



ANALYSIS REPORT

Prepared by:

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2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Report Date: December 20, 2017 13:17

Project: 95414

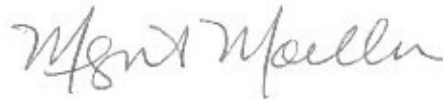
Account #: 10880
Group Number: 1839840
PO Number: 0015239580
Release Number: CARRIER
State of Sample Origin: AK

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Electronic Copy To GHD
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Electronic Copy To Chevron

Attn: GHD EDF
Attn: Siobhan Pritchard
Attn: Sarah Gillette
Attn: Jeffrey Cloud
Attn: GHD EDD

Respectfully Submitted,



Megan A. Moeller
Senior Specialist

(717) 556-7261



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
MW-1-W-170816 Grab Groundwater	08/16/2017 14:40	9164568
MW-2-W-170816 Grab Groundwater	08/16/2017 13:53	9164569
MW-3-W-170816 Grab Groundwater	08/16/2017 12:55	9164570
MW-4-W-170816 Grab Groundwater	08/16/2017 10:12	9164571
MW-5-W-170816 Grab Groundwater	08/16/2017 11:50	9164572
MW-6-W-170816 Grab Groundwater	08/16/2017 15:26	9164573
MW-7-W-170816 Grab Groundwater	08/16/2017 11:02	9164574
MW-8-W-170816 Grab Groundwater	08/16/2017 09:10	9164575
MW-10-W-170816 Grab Groundwater	08/16/2017 08:20	9164576
DUP-1-WD-170816 Grab Groundwater	08/16/2017	9164577
DUP-2-WD-170816 Grab Groundwater	08/16/2017	9164578
QA-1-T-170816 Water	08/16/2017	9164579

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Project Name: 95414
ELLE Group #: 1839840

General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below.

Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

For dual column analyses, the surrogate (for multi-surrogate tests, at least one surrogate) must be within the acceptance limits on at least one of the two columns.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

SW-846 8260B, GC/MS Volatiles

Batch #: 4172352AA (Sample number(s): 9164575-9164577, 9164579 UNSPK: P165895)

The recovery(ies) for the following analyte(s) in the MS and/or MSD were below the acceptance window: Cyclohexane, Methylcyclohexane, Benzene, Ethylbenzene, Xylene (Total)

Batch #: 4172361AA (Sample number(s): 9164574 UNSPK: P166709)

The recovery(ies) for the following analyte(s) in the MS and/or MSD were below the acceptance window: cis-1,2-Dichloroethene

AK 102-SV 4/8/02, GC Petroleum Hydrocarbons

Sample #s: 9164576, 9164577

The recovery for the laboratory control spike(s) is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

Sample #s: 9164568, 9164569, 9164570, 9164571, 9164572, 9164573, 9164574, 9164575

The recovery for the LCSD is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

Batch #: 172340042A (Sample number(s): 9164568-9164575)

The recovery(ies) for the following analyte(s) in the LCS and/or LCSD were below the acceptance window: DRO C10-C25

Batch #: 172360012A (Sample number(s): 9164576-9164577 UNSPK: P166543)

The recovery(ies) for the following analyte(s) in the LCS were below the acceptance window: DRO

C10-C25

Sample Description: MW-1-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164568
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35

Collection Date/Time: 08/16/2017 14:40

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/l	mg/l	mg/l	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	0.027	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	0.014	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	0.0009 J	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	0.0007 J	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	0.002 J	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	0.006	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	0.001 J	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-1-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164568
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submittal Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 14:40

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/l	mg/l	
10335	Toluene	108-88-3	0.002	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	0.037	0.0005	0.001	1
GC Volatiles			AK 101	mg/l	mg/l	
01438	TPH-GRO AK water C6-C10	n.a.	0.60	0.010	0.10	1
GC Petroleum Hydrocarbons			AK 102-SV 4/8/02	mg/l	mg/l	
13025	DRO C10-C25	n.a.	0.29	0.050	0.25	1

The recovery for the LCSD is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172342AA	08/23/2017 03:37	Patrick T Herres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4172342AA	08/23/2017 03:37	Patrick T Herres	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17232A53A	08/21/2017 12:15	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17232A53A	08/21/2017 12:15	Brett W Kenyon	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	172340042A	08/26/2017 05:26	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	172340042A	08/23/2017 08:00	Oswaldo R Sanchez	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-2-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164569
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35

