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Est. 1970

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

Report Summary

Thursday April 14, 2011

Report Number: L510523

Samples Received: 04/09/11

Client Project:

Description: 697-15-01 Cutting Plan Sampling

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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REPORT OF ANALYSIS

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

April 14, 2011

Date Received : April 09, 2011
 Description : 697-15-01 Cutting Plan Sampling
 Sample ID : BG
 Collected By : Travis
 Collection Date : 04/08/11 10:10

ESC Sample # : L510523-01
 Site ID :
 Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Chloride	9.7	0.15	1.0	mg/l		9056	04/11/11	1
Sulfate	43.	0.46	5.0	mg/l		9056	04/11/11	1
Dissolved Solids	340	1.7	10.	mg/l		2540C	04/14/11	1
Benzene	U	0.00013	0.00050	mg/l		8021/80	04/09/11	1
Toluene	0.00022	0.00021	0.0050	mg/l	J	8021/80	04/09/11	1
Ethylbenzene	U	0.00021	0.00050	mg/l		8021/80	04/09/11	1
Total Xylene	U	0.00043	0.0015	mg/l		8021/80	04/09/11	1
TPH (GC/FID) Low Fraction	U	0.040	0.10	mg/l		GRO	04/09/11	1
Surrogate Recovery-%								
a,a,a-Trifluorotoluene(FID)	96.3			% Rec.		8021/80	04/09/11	1
a,a,a-Trifluorotoluene(PID)	100.			% Rec.		8021/80	04/09/11	1
TPH (GC/FID) High Fraction	U	0.0091	0.10	mg/l		3510C /	04/12/11	1
Surrogate recovery(%)								
o-Terphenyl	74.3			% Rec.		3510C /	04/12/11	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.
 This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 04/14/11 14:44 Printed: 04/14/11 14:44

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L510523-01	WG530323	SAMP	Toluene	R1646350	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
04/14/11 at 14:44:55

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L510523-01 Account: OXYWTPGJCO Received: 04/09/11 09:00 Due Date: 04/15/11 00:00 RPT Date: 04/14/11 14:44