1037	2	✓	09	

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other SW

Remarks:

869517896425

surface water

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) <u>Brett Kennedy</u>		Date: <u>6/25/10</u>	Time: <u>1215</u>	Received by: (Signature) 		Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier		Condition: (lab use only) <u>O/C</u>	
Relinquished by: (Signature) 		Date:	Time:	Received by: (Signature) 		Temp: <u>3.4°C</u>	Bottles Received: <u>22v</u>	CoC Seals Intact <u>Y</u> <u>N</u> <u>NA</u>	
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) <u>C. G. [Signature]</u>		Date: <u>6.26-10</u>	Time: <u>0900</u>	pH Checked:	NCF:

Company Name/Address: Oxy USA WTP LP - Grand Junction, CO 760 Horizon Dr.. Ste. 101 Grand Junction.CO 81506				Alternate billing information:				Analysis/Container/Preservative				Chain of Custody Page 2 of 2	
Report to: <u>Brett Kennedy</u>				Email to: <u>brett.kennedy@oxy.com</u>				<div style="font-size: 2em; transform: rotate(-90deg);">DTEX 1680</div>				Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859	
Project Description: <u>09-61</u>				City/State Collected: <u> </u>									
Phone: (970) 263-3601 FAX: (970) 201-2305		Client Project #: <u> </u>		ESC Key: <u> </u>									
Collected by: <u>Brett Kennedy</u>		Site/Facility ID#: <u> </u>		P.O.#: <u> </u>									
Collected by (signature): <u>Brett Kennedy</u> Immediately Packed on Ice N <u> </u> Y <u> </u>		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day..... 200% <input type="checkbox"/> Next Day..... 100% <input type="checkbox"/> Two Day..... 50% <input type="checkbox"/> Three Day..... 25%		Date Results Needed: Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes									
Sample ID		Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Remarks/Contaminant				Sample # (lab only)	
<u>#39 - comp low springs landfill</u>		<u>grab</u>	<u>sw</u>	<u>0-6"</u>	<u>6/24/10</u>	<u>1141</u>	<u>2</u>	<u>1466384-10</u>					
<u>#11 Sd Trench</u>		<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>1004</u>	<u>2</u>						

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other sw

pH _____ Temp _____

Remarks:

Surface water

Flow _____ Other _____

Relinquished by: (Signature) <u>Brett Kennedy</u>		Date: <u>6/24/10</u>		Time: <u>1015</u>		Received by: (Signature) 		Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier		Condition: (lab use only) <u>OK</u>	
Relinquished by: (Signature) 		Date:		Time:		Received by: (Signature) 		Temp: <u>3.4</u>		Bottles Received: <u>22v</u>	
Relinquished by: (Signature) 		Date:		Time:		Received for lab by: (Signature) <u>C. G. Knox</u>		Date: <u>6-26-10</u>		Time: <u>0900</u>	
								CoC Seals Intact <u> </u> Y <u> </u> N <u> </u> NA		pH Checked:	
								NCF:			



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Tax I.D. 62-0814289

Est. 1970

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Wednesday August 04, 2010

Report Number: L471712

Samples Received: 07/31/10

Client Project: 09-61

Description: 09-61

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

August 04, 2010

Date Received : July 31, 2010
Description : 09-61

ESC Sample # : L471712-01

Sample ID : 39 CONF CORE SPRING S 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 07/29/10 11:00

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0046	0.00013	0.00050	mg/l		8021/80	08/01/10	1
Toluene	0.0012	0.00021	0.0050	mg/l	J	8021/80	08/01/10	1
Ethylbenzene	0.0045	0.00021	0.00050	mg/l		8021/80	08/01/10	1
Total Xylene	0.017	0.00043	0.0015	mg/l		8021/80	08/01/10	1
TPH (GC/FID) Low Fraction	0.52	0.040	0.10	mg/l		GRO	08/01/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	104.			% Rec.		8021/80	08/01/10	1
a,a,a-Trifluorotoluene(PID)	89.9			% Rec.		8021/80	08/01/10	1

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Reported: 08/04/10 09:33 Printed: 08/04/10 09:34



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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

August 04, 2010

Date Received : July 31, 2010
Description : 09-61

ESC Sample # : L471712-02

Sample ID : 1U UPSTREAM CONN CAMP 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 07/29/10 12:27

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	08/01/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	08/01/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	08/01/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	08/01/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	08/01/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	107.			% Rec.		8021/80	08/01/10	1
a,a,a-Trifluorotoluene(PID)	91.0			% Rec.		8021/80	08/01/10	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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Reported: 08/04/10 09:33 Printed: 08/04/10 09:34



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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

August 04, 2010

Date Received : July 31, 2010
Description : 09-61

ESC Sample # : L471712-03

Sample ID : 2 NORTH TRENCH 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 07/29/10 12:39

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	08/01/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	08/01/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	08/01/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	08/01/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	08/01/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	107.			% Rec.		8021/80	08/01/10	1
a,a,a-Trifluorotoluene(PID)	90.6			% Rec.		8021/80	08/01/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

August 04, 2010

Date Received : July 31, 2010
Description : 09-61

ESC Sample # : L471712-04

Sample ID : 32 LATHAM SPRING POND 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 07/29/10 12:45

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0021	0.00013	0.00050	mg/l		8021/80	08/01/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	08/01/10	1
Ethylbenzene	0.0023	0.00021	0.00050	mg/l		8021/80	08/01/10	1
Total Xylene	0.013	0.00043	0.0015	mg/l		8021/80	08/01/10	1
TPH (GC/FID) Low Fraction	0.23	0.040	0.10	mg/l		GRO	08/01/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	106.			% Rec.		8021/80	08/01/10	1
a,a,a-Trifluorotoluene(PID)	90.9			% Rec.		8021/80	08/01/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

August 04, 2010

Date Received : July 31, 2010
Description : 09-61

ESC Sample # : L471712-05

Sample ID : 7 S1 TRENCH 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 07/29/10 12:55

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	08/01/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	08/01/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	08/01/10	1
Total Xylene	0.00064	0.00043	0.0015	mg/l	J	8021/80	08/01/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	08/01/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	106.			% Rec.		8021/80	08/01/10	1
a,a,a-Trifluorotoluene(PID)	90.1			% Rec.		8021/80	08/01/10	1

U = ND (Not Detected)

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

August 04, 2010

Date Received : July 31, 2010
Description : 09-61
Sample ID : 11 S2 TRENCH 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/29/10 13:00

ESC Sample # : L471712-06

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0025	0.00013	0.00050	mg/l		8021/80	08/01/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	08/01/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	08/01/10	1
Total Xylene	0.0032	0.00043	0.0015	mg/l		8021/80	08/01/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	08/01/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	106.			% Rec.		8021/80	08/01/10	1
a,a,a-Trifluorotoluene(PID)	88.7			% Rec.		8021/80	08/01/10	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