Collection Date/Time: 08/16/2017 13:53

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/l	mg/l	mg/l	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	N.D.	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	N.D.	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	N.D.	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	N.D.	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-2-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164569
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 13:53

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/l	mg/l	
10335	Toluene	108-88-3	N.D.	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	N.D.	0.0005	0.001	1
GC/MS Semivolatiles			SW-846 8270C SIM	mg/l	mg/l	
08357	Acenaphthene	83-32-9	N.D.	0.0000096	0.000048	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000096	0.000048	1
08357	Anthracene	120-12-7	N.D.	0.0000096	0.000048	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000096	0.000048	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000096	0.000048	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000096	0.000048	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000096	0.000048	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000096	0.000048	1
08357	Chrysene	218-01-9	N.D.	0.0000096	0.000048	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000096	0.000048	1
08357	Fluoranthene	206-44-0	N.D.	0.0000096	0.000048	1
08357	Fluorene	86-73-7	N.D.	0.0000096	0.000048	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000096	0.000048	1
08357	Naphthalene	91-20-3	N.D.	0.000029	0.000058	1
08357	Phenanthrene	85-01-8	N.D.	0.000029	0.000058	1
08357	Pyrene	129-00-0	N.D.	0.0000096	0.000048	1
GC Volatiles			AK 101	mg/l	mg/l	
01438	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	0.10	1
GC Petroleum Hydrocarbons			AK 102-SV 4/8/02	mg/l	mg/l	
13025	DRO C10-C25	n.a.	0.18 J	0.051	0.25	1

The recovery for the LCSD is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-2-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164569
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submittal Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 13:53

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172342AA	08/23/2017 04:00	Patrick T Herres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4172342AA	08/23/2017 04:00	Patrick T Herres	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17233WAN026	08/23/2017 18:15	Catherine E Bachman	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17233WAN026	08/21/2017 17:15	Ryan J Dowdy	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17235C20A	08/23/2017 12:51	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17235C20A	08/23/2017 12:51	Brett W Kenyon	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	172340042A	08/26/2017 05:51	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	172340042A	08/23/2017 08:00	Osvaldo R Sanchez	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-3-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164570
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35

Collection Date/Time: 08/16/2017 12:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/l	mg/l	mg/l	
10335	Acetone	67-64-1	0.025 J	0.012	0.040	2
10335	Benzene	71-43-2	0.12	0.001	0.002	2
10335	Bromodichloromethane	75-27-4	N.D.	0.001	0.002	2
10335	Bromoform	75-25-2	N.D.	0.001	0.008	2
10335	Bromomethane	74-83-9	N.D.	0.001	0.002	2
10335	2-Butanone	78-93-3	0.013 J	0.006	0.020	2
10335	Carbon Disulfide	75-15-0	N.D.	0.002	0.010	2
10335	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.002	2
10335	Chlorobenzene	108-90-7	N.D.	0.001	0.002	2
10335	Chloroethane	75-00-3	N.D.	0.001	0.002	2
10335	Chloroform	67-66-3	N.D.	0.001	0.002	2
10335	Chloromethane	74-87-3	N.D.	0.001	0.002	2
10335	Cyclohexane	110-82-7	0.19	0.004	0.010	2
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.004	0.010	2
10335	Dibromochloromethane	124-48-1	N.D.	0.001	0.002	2
10335	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.002	2
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.002	0.010	2
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.002	0.010	2
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.002	0.010	2
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.001	0.002	2
10335	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.002	2
10335	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.002	2
10335	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.002	2
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.002	2
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.002	2
10335	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.002	2
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.002	2
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.002	2
10335	Ethylbenzene	100-41-4	0.41	0.001	0.002	2
10335	Freon 113	76-13-1	N.D.	0.004	0.020	2
10335	2-Hexanone	591-78-6	N.D.	0.006	0.020	2
10335	Isopropylbenzene	98-82-8	0.032	0.002	0.010	2
10335	Methyl Acetate	79-20-9	N.D.	0.002	0.010	2
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.002	2
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.006	0.020	2
10335	Methylcyclohexane	108-87-2	0.12	0.002	0.010	2
10335	Methylene Chloride	75-09-2	N.D.	0.004	0.008	2
10335	Naphthalene	91-20-3	0.19	0.002	0.010	2
10335	Styrene	100-42-5	N.D.	0.002	0.010	2
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.002	2
10335	Tetrachloroethene	127-18-4	N.D.	0.001	0.002	2

*=This limit was used in the evaluation of the final result

Sample Description: MW-3-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164570
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 12:55

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/l	mg/l	
10335	Toluene	108-88-3	0.035	0.001	0.002	2
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.002	0.010	2
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.002	2
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.002	2
10335	Trichloroethene	79-01-6	N.D.	0.001	0.002	2
10335	Trichlorofluoromethane	75-69-4	0.003	0.001	0.002	2
10335	Vinyl Chloride	75-01-4	N.D.	0.001	0.002	2
10335	Xylene (Total)	1330-20-7	1.8	0.010	0.020	20
GC/MS Semivolatiles			SW-846 8270C SIM	mg/l	mg/l	
08357	Acenaphthene	83-32-9	0.000041 J	0.0000095	0.000048	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000095	0.000048	1
08357	Anthracene	120-12-7	N.D.	0.0000095	0.000048	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000095	0.000048	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000095	0.000048	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000095	0.000048	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000095	0.000048	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000095	0.000048	1
08357	Chrysene	218-01-9	N.D.	0.0000095	0.000048	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000095	0.000048	1
08357	Fluoranthene	206-44-0	N.D.	0.0000095	0.000048	1
08357	Fluorene	86-73-7	0.000027 J	0.0000095	0.000048	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000095	0.000048	1
08357	Naphthalene	91-20-3	0.15	0.00057	0.0011	20
08357	Phenanthrene	85-01-8	0.000039 J	0.000029	0.000057	1
08357	Pyrene	129-00-0	N.D.	0.0000095	0.000048	1
GC Volatiles			AK 101	mg/l	mg/l	
01438	TPH-GRO AK water C6-C10	n.a.	13	0.10	1.0	10
GC Petroleum Hydrocarbons			AK 102-SV 4/8/02	mg/l	mg/l	
13025	DRO C10-C25	n.a.	2.6	0.051	0.25	1

The recovery for the LCSD is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-3-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164570
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submittal Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 12:55

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172342AA	08/23/2017 04:22	Patrick T Herres	2
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172342AA	08/23/2017 04:45	Patrick T Herres	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4172342AA	08/23/2017 04:22	Patrick T Herres	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	4172342AA	08/23/2017 04:45	Patrick T Herres	20
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17233WAN026	08/23/2017 18:43	Catherine E Bachman	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17233WAN026	08/24/2017 01:07	Catherine E Bachman	20
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17233WAN026	08/21/2017 17:15	Ryan J Dowdy	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17232A53A	08/21/2017 15:58	Brett W Kenyon	10
01146	GC VOA Water Prep	SW-846 5030B	1	17232A53A	08/21/2017 15:58	Brett W Kenyon	10
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	172340042A	08/26/2017 06:15	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	172340042A	08/23/2017 08:00	Oswaldo R Sanchez	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-4-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164571
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35

Collection Date/Time: 08/16/2017 10:12

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles		SW-846 8260B	mg/l	mg/l	mg/l	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	N.D.	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	N.D.	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	0.0007 J	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	0.0007 J	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	N.D.	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	N.D.	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-4-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164571
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submittal Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 10:12

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles		SW-846 8260B	mg/l	mg/l	mg/l	
10335	Toluene	108-88-3	N.D.	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	N.D.	0.0005	0.001	1
GC Volatiles		AK 101	mg/l	mg/l	mg/l	
01438	TPH-GRO AK water C6-C10	n.a.	0.032 J	0.010	0.10	1
GC Petroleum Hydrocarbons		AK 102-SV 4/8/02	mg/l	mg/l	mg/l	
13025	DRO C10-C25	n.a.	0.16 J	0.050	0.25	1