August 04, 2010

Date Received : July 31, 2010
Description : 09-61

Sample ID : 37 CREEK 0-6 IN

Collected By : Brett Kennedy
Collection Date : 07/29/10 13:06

ESC Sample # : L471712-07

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.00087	0.00013	0.00050	mg/l		8021/80	08/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	08/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	08/02/10	1
Total Xylene	0.0016	0.00043	0.0015	mg/l		8021/80	08/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	08/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	106.			% Rec.		8021/80	08/02/10	1
a,a,a-Trifluorotoluene(PID)	88.6			% Rec.		8021/80	08/02/10	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

August 04, 2010

Date Received : July 31, 2010
Description : 09-61

Sample ID : 9 DAM 2 0-6 IN

Collected By : Brett Kennedy
Collection Date : 07/29/10 13:18

ESC Sample # : L471712-08

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	08/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	08/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	08/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	08/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	08/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	107.			% Rec.		8021/80	08/02/10	1
a,a,a-Trifluorotoluene(PID)	91.1			% Rec.		8021/80	08/02/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

August 04, 2010

Date Received : July 31, 2010
Description : 09-61

ESC Sample # : L471712-09

Sample ID : 10 CREEK CONFLUENCE 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 07/29/10 13:27

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	08/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	08/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	08/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	08/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	08/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	108.			% Rec.		8021/80	08/02/10	1
a,a,a-Trifluorotoluene(PID)	91.3			% Rec.		8021/80	08/02/10	1

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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

August 04, 2010

Date Received : July 31, 2010
Description : 09-61

ESC Sample # : L471712-10

Sample ID : 12 UPSTREAM SOUTH Y 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 07/29/10 13:30

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	08/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	08/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	08/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	08/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	08/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	107.			% Rec.		8021/80	08/02/10	1
a,a,a-Trifluorotoluene(PID)	90.4			% Rec.		8021/80	08/02/10	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L471712-01	WG491399	SAMP	Toluene	R1310428	J
L471712-05	WG491399	SAMP	Total Xylene	R1310428	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
08/04/10 at 09:34:11

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L471712-01 Account: OXYWTPGJCO Received: 07/31/10 09:00 Due Date: 08/06/10 00:00 RPT Date: 08/04/10 09:33
Sample: L471712-02 Account: OXYWTPGJCO Received: 07/31/10 09:00 Due Date: 08/06/10 00:00 RPT Date: 08/04/10 09:33
Sample: L471712-03 Account: OXYWTPGJCO Received: 07/31/10 09:00 Due Date: 08/06/10 00:00 RPT Date: 08/04/10 09:33
Sample: L471712-04 Account: OXYWTPGJCO Received: 07/31/10 09:00 Due Date: 08/06/10 00:00 RPT Date: 08/04/10 09:33
Sample: L471712-05 Account: OXYWTPGJCO Received: 07/31/10 09:00 Due Date: 08/06/10 00:00 RPT Date: 08/04/10 09:33
Sample: L471712-06 Account: OXYWTPGJCO Received: 07/31/10 09:00 Due Date: 08/06/10 00:00 RPT Date: 08/04/10 09:33
Sample: L471712-07 Account: OXYWTPGJCO Received: 07/31/10 09:00 Due Date: 08/06/10 00:00 RPT Date: 08/04/10 09:33
Sample: L471712-08 Account: OXYWTPGJCO Received: 07/31/10 09:00 Due Date: 08/06/10 00:00 RPT Date: 08/04/10 09:33
Sample: L471712-09 Account: OXYWTPGJCO Received: 07/31/10 09:00 Due Date: 08/06/10 00:00 RPT Date: 08/04/10 09:33
Sample: L471712-10 Account: OXYWTPGJCO Received: 07/31/10 09:00 Due Date: 08/06/10 00:00 RPT Date: 08/04/10 09:33

Company Name/Address: Oxy USA WTP LP - Grand Junction, CO 760 Horizon Dr., Ste. 101 Grand Junction, CO 81506			Alternate billing information:			Analysis/Container/Preservative			Chain of Custody Page <u>1</u> of <u>2</u>								
Report to: <u>Brett Kennedy</u>			Email to: <u>brett.kennedy@oxy.com</u>			<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">BTEX/RO</div>			Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859 D104 CoCode: <u>OXYWTPGJ</u> (lab use only) Template/Prelogin Shipped Via:								
Project Description: <u>09-61</u>			City/State Collected: <u>-</u>														
Phone: (970) 263-3601 FAX: (970) 201-2305		Client Project #: <u>-</u>		ESC Key: <u>-</u>													
Collected by: <u>Brett Kennedy</u>		Site/Facility ID#: <u>-</u>		P.O.#: <u>-</u>													
Collected by (signature): <u>Brett Kennedy</u> Immediately Packed on Ice N <u>Y</u>		<input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified) Same Day 200% Next Day 100% Two Day 50% Three Day 25%		Date Results Needed: Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes													
Sample ID		Comp/Grab		Matrix*		Depth		Date		Time		No. of Cntrs		Remarks/Contaminant		Sample # (lab only)	
#39 cont Core Springs (confluence)		brch		SW		0-6"		7/19/10		1100		2 ✓				L4771712a	
1u Upstream (Conn Camp)										1227		2 ✓				02	
#2 North Trench										1239		2 ✓				03	
#32 Latham Spring Pond										1245		2 ✓				04	
#7 S1 Trench										1255		2 ✓				05	
#11 S2 Trench										1300		2 ✓				06	
#37 Creek										1306		2 ✓				07	
#9 Dam 2										1318		2 ✓				08	
#10 Creek Confluence										1327		2 ✓				09	

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other SW

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature) <u>Brett Kennedy</u>		Date: <u>7/30/10</u> Time: <u>1410</u>		Received by: (Signature) <u>[Signature]</u>		Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier		Condition: (lab use only) <u>OK</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date: _____ Time: _____		Received by: (Signature) <u>[Signature]</u>		Temp: <u>34.4</u> Bottles Received: <u>20 v</u>		CoC Seals Intact: <u>Y</u> <u>N</u> <u>NA</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date: _____ Time: _____		Received for lab by: (Signature) <u>[Signature]</u>		Date: <u>7/30/10</u> Time: <u>0900</u>		pH Checked: <u>NCF</u>	



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Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Sunday September 05, 2010

Report Number: L476562

Samples Received: 09/01/10

Client Project: 09-61

Description:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

September 05, 2010

Date Received : September 01, 2010
Description :

Sample ID : 39 CONT CORE SPRINGS CONFLUENCE

Collected By : Brett Kennedy
Collection Date : 08/30/10 08:55

ESC Sample # : L476562-01

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0048	0.00013	0.00050	mg/l		8021/80	09/02/10	1
Toluene	0.00046	0.00021	0.0050	mg/l	J	8021/80	09/02/10	1
Ethylbenzene	0.0045	0.00021	0.00050	mg/l		8021/80	09/02/10	1
Total Xylene	0.021	0.00043	0.0015	mg/l		8021/80	09/02/10	1
TPH (GC/FID) Low Fraction	0.14	0.040	0.10	mg/l		GRO	09/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	88.9			% Rec.		8021/80	09/02/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	09/02/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 09/05/10 18:53 Printed: 09/05/10 18:53



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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

September 05, 2010

Date Received : September 01, 2010
Description :

Sample ID : 1U UPSTREAM

Collected By : Brett Kennedy
Collection Date : 08/30/10 10:38

ESC Sample # : L476562-02

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	09/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	09/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	09/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	09/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	09/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	100.			% Rec.		8021/80	09/02/10	1
a,a,a-Trifluorotoluene(PID)	104.			% Rec.		8021/80	09/02/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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12065 Lebanon Rd.
Mt. Juliet, TN 37122
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1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

September 05, 2010

Date Received : September 01, 2010
Description :

Sample ID : 2 NORTH TRENCH

Collected By : Brett Kennedy
Collection Date : 08/30/10 10:43

ESC Sample # : L476562-03

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.00014	0.00013	0.00050	mg/l	J	8021/80	09/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	09/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	09/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	09/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	09/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.8			% Rec.		8021/80	09/02/10	1
a,a,a-Trifluorotoluene(PID)	104.			% Rec.		8021/80	09/02/10	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

September 05, 2010

Date Received : September 01, 2010
Description :

Sample ID : 32 LATHEM SPRING POND

Collected By : Brett Kennedy
Collection Date : 08/30/10 10:47

ESC Sample # : L476562-04

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0020	0.00013	0.00050	mg/l		8021/80	09/02/10	1
Toluene	0.00038	0.00021	0.0050	mg/l	J	8021/80	09/02/10	1
Ethylbenzene	0.0021	0.00021	0.00050	mg/l		8021/80	09/02/10	1
Total Xylene	0.0080	0.00043	0.0015	mg/l		8021/80	09/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	09/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	93.4			% Rec.		8021/80	09/02/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	09/02/10	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

September 05, 2010

Date Received : September 01, 2010
Description :

Sample ID : 4 WATER TROUGH

Collected By : Brett Kennedy
Collection Date : 08/30/10 10:50

ESC Sample # : L476562-05

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	09/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	09/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	09/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	09/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	09/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.9			% Rec.		8021/80	09/02/10	1
a,a,a-Trifluorotoluene(PID)	104.			% Rec.		8021/80	09/02/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

September 05, 2010

Date Received : September 01, 2010
Description :

Sample ID : 7 S. TRENCH

Collected By : Brett Kennedy
Collection Date : 08/30/10 10:00

ESC Sample # : L476562-06

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0041	0.00013	0.00050	mg/l		8021/80	09/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	09/02/10	1
Ethylbenzene	0.0029	0.00021	0.00050	mg/l		8021/80	09/02/10	1
Total Xylene	0.025	0.00043	0.0015	mg/l		8021/80	09/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	09/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.3			% Rec.		8021/80	09/02/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	09/02/10	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

September 05, 2010

Date Received : September 01, 2010
Description :

Sample ID : 11 S2 TRENCH

Collected By : Brett Kennedy
Collection Date : 08/30/10 11:05

ESC Sample # : L476562-07

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0035	0.00013	0.00050	mg/l		8021/80	09/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	09/02/10	1
Ethylbenzene	0.00072	0.00021	0.00050	mg/l		8021/80	09/02/10	1
Total Xylene	0.0062	0.00043	0.0015	mg/l		8021/80	09/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	09/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.2			% Rec.		8021/80	09/02/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	09/02/10	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

September 05, 2010

Date Received : September 01, 2010
Description :

Sample ID : 37 CREEK

Collected By : Brett Kennedy
Collection Date : 08/30/10 11:09

ESC Sample # : L476562-08

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.00049	0.00013	0.00050	mg/l	J	8021/80	09/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	09/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	09/02/10	1
Total Xylene	0.00080	0.00043	0.0015	mg/l	J	8021/80	09/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	09/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	116.			% Rec.		8021/80	09/02/10	1
a,a,a-Trifluorotoluene(PID)	98.2			% Rec.		8021/80	09/02/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

September 05, 2010

Date Received : September 01, 2010
Description :

Sample ID : 9 DAM 2

Collected By : Brett Kennedy
Collection Date : 08/30/10 11:00

ESC Sample # : L476562-09

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	09/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	09/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	09/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	09/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	09/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.5			% Rec.		8021/80	09/02/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	09/02/10	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

September 05, 2010

Date Received : September 01, 2010
Description :

Sample ID : 10 CREEK CONFLUENCE

Collected By : Brett Kennedy
Collection Date : 08/30/10 11:27

ESC Sample # : L476562-10

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	09/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	09/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	09/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	09/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	09/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.2			% Rec.		8021/80	09/02/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	09/02/10	1

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MDL = Minimum Detection Limit = LOD

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

September 05, 2010

Date Received : September 01, 2010
Description :

Sample ID : 12 UPSTREAM SOUTH Y

Collected By : Brett Kennedy
Collection Date : 08/30/10 11:32

ESC Sample # : L476562-11

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	09/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	09/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	09/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	09/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	09/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.7			% Rec.		8021/80	09/02/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	09/02/10	1

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MDL = Minimum Detection Limit = LOD

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L476562-01	WG496414	SAMP	Toluene	R1359850	J
L476562-03	WG496414	SAMP	Benzene	R1359850	J
L476562-04	WG496414	SAMP	Toluene	R1359850	J
L476562-08	WG496428	SAMP	Benzene	R1359030	J
	WG496428	SAMP	Total Xylene	R1359030	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
09/05/10 at 18:53:59

TSR Signing Reports: 134
R4 - Rush: Three Day

Sample: L476562-01 Account: OXYGJCO Received: 09/01/10 09:00 Due Date: 09/07/10 00:00 RPT Date: 09/05/10 18:53
Sample: L476562-02 Account: OXYGJCO Received: 09/01/10 09:00 Due Date: 09/07/10 00:00 RPT Date: 09/05/10 18:53
Sample: L476562-03 Account: OXYGJCO Received: 09/01/10 09:00 Due Date: 09/07/10 00:00 RPT Date: 09/05/10 18:53
Sample: L476562-04 Account: OXYGJCO Received: 09/01/10 09:00 Due Date: 09/07/10 00:00 RPT Date: 09/05/10 18:53
Sample: L476562-05 Account: OXYGJCO Received: 09/01/10 09:00 Due Date: 09/07/10 00:00 RPT Date: 09/05/10 18:53
Sample: L476562-06 Account: OXYGJCO Received: 09/01/10 09:00 Due Date: 09/07/10 00:00 RPT Date: 09/05/10 18:53
Sample: L476562-07 Account: OXYGJCO Received: 09/01/10 09:00 Due Date: 09/07/10 00:00 RPT Date: 09/05/10 18:53
Sample: L476562-08 Account: OXYGJCO Received: 09/01/10 09:00 Due Date: 09/07/10 00:00 RPT Date: 09/05/10 18:53
Sample: L476562-09 Account: OXYGJCO Received: 09/01/10 09:00 Due Date: 09/07/10 00:00 RPT Date: 09/05/10 18:53
Sample: L476562-10 Account: OXYGJCO Received: 09/01/10 09:00 Due Date: 09/07/10 00:00 RPT Date: 09/05/10 18:53
Sample: L476562-11 Account: OXYGJCO Received: 09/01/10 09:00 Due Date: 09/07/10 00:00 RPT Date: 09/05/10 18:53