The recovery for the LCSD is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172351AA	08/23/2017 12:34	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4172351AA	08/23/2017 12:34	Daniel H Heller	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17232A53A	08/21/2017 13:11	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17232A53A	08/21/2017 13:11	Brett W Kenyon	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	172340042A	08/26/2017 06:39	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	172340042A	08/23/2017 08:00	Osvaldo R Sanchez	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-5-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164572
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35

Collection Date/Time: 08/16/2017 11:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/l	mg/l	mg/l	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	0.008	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	0.013	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	0.003	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	0.004 J	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	0.001 J	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-5-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164572
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submittal Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 11:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles		SW-846 8260B	mg/l	mg/l	mg/l	
10335	Toluene	108-88-3	0.0008 J	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	0.018	0.0005	0.001	1
GC Volatiles		AK 101	mg/l	mg/l	mg/l	
01438	TPH-GRO AK water C6-C10	n.a.	0.32	0.010	0.10	1
GC Petroleum Hydrocarbons		AK 102-SV 4/8/02	mg/l	mg/l	mg/l	
13025	DRO C10-C25	n.a.	0.25 J	0.052	0.26	1

The recovery for the LCSD is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172351AA	08/23/2017 14:51	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4172351AA	08/23/2017 14:51	Daniel H Heller	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17232A53A	08/21/2017 13:39	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17232A53A	08/21/2017 13:39	Brett W Kenyon	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	172340042A	08/26/2017 07:04	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	172340042A	08/23/2017 08:00	Osvaldo R Sanchez	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-6-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164573
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 15:26

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/l	mg/l	mg/l	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	N.D.	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	N.D.	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	N.D.	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	N.D.	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-6-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164573
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 15:26

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/l	mg/l	
10335	Toluene	108-88-3	N.D.	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	N.D.	0.0005	0.001	1
GC/MS Semivolatiles			SW-846 8270C SIM	mg/l	mg/l	
08357	Acenaphthene	83-32-9	N.D.	0.0000098	0.000049	1
08357	Acenaphthylene	208-96-8	0.000012 J	0.0000098	0.000049	1
08357	Anthracene	120-12-7	N.D.	0.0000098	0.000049	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000098	0.000049	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000098	0.000049	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000098	0.000049	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000098	0.000049	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000098	0.000049	1
08357	Chrysene	218-01-9	N.D.	0.0000098	0.000049	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000098	0.000049	1
08357	Fluoranthene	206-44-0	N.D.	0.0000098	0.000049	1
08357	Fluorene	86-73-7	N.D.	0.0000098	0.000049	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000098	0.000049	1
08357	Naphthalene	91-20-3	N.D.	0.000030	0.000059	1
08357	Phenanthrene	85-01-8	N.D.	0.000030	0.000059	1
08357	Pyrene	129-00-0	N.D.	0.0000098	0.000049	1
GC Volatiles			AK 101	mg/l	mg/l	
01438	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	0.10	1
GC Petroleum Hydrocarbons			AK 102-SV 4/8/02	mg/l	mg/l	
13025	DRO C10-C25	n.a.	1.7	0.051	0.25	1

The recovery for the LCSD is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-6-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164573
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submittal Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 15:26

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172351AA	08/23/2017 15:14	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4172351AA	08/23/2017 15:14	Daniel H Heller	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17233WAN026	08/23/2017 23:18	Catherine E Bachman	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17233WAN026	08/21/2017 17:15	Ryan J Dowdy	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17232A53A	08/21/2017 14:06	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17232A53A	08/21/2017 14:06	Brett W Kenyon	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	172340042A	08/26/2017 07:28	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	172340042A	08/23/2017 08:00	Osvaldo R Sanchez	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-7-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164574
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 11:02

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/l	mg/l	mg/l	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	0.12	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	0.16	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	0.001	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	0.20	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	0.019	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	0.12	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	0.056	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-7-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164574
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 11:02