Company Name/Address: OXY USA - Grand Junction, CO <i>WTP LP</i> 760 Horizon Dr.. Ste. 101 Grand Junction.CO 81506				Alternate billing information:				Analysis/Container/Preservative				Chain of Custody Page 1 of 2			
Report to: <i>Brett Kennedy</i>				Email to: <i>brett.kennedy@oxy.com</i>				Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859 B092 CoCode: OXYGJCO (lab use only) Template/Prelogin Shipped Via:							
Project Description: <i>09-61</i>				City/State Collected:											
Phone: (970) 263-3601 FAX:		Client Project #:		ESC Key:											
Collected by: <i>Brett Kennedy</i>		Site/Facility ID#:		P.O.#:											
Collected by (signature): <i>Brett Kennedy</i> Immediately Packed on Ice N <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/>		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day.....200% <input type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input checked="" type="checkbox"/> Three Day.....25%		Date Results Needed: Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		No. of Cntrs									
Sample ID		Comp/Grab		Matrix*		Depth		Date		Time		Remarks/Contaminant		Sample # (lab only)	
<i>#39 cont Core Springs Contaminant</i>		<i>Grab</i>		<i>SW</i>		<i>0-6"</i>		<i>8/30/10</i>		<i>0855</i>		<i>2</i>		<i>1476562 -01</i>	
<i>1u Upstream (corn lamp)</i>										<i>1038</i>		<i>2</i>		<i>-02</i>	
<i>#2 North Trench</i>										<i>1043</i>		<i>2</i>		<i>-03</i>	
<i>#32 Latham Spring Pond</i>										<i>1047</i>		<i>2</i>		<i>-04</i>	
<i>#4 Water Trough</i>										<i>1050</i>		<i>2</i>		<i>-05</i>	
<i>#7 S. Trench</i>										<i>1000</i>		<i>2</i>		<i>-06</i>	
<i>#11 S. Trench</i>										<i>1105</i>		<i>2</i>		<i>-07</i>	
<i>#37 Creek</i>										<i>1109</i>		<i>2</i>		<i>-08</i>	
<i>#9 Dam 2</i>										<i>1100</i>		<i>2</i>		<i>-09</i>	

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other *SW*

Remarks:

surface water

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) <i>Brett Kennedy</i>		Date: <i>8/31/10</i>		Time: <i>1715</i>		Received by: (Signature)		Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/>		Condition: (lab use only)			
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: <i>4.8°</i>		Bottles Received: <i>22</i>		CoC Seals Intact <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) <i>J. Ellis</i>		Date: <i>09-01-10</i>		Time: <i>0900</i>		pH Checked: NCF:	



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Tax I.D. 62-0814289

Est. 1970

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Monday October 04, 2010

Report Number: L481952

Samples Received: 10/02/10

Client Project: 09-61

Description: 09-61

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Craig Cothron , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

October 04, 2010

Date Received : October 02, 2010
Description : 09-61

ESC Sample # : L481952-01

Sample ID : 39 CONF CORE SPRINGS CONFLUENCE 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 09/30/10 11:50

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0038	0.00013	0.00050	mg/l		8021/80	10/02/10	1
Toluene	0.00098	0.00021	0.0050	mg/l	J	8021/80	10/02/10	1
Ethylbenzene	0.0036	0.00021	0.00050	mg/l		8021/80	10/02/10	1
Total Xylene	0.014	0.00043	0.0015	mg/l		8021/80	10/02/10	1
TPH (GC/FID) Low Fraction	0.11	0.040	0.10	mg/l		GRO	10/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	87.4			% Rec.		8021/80	10/02/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	10/02/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

October 04, 2010

Date Received : October 02, 2010
Description : 09-61

ESC Sample # : L481952-02

Sample ID : 1U UPSTREAM CONN CAMP 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 09/30/10 13:25

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	10/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	10/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.8			% Rec.		8021/80	10/02/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	10/02/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

October 04, 2010

Date Received : October 02, 2010
Description : 09-61

Sample ID : 2 NORTH TRENCH 0-6 IN

Collected By : Brett Kennedy
Collection Date : 09/30/10 13:40

ESC Sample # : L481952-03

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.00043	0.00013	0.00050	mg/l	J	8021/80	10/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	10/02/10	1
Ethylbenzene	0.00039	0.00021	0.00050	mg/l	J	8021/80	10/02/10	1
Total Xylene	0.0019	0.00043	0.0015	mg/l		8021/80	10/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	10/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	97.7			% Rec.		8021/80	10/02/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	10/02/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

October 04, 2010

Date Received : October 02, 2010
Description : 09-61

ESC Sample # : L481952-04

Sample ID : 32 LATHEM SPRING POND 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 09/30/10 13:45

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.00096	0.00013	0.00050	mg/l	J	8021/80	10/02/10	1
Toluene	0.00026	0.00021	0.0050	mg/l		8021/80	10/02/10	1
Ethylbenzene	0.00061	0.00021	0.00050	mg/l		8021/80	10/02/10	1
Total Xylene	0.0025	0.00043	0.0015	mg/l		8021/80	10/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	10/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	95.1			% Rec.		8021/80	10/02/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	10/02/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

October 04, 2010

Date Received : October 02, 2010
Description : 09-61

ESC Sample # : L481952-05

Sample ID : 4 WATER TROUGH 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 09/30/10 13:49

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	10/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	10/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.6			% Rec.		8021/80	10/02/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	10/02/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

October 04, 2010

Date Received : October 02, 2010
Description : 09-61

ESC Sample # : L481952-06

Sample ID : 7 S1 TRENCH 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 09/30/10 13:59

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0023	0.00013	0.00050	mg/l		8021/80	10/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	10/02/10	1
Ethylbenzene	0.0018	0.00021	0.00050	mg/l		8021/80	10/02/10	1
Total Xylene	0.020	0.00043	0.0015	mg/l		8021/80	10/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	10/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.9			% Rec.		8021/80	10/02/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	10/02/10	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

October 04, 2010

Date Received : October 02, 2010
Description : 09-61
Sample ID : 11 S2 TRENCH 0-6 IN
Collected By : Brett Kennedy
Collection Date : 09/30/10 14:05

ESC Sample # : L481952-07

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0039	0.00013	0.00050	mg/l		8021/80	10/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	10/02/10	1
Ethylbenzene	0.00074	0.00021	0.00050	mg/l		8021/80	10/02/10	1
Total Xylene	0.0077	0.00043	0.0015	mg/l		8021/80	10/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	10/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	97.5			% Rec.		8021/80	10/02/10	1
a,a,a-Trifluorotoluene(PID)	101.			% Rec.		8021/80	10/02/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

October 04, 2010

Date Received : October 02, 2010
Description : 09-61

Sample ID : 37 CREEK 0-6 IN

Collected By : Brett Kennedy
Collection Date : 09/30/10 14:10

ESC Sample # : L481952-08

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.00016	0.00013	0.00050	mg/l	J	8021/80	10/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	10/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	10/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.8			% Rec.		8021/80	10/02/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	10/02/10	1

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

October 04, 2010

Date Received : October 02, 2010
Description : 09-61

Sample ID : 9 DAM 2 0-6 IN

Collected By : Brett Kennedy
Collection Date : 09/30/10 14:27

ESC Sample # : L481952-09

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	10/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	10/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.4			% Rec.		8021/80	10/02/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	10/02/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

October 04, 2010

Date Received : October 02, 2010
Description : 09-61

Sample ID : 10 CREEK CONFLUENCE 0-6 IN

Collected By : Brett Kennedy
Collection Date : 09/30/10 14:32

ESC Sample # : L481952-10

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/02/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	10/02/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/02/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/02/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	10/02/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.6			% Rec.		8021/80	10/02/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	10/02/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

October 04, 2010

Date Received : October 02, 2010
Description : 09-61

ESC Sample # : L481952-11

Sample ID : 12 UPSTREAM SOUTH Y 0-6 IN

Site ID :

Collected By : Brett Kennedy
Collection Date : 09/30/10 14:37

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	10/03/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	10/03/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	10/03/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	10/03/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	10/03/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.4			% Rec.		8021/80	10/03/10	1
a,a,a-Trifluorotoluene(PID)	104.			% Rec.		8021/80	10/03/10	1

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MDL = Minimum Detection Limit = LOD

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L481952-01	WG501335	SAMP	Toluene	R1407949	J
L481952-03	WG501335	SAMP	Benzene	R1407949	J
	WG501335	SAMP	Ethylbenzene	R1407949	J
L481952-04	WG501335	SAMP	Toluene	R1407949	J
L481952-08	WG501335	SAMP	Benzene	R1407949	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
10/04/10 at 15:42:51

TSR Signing Reports: 134
R4 - Rush: Three Day

Sample: L481952-01 Account: OXYGJCO Received: 10/02/10 09:00 Due Date: 10/06/10 00:00 RPT Date: 10/04/10 15:42
Sample: L481952-02 Account: OXYGJCO Received: 10/02/10 09:00 Due Date: 10/06/10 00:00 RPT Date: 10/04/10 15:42
Sample: L481952-03 Account: OXYGJCO Received: 10/02/10 09:00 Due Date: 10/06/10 00:00 RPT Date: 10/04/10 15:42
Sample: L481952-04 Account: OXYGJCO Received: 10/02/10 09:00 Due Date: 10/06/10 00:00 RPT Date: 10/04/10 15:42
Sample: L481952-05 Account: OXYGJCO Received: 10/02/10 09:00 Due Date: 10/06/10 00:00 RPT Date: 10/04/10 15:42
Sample: L481952-06 Account: OXYGJCO Received: 10/02/10 09:00 Due Date: 10/06/10 00:00 RPT Date: 10/04/10 15:42
Sample: L481952-07 Account: OXYGJCO Received: 10/02/10 09:00 Due Date: 10/06/10 00:00 RPT Date: 10/04/10 15:42
Sample: L481952-08 Account: OXYGJCO Received: 10/02/10 09:00 Due Date: 10/06/10 00:00 RPT Date: 10/04/10 15:42
Sample: L481952-09 Account: OXYGJCO Received: 10/02/10 09:00 Due Date: 10/06/10 00:00 RPT Date: 10/04/10 15:42
Sample: L481952-10 Account: OXYGJCO Received: 10/02/10 09:00 Due Date: 10/06/10 00:00 RPT Date: 10/04/10 15:42
Sample: L481952-11 Account: OXYGJCO Received: 10/02/10 09:00 Due Date: 10/06/10 00:00 RPT Date: 10/04/10 15:42



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Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Friday November 05, 2010

Report Number: L486414

Samples Received: 10/29/10

Client Project: 09-61

Description: 09-61

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2010

Date Received : October 29, 2010
Description : 09-61

Sample ID : 39 CONF CORE SPRINGS CONFLUENCE 0-6 IN

Collected By : Brett Kennedy
Collection Date : 10/27/10 12:00

ESC Sample # : L486414-01

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0018	0.00013	0.00050	mg/l		8021/80	11/03/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	11/04/10	1
Ethylbenzene	0.0011	0.00021	0.00050	mg/l		8021/80	11/03/10	1
Total Xylene	0.0041	0.00043	0.0015	mg/l		8021/80	11/04/10	1
TPH (GC/FID) Low Fraction	0.14	0.040	0.10	mg/l	J5	GRO	11/03/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	95.2			% Rec.		8021/80	11/03/10	1
a,a,a-Trifluorotoluene(PID)	100.			% Rec.		8021/80	11/03/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2010

Date Received : October 29, 2010
Description : 09-61

Sample ID : 2 NORTH TRENCH 0-6 IN

Collected By : Brett Kennedy
Collection Date : 10/27/10 13:42

ESC Sample # : L486414-02

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	11/03/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	11/04/10	1
Ethylbenzene	0.00074	0.00021	0.00050	mg/l		8021/80	11/03/10	1
Total Xylene	0.0053	0.00043	0.0015	mg/l		8021/80	11/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	11/03/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.2			% Rec.		8021/80	11/03/10	1
a,a,a-Trifluorotoluene(PID)	99.7			% Rec.		8021/80	11/03/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2010

Date Received : October 29, 2010
Description : 09-61

Sample ID : 32 LATHEM SPRING POND 0-6 IN

Collected By : Brett Kennedy
Collection Date : 10/27/10 13:49

ESC Sample # : L486414-03

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0017	0.00013	0.00050	mg/l		8021/80	11/03/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	11/04/10	1
Ethylbenzene	0.0010	0.00021	0.00050	mg/l		8021/80	11/03/10	1
Total Xylene	0.0061	0.00043	0.0015	mg/l		8021/80	11/04/10	1
TPH (GC/FID) Low Fraction	0.24	0.040	0.10	mg/l		GRO	11/03/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	94.2			% Rec.		8021/80	11/03/10	1
a,a,a-Trifluorotoluene(PID)	100.			% Rec.		8021/80	11/03/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2010