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/l	mg/l	
10335	Toluene	108-88-3	0.015	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	0.54	0.0005	0.001	1
GC/MS Semivolatiles			SW-846 8270C SIM	mg/l	mg/l	
08357	Acenaphthene	83-32-9	0.000039 J	0.0000096	0.000048	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000096	0.000048	1
08357	Anthracene	120-12-7	N.D.	0.0000096	0.000048	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000096	0.000048	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000096	0.000048	1
08357	Benzo(b)fluoranthene	205-99-2	0.000013 J	0.0000096	0.000048	1
08357	Benzo(g,h,i)perylene	191-24-2	0.000014 J	0.0000096	0.000048	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000096	0.000048	1
08357	Chrysene	218-01-9	0.000013 J	0.0000096	0.000048	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000096	0.000048	1
08357	Fluoranthene	206-44-0	N.D.	0.0000096	0.000048	1
08357	Fluorene	86-73-7	0.000016 J	0.0000096	0.000048	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000096	0.000048	1
08357	Naphthalene	91-20-3	0.038	0.00029	0.00058	10
08357	Phenanthrene	85-01-8	N.D.	0.000029	0.000058	1
08357	Pyrene	129-00-0	N.D.	0.0000096	0.000048	1
GC Volatiles			AK 101	mg/l	mg/l	
01438	TPH-GRO AK water C6-C10	n.a.	5.2	0.10	1.0	10
GC Petroleum Hydrocarbons			AK 102-SV 4/8/02	mg/l	mg/l	
13025	DRO C10-C25	n.a.	0.73	0.051	0.25	1

The recovery for the LCSD is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-7-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164574
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submittal Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 11:02

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172361AA	08/24/2017 15:33	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4172361AA	08/24/2017 15:33	Daniel H Heller	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17233WAN026	08/23/2017 23:45	Catherine E Bachman	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17233WAN026	08/24/2017 15:40	Catherine E Bachman	10
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17233WAN026	08/21/2017 17:15	Ryan J Dowdy	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17232A53A	08/21/2017 16:26	Brett W Kenyon	10
01146	GC VOA Water Prep	SW-846 5030B	1	17232A53A	08/21/2017 16:26	Brett W Kenyon	10
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	172340042A	08/26/2017 07:52	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	172340042A	08/23/2017 08:00	Osvaldo R Sanchez	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-8-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164575
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35

Collection Date/Time: 08/16/2017 09:10

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/l	mg/l	mg/l	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	0.059	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	0.048	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	0.001	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	0.0006 J	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	0.040	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	0.008	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	0.020	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	0.004 J	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-8-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164575
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submittal Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 09:10

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/l	mg/l	
10335	Toluene	108-88-3	0.004	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	0.038	0.0005	0.001	1
GC Volatiles			AK 101	mg/l	mg/l	
01438	TPH-GRO AK water C6-C10	n.a.	2.2	0.010	0.10	1
GC Petroleum Hydrocarbons			AK 102-SV 4/8/02	mg/l	mg/l	
13025	DRO C10-C25	n.a.	0.39	0.050	0.25	1

The recovery for the LCSD is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172352AA	08/24/2017 04:11	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4172352AA	08/24/2017 04:11	Matthew S Krause	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17232A53A	08/21/2017 14:34	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17232A53A	08/21/2017 14:34	Brett W Kenyon	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	172340042A	08/26/2017 08:16	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	172340042A	08/23/2017 08:00	Osvaldo R Sanchez	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-10-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164576
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35

Collection Date/Time: 08/16/2017 08:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/l	mg/l	mg/l	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	N.D.	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	N.D.	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	N.D.	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	N.D.	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-10-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164576
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35

Collection Date/Time: 08/16/2017 08:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/l	mg/l	
10335	Toluene	108-88-3	N.D.	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	N.D.	0.0005	0.001	1
GC/MS Semivolatiles			SW-846 8270C SIM	mg/l	mg/l	
08357	Acenaphthene	83-32-9	N.D.	0.0000094	0.000047	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000094	0.000047	1
08357	Anthracene	120-12-7	N.D.	0.0000094	0.000047	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000094	0.000047	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000094	0.000047	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000094	0.000047	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000094	0.000047	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000094	0.000047	1
08357	Chrysene	218-01-9	N.D.	0.0000094	0.000047	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000094	0.000047	1
08357	Fluoranthene	206-44-0	N.D.	0.0000094	0.000047	1
08357	Fluorene	86-73-7	N.D.	0.0000094	0.000047	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000094	0.000047	1
08357	Naphthalene	91-20-3	N.D.	0.000028	0.000057	1
08357	Phenanthrene	85-01-8	N.D.	0.000028	0.000057	1
08357	Pyrene	129-00-0	N.D.	0.0000094	0.000047	1
GC Volatiles			AK 101	mg/l	mg/l	
01438	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	0.10	1
GC Petroleum Hydrocarbons			AK 102-SV 4/8/02	mg/l	mg/l	
13025	DRO C10-C25	n.a.	0.19 J	0.050	0.25	1