Date Received : October 29, 2010
Description : 09-61

Sample ID : 4 WATER TROUGH 0-6 IN

Collected By : Brett Kennedy
Collection Date : 10/27/10 13:53

ESC Sample # : L486414-04

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	11/03/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	11/05/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	11/03/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	11/03/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	11/03/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.2			% Rec.		8021/80	11/03/10	1
a,a,a-Trifluorotoluene(PID)	99.6			% Rec.		8021/80	11/03/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2010

Date Received : October 29, 2010
Description : 09-61

Sample ID : 7S TRENCH 0-6 IN

Collected By : Brett Kennedy
Collection Date : 10/27/10 14:04

ESC Sample # : L486414-05

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0016	0.00013	0.00050	mg/l		8021/80	11/03/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	11/05/10	1
Ethylbenzene	0.0015	0.00021	0.00050	mg/l		8021/80	11/03/10	1
Total Xylene	0.010	0.00043	0.0015	mg/l		8021/80	11/03/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	11/03/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.4			% Rec.		8021/80	11/03/10	1
a,a,a-Trifluorotoluene(PID)	99.5			% Rec.		8021/80	11/03/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2010

Date Received : October 29, 2010
Description : 09-61

Sample ID : 11 S TRENCH 0-6 IN

Collected By : Brett Kennedy
Collection Date : 10/27/10 14:09

ESC Sample # : L486414-06

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.0091	0.00013	0.00050	mg/l		8021/80	11/03/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	11/05/10	1
Ethylbenzene	0.0017	0.00021	0.00050	mg/l		8021/80	11/03/10	1
Total Xylene	0.018	0.00043	0.0015	mg/l		8021/80	11/03/10	1
TPH (GC/FID) Low Fraction	0.14	0.040	0.10	mg/l		GRO	11/03/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.1			% Rec.		8021/80	11/03/10	1
a,a,a-Trifluorotoluene(PID)	100.			% Rec.		8021/80	11/03/10	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2010

Date Received : October 29, 2010
Description : 09-61

Sample ID : 37 CREEK 0-6 IN

Collected By : Brett Kennedy
Collection Date : 10/27/10 14:14

ESC Sample # : L486414-07

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	0.00068	0.00013	0.00050	mg/l		8021/80	11/03/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	11/04/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	11/03/10	1
Total Xylene	0.0013	0.00043	0.0015	mg/l	J	8021/80	11/04/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	11/03/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.3			% Rec.		8021/80	11/03/10	1
a,a,a-Trifluorotoluene(PID)	99.3			% Rec.		8021/80	11/03/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2010

Date Received : October 29, 2010
Description : 09-61

Sample ID : 9 DAM 2 0-6 IN

Collected By : Brett Kennedy
Collection Date : 10/27/10 14:28

ESC Sample # : L486414-08

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	11/03/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	11/03/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	11/03/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	11/03/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	11/03/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.2			% Rec.		8021/80	11/03/10	1
a,a,a-Trifluorotoluene(PID)	99.3			% Rec.		8021/80	11/03/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2010

Date Received : October 29, 2010
Description : 09-61

Sample ID : 10 CREEK CONFLUENCE 0-6 IN

Collected By : Brett Kennedy
Collection Date : 10/27/10 14:33

ESC Sample # : L486414-09

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	11/03/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	11/03/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	11/03/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	11/03/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	11/03/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.8			% Rec.		8021/80	11/03/10	1
a,a,a-Trifluorotoluene(PID)	99.7			% Rec.		8021/80	11/03/10	1

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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

November 05, 2010

Date Received : October 29, 2010
Description : 09-61

Sample ID : 12 UPSTREAM SOUTH Y 0-6 IN

Collected By : Brett Kennedy
Collection Date : 10/27/10 14:37

ESC Sample # : L486414-10

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	11/03/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	11/03/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	11/03/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	11/03/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	11/03/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.5			% Rec.		8021/80	11/03/10	1
a,a,a-Trifluorotoluene(PID)	99.5			% Rec.		8021/80	11/03/10	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L486414-01	WG505986	SAMP	TPH (GC/FID) Low Fraction	R1455689	J5
L486414-07	WG506817	SAMP	Total Xylene	R1457569	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Company Name/Address: OXY USA Inc - Grand Junction, CO 760 Horizon Dr., Ste. 101 Grand Junction, CO 81506			Alternate billing information:			Analysis/Container/Preservative			Chain of Custody Page 1 of 2		
Report to: <u>Brett Kennedy</u>			Email to: <u>brett.kennedy@oxy.com</u>			BTEX/6X0			Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 767-5859 D123		
Project Description: <u>09-61</u>			City/State Collected: <u> </u>						CoCode: OXYGJCO (lab use only) Template/Prelogin Shipped Via:		
Phone: (970) 263-3601 FAX:			Client Project #: <u> </u>						ESC Key: <u> </u>		
Collected by: <u>Brett Kennedy</u>			Site/Facility ID#: <u> </u>						P.O.#: <u> </u>		
Collected by (signature): <u>Brett Kennedy</u> Immediately Packed on Ice N <u> </u> Y <u> </u>			Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day.....200% <input type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input type="checkbox"/> Three Day.....25%						Date Results Needed: Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
Sample ID			Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Remarks/Contaminant	Sample # (lab only)	
#39 - conf Corr Springs Confluence			6/26	SW	0-6"	10/27/10	1000	2	✓	L4864/401	
#2 North Trench			↓	↓	↓	↓	1342	2	✓	02	
#32 Latham Spring Pond			↓	↓	↓	↓	1349	2	✓	03	
#4 Water Trough			↓	↓	↓	↓	1353	2	✓	04	
#7 S. Trench			↓	↓	↓	↓	1404	2	✓	05	
#11 S. Trench			↓	↓	↓	↓	1409	2	✓	06	
#37 Creek			↓	↓	↓	↓	1414	2	✓	07	
#9 Dam 2			↓	↓	↓	↓	1428	2	✓	08	
#10 Creek Confluence			↓	↓	↓	↓	1433	2	✓	09	

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other SW pH Temp
 Remarks: surface water Flow Other

Relinquished by: (Signature) <u>Brett Kennedy</u>		Date: <u>10/29/10</u>		Time: <u>0700</u>		Received by: (Signature) <u> </u>		Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		Condition: (lab use only) CoC Seals Intact <u> </u> Y <u> </u> N <u> </u> NA	
Relinquished by: (Signature) <u> </u>		Date:		Time:		Received by: (Signature) <u> </u>		Temp: <u>31°C</u>		Bottles Received: <u>20v</u>	
Relinquished by: (Signature) <u> </u>		Date:		Time:		Received by: (Signature) <u> </u>		Date: <u>10/29/10</u>		Time: <u>0900</u>	
										pH Checked: NCF:	



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Est. 1970

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Thursday December 02, 2010

Report Number: L491023

Samples Received: 11/30/10

Client Project: 09-61

Description: 09-61

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

December 02, 2010

Date Received : November 30, 2010
Description : 09-61

Sample ID : 4 WATER TROUGH 0-6 IN

Collected By : Brett Kennedy
Collection Date : 11/29/10 10:34

ESC Sample # : L491023-01

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	12/01/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	12/01/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	12/01/10	1
Total Xylene	0.00083	0.00043	0.0015	mg/l	J	8021/80	12/01/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	12/01/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.8			% Rec.		8021/80	12/01/10	1
a,a,a-Trifluorotoluene(PID)	102.			% Rec.		8021/80	12/01/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 12/02/10 11:12 Printed: 12/02/10 14:03



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

December 02, 2010

Date Received : November 30, 2010
Description : 09-61

Sample ID : 37 CREEK 0-6 IN

Collected By : Brett Kennedy
Collection Date : 11/29/10 10:46

ESC Sample # : L491023-02

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	12/01/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	12/01/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	12/01/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	12/01/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	12/01/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.7			% Rec.		8021/80	12/01/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	12/01/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 12/02/10 11:12 Printed: 12/02/10 14:03



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

December 02, 2010

Date Received : November 30, 2010
Description : 09-61

Sample ID : 10 CREEK CONFLUENCE 0-6 IN

Collected By : Brett Kennedy
Collection Date : 11/29/10 11:05

ESC Sample # : L491023-03

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	12/01/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	12/01/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	12/01/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	12/01/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	12/01/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.6			% Rec.		8021/80	12/01/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	12/01/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 12/02/10 11:12 Printed: 12/02/10 14:03



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REPORT OF ANALYSIS

Brett Kennedy
OXY USA Inc - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

December 02, 2010

Date Received : November 30, 2010
Description : 09-61

Sample ID : 12 UPSTREAM SOUTH 0-6 IN

Collected By : Brett Kennedy
Collection Date : 11/29/10 11:20

ESC Sample # : L491023-04

Site ID :

Project # : 09-61

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	12/01/10	1
Toluene	U	0.00021	0.0050	mg/l		8021/80	12/01/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	12/01/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	12/01/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	12/01/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	99.7			% Rec.		8021/80	12/01/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	12/01/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 12/02/10 11:12 Printed: 12/02/10 14:03

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L491023-01	WG511070	SAMP	Total Xylene	R1494929	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."


Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Company Name/Address: <u>WTP LP</u> OXY USA Inc - Grand Junction, CO 760 Horizon Dr., Ste. 101 Grand Junction, CO 81506			Billing Information: Accounts Payable 760 Horizon Dr., Ste. 101 Grand Junction, CO 81506			Analysis/Container/Preservative <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <div style="border: 1px solid black; height: 100px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 100px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 100px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 100px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 100px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 100px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 100px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 100px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 100px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 100px; margin-bottom: 5px;"></div> </div> </div>			E117 <div style="text-align: center;">  ESC <small>L A B S C I E N C E S</small> 12065 Lebanon Road Mt. Juliet, TN 37122 Phone: (800) 767-5859 Phone: (615) 758-5858 Fax: (615) 758-5859 </div>		
Report to: <u>Brett Kennedy</u>			Email to: <u>brett-kennedy@oxy.com</u>								
Project Description: <u>09-61</u>			City/State Collected: _____								
Phone: (970) 263-3601		Client Project #:		ESC Key: _____							
FAX: _____											
Collected by: (print) <u>Brett Kennedy</u>		Site/Facility ID#:		P.O.#: _____							
Collected by (signature): <u>Brett Kennedy</u>		<input checked="" type="checkbox"/> Rush? (Lab MUST Be Notified) _____ Same Day..... 200% _____ Next Day..... 100% _____ Two Day..... 50% _____ Three Day..... 25%		Date Results Needed: Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		No. of Cntrs <u>8 TEX 1 BRO</u>					
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>											
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time						
#4 Water Trough	Grab	SW	0-6"	11/29/10	1034	2	✓				
#37 Creek	↓	↓	↓	↓	1046	2	✓				
#10 Creek Confluence	↓	↓	↓	↓	1105	2	✓				
#12 Upstream South Y	↓	↓	↓	↓	1120	2	✓				

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other SW pH _____ Temp _____

Remarks: surface water Flow _____ Other _____

Relinquished by: (Signature) <u>Brett Kennedy</u>	Date: <u>11/29/10</u>	Time: <u>1620</u>	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
	Date:	Time:	Received by: (Signature)	Temp: <u>34°</u> Bottles Received: <u>7v</u>	CoC Seals Intact <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <u>Kenn Warren</u>	Date: <u>11/30/10</u>	Time: <u>0900</u> pH Checked: <input checked="" type="checkbox"/> NCF: <input checked="" type="checkbox"/>



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Alonzo Hernandez
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Wednesday January 05, 2011

Report Number: L495836

Samples Received: 12/31/10

Client Project:

Description: 09-61

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

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REPORT OF ANALYSIS

Alonzo Hernandez
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

January 05, 2011

Date Received : December 31, 2010
Description : 09-61

Sample ID : 12 UPSTREAM SOUTH 0-6IN

Collected By : Brett Kennedy
Collection Date : 12/30/10 11:55

ESC Sample # : L495836-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Benzene	U	0.00013	0.00050	mg/l		8021/80	12/31/10	1
Toluene	0.00023	0.00021	0.0050	mg/l	J	8021/80	12/31/10	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	12/31/10	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	12/31/10	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	12/31/10	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	98.4			% Rec.		8021/80	12/31/10	1
a,a,a-Trifluorotoluene(PID)	103.			% Rec.		8021/80	12/31/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 01/04/11 11:33 Revised: 01/05/11 10:00

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L495836-01	WG515715	SAMP	Toluene	R1523770	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

M. Beasley



NON-CONFORMANCE FORM

Login No.: 6491023

Date: 11/30/10

Evaluated by: Kevin Wallace

Client: OK4GJCO

Non-Conformance (check applicable items)

- | | |
|---|--|
| <input type="checkbox"/> Parameter(s) past holding time | <input type="checkbox"/> Login Clarification Needed |
| <input type="checkbox"/> Improper temperature | <input type="checkbox"/> Chain of custody is incomplete |
| <input type="checkbox"/> Improper container type | <input type="checkbox"/> Chain of Custody is missing (see below) |
| <input type="checkbox"/> Improper preservation | <input type="checkbox"/> Broken container(s) (See below) |
| <input type="checkbox"/> Container lid not intact | <input checked="" type="checkbox"/> Broken container: sufficient sample
volume remains for analysis requested (See below) |

If no COC: Received by _____
Date: _____ Time: _____
Temp: _____ Cont. Rec _____ pH: _____
☐ Fedex ☐ UPS ☐ SWA ☐ Other _____
Tracking # _____

- ☐ Insufficient packing material around container
- ☐ Insufficient packing material inside cooler
- ☐ Improper handling by carrier (FedEx / UPS / Courier)
- ☐ Sample was frozen

Comments: Received 1 broken vial for sample id #12 upstream
South

Login Instructions:

TSR Initials: _____

Client informed by call / email / fax / voice mail date: _____ time: _____

Client contact: _____

Company Name/Address:

Oxy USA WTP LP - Grand Junction, CO760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Billing Information:

Accounts Payable
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Analysis/Container/Preservativ

G093

Chain of Custody
Page 1 of 112065 Lebanon Road
Mt. Juliet, TN 37122Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859Report to: Alonso HernandezEmail to: Alonso.hernandez.comProject Description: 09-61City/State
Collected

Phone: (970) 263-3601

Client Project #:

ESC Key:

FAX: (970) 201-2305

Collected by: (print) Brett Kennedy

Site/Facility ID#:

P.O. #:

Collected by (signature): Brett Kennedy**Rush?** (Lab MUST Be Notified)
☐ Same Day 200%
☐ Next Day 100%
☐ Two Day 50%
☐ Three Day 25%

Date Results Needed:

Email? ☐ No ☒ YesFAX? ☒ No ☐ YesNo.
of
CntrsImmediately
Packed on Ice N ☐ Y ☒CoCode **OXYWTPGJ** (lab use only)

Template/Prelogin

Shipped Via:

Remarks/Contaminant

Sample # (lab only)

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time
#4 Water Trough	Grab	SW	0-6"	12/30/10	1128
#10 Creek Confluence	↓	↓	↓	↓	1145
#12 Upstream South Y	↓	↓	↓	↓	1155

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other SW

Remarks:

surface water

pH

Temp

Other

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: ☐ UPS☒ FedEx ☐ Courier ☐

Condition:

(lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp:

Bottles Received:

CoC Seals Intact ☐ Y ☐ N ☐ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

pH Checked:

NCF:

4341 9812 7325

34

16

12/31/10

0900

Appendix C –Waste Disposal Profile, Disposal Approval, and Disposal Manifest



Requested Disposal Facility: 4041 ECDC Environmental UT

Waste Profile #

Saveable fill in form. Restricted printing until all required (yellow) fields are completed.

Sales Rep #.

I. Generator Information

Generator Name: OXY USA WTP LP

Generator Site Address: Conn Camp (Office Location 760 Horizon Dr., Ste. 101)

City: Grand Junction

County: Garfield

State: Colorado

Zip: 81506

State ID/Reg No: NA

State Approval/Waste Code: NA

(if applicable)

NAICS # : 211111

Generator Mailing Address (if different): 760 Horizon Dr., Ste. 101

City: Grand Junction

County: Mesa

State: Colorado

Zip: 81506

Generator Contact Name: Brett Kennedy

Email: brett_kennedy@oxy.com

Phone Number: (970) 201-2305

Ext:

Fax Number: (970) 263-3698

IIa. Transporter Information

Transporter Name: Western Colorado Waste

Contact Name: Hank Bounds

Transporter Address: PO Box 26

City: Mack

County: Mesa

State: CO

Zip: 81525

Phone Number: (970) 216-5666

Fax Number: (970) 858-7518

State Transportation Number: DOT 1251804

IIb. Billing Information

Bill To: Western Colorado Waste

Contact Name: Hank Bounds

Billing Address: PO Box 26

Email: westcolowaste@gmail.com

City: Mack

State: CO

Zip: 81525

Phone: (970) 216-5668

III. Waste Stream Information

Name of Waste: Condensate Impacted Hay Bails

Process Generating Waste:

Hay bails were placed in an unnamed creek in effort to absorb condensate that resulted from a release.

Physical State: ☒ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUIDMethod of Shipment: ☒ BULK ☐ DRUM ☐ BAGGED ☐ OTHER: 30 yd open top dumpster

Estimated Annual Volume: 60 Cubic Yards

Frequency: ☒ ONE TIME ☐ ANNUALDisposal Consideration: ☒ LANDFILL ☐ SOLIDIFICATION ☐ BIOREMEDIATION**IV. Representative Sample Certification**☒ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?

☐ YES or ☐ NO

Sample Date:

Type of Sample: ☐ COMPOSITE SAMPLE ☐ GRAB SAMPLE

Sample ID Numbers:



Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components		% by Weight (range)			
1. Hay		90.000			
2. Condensate (E&P Exempt Waste)		10.000			
3.					
4.					
5.					
Color	Odor (describe)	Does Waste Contain Free Liquids?	% Solids	pH:	Flash Point
black/brown	mild hydrocarbon	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No	100.00	unknown	unknown °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste a reactive or heat generating waste?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does the waste contain sulfur or sulfur by-products?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste generated at a Federal Superfund Clean Up Site?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste from a TSD facility, TSD-like facility or waste consolidator?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither I nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

Brett Kennedy/Sr. HES Specialist

OXY USA WTP LP.

Authorized Representative Name/Title (Type or Print)

Company Name

10/04/2010

Authorized Representative Signature

Date



Republic Services, Inc.

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile # 40411015742	Expiration Date 10/4/2011	
I. Decision Request:	<input checked="" type="checkbox"/> Initial <input type="checkbox"/> Recertification <input type="checkbox"/> Change		
Disposal Facility: 4041 - ECDC Environmental L/F			
Generator Name: OXY USA WTP LP			
Generator Site Address: Conn Camp			
City: Grand Junction	County:	State: CO	Zip:
Name of Waste: Condensate Impacted Hay Balls			
Estimated Annual Volume: 60 Cubic Yards			

II. Special Waste Department Decision: ☒ Approved ☐ Rejected

Management Method(s): ☒ Landfill ☐ Solidification ☐ Bioremediation ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☒ No

If yes, which one? _____

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

This waste must meet the requirements of 40 CFR 261.4(b)(5) - (Oil and Natural Gas Exemption)

Special Waste Analyst Signature: Leslie Hamilton
Date: 10/11/2010

Name (Printed): LESLIE HAMILTON

III. Facility Decision: ☐ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____
Date: 10/11/2010

Name (Printed): _____

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 970-248-0497	4. Waste Tracking Number 40411015742
5. Generator's Name and Mailing Address OXY USA WTP LP 760 Horizon Dr., Ste 101 Grand Junction CO 81506			Generator's Site Address (if different than mailing address)		
Generator's Phone: 970-263-3800					
6. Transporter 1 Company Name Western Colorado Waste			U.S. EPA ID Number		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address ECAC 1111 W. Hwy. 123 East Carbon UT			U.S. EPA ID Number		
Facility's Phone:					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Condensate Impacted dry Bails # 40411015742		1	30 yd ³ open top	1	
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Brett Kennedy		Signature Brett Kennedy		Month 12	Day 01
15. International Shipments <input type="checkbox"/> Import to U.S.		<input type="checkbox"/> Export from U.S.		Year 10	
Transporter Signature (for exports only):		Port of entry/exit:		Date leaving U.S.:	
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Jason Desserich		Signature		Month 12	Day 01
Transporter 2 Printed/Typed Name		Signature		Year 10	
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator)				U.S. EPA ID Number	
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)				Month	Day
				Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Alberta Manchester		Signature Alberta Manchester		Month 12	Day 01
				Year 10	