The recovery for the laboratory control spike(s) is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: MW-10-W-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164576
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017 08:20

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172352AA	08/24/2017 04:33	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4172352AA	08/24/2017 04:33	Matthew S Krause	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17233WAN026	08/24/2017 00:13	Catherine E Bachman	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17233WAN026	08/21/2017 17:15	Ryan J Dowdy	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17232A53A	08/21/2017 15:02	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17232A53A	08/21/2017 15:02	Brett W Kenyon	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	172360012A	08/26/2017 00:59	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	172360012A	08/24/2017 20:27	Kate E Lutte	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DUP-1-WD-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164577
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/l	mg/l	mg/l	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	0.058	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	0.047	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	0.0006 J	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	0.039	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	0.007	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	0.019	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	0.004 J	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DUP-1-WD-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164577
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles		SW-846 8260B	mg/l	mg/l	mg/l	
10335	Toluene	108-88-3	0.004	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	0.035	0.0005	0.001	1
GC Volatiles		AK 101	mg/l	mg/l	mg/l	
01438	TPH-GRO AK water C6-C10	n.a.	2.2	0.010	0.10	1
GC Petroleum Hydrocarbons		AK 102-SV 4/8/02	mg/l	mg/l	mg/l	
13025	DRO C10-C25	n.a.	0.48	0.052	0.26	1

The recovery for the laboratory control spike(s) is outside the method acceptance limits as noted on the QC Summary. Since the recovery is within our statistically derived limits the data is reported.

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172352AA	08/24/2017 05:19	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4172352AA	08/24/2017 05:19	Matthew S Krause	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17232A53A	08/21/2017 15:30	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17232A53A	08/21/2017 15:30	Brett W Kenyon	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	172360012A	08/26/2017 01:24	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	172360012A	08/24/2017 20:27	Kate E Lutte	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DUP-2-WD-170816 Grab Groundwater
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164578
ELLE Group #: 1839840
Matrix: Groundwater

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles		SW-846 8270C SIM	mg/l	mg/l	mg/l	
08357	Acenaphthene	83-32-9	0.000046 J	0.0000097	0.000048	1
08357	Acenaphthylene	208-96-8	0.000019 J	0.0000097	0.000048	1
08357	Anthracene	120-12-7	0.000048 J	0.0000097	0.000048	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000097	0.000048	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000097	0.000048	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000097	0.000048	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000097	0.000048	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000097	0.000048	1
08357	Chrysene	218-01-9	N.D.	0.0000097	0.000048	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000097	0.000048	1
08357	Fluoranthene	206-44-0	N.D.	0.0000097	0.000048	1
08357	Fluorene	86-73-7	0.000024 J	0.0000097	0.000048	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000097	0.000048	1
08357	Naphthalene	91-20-3	0.19	0.0015	0.0029	50
08357	Phenanthrene	85-01-8	N.D.	0.000029	0.000058	1
08357	Pyrene	129-00-0	N.D.	0.0000097	0.000048	1

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17233WAN026	08/24/2017 00:40	Catherine E Bachman	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17233WAN026	08/24/2017 16:07	Catherine E Bachman	50
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17233WAN026	08/21/2017 17:15	Ryan J Dowdy	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: QA-1-T-170816 Water
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164579
ELLE Group #: 1839840
Matrix: Water

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles			mg/l	mg/l	mg/l	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	N.D.	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	N.D.	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	N.D.	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	N.D.	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: QA-1-T-170816 Water
Facility# 95414
5210 Old Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9164579
ELLE Group #: 1839840
Matrix: Water

Project Name: 95414

Submission Date/Time: 08/18/2017 09:35
Collection Date/Time: 08/16/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles		SW-846 8260B	mg/l	mg/l	mg/l	
10335	Toluene	108-88-3	N.D.	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	N.D.	0.0005	0.001	1
GC Volatiles		AK 101	mg/l	mg/l	mg/l	
01438	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	0.10	1

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	4172352AA	08/24/2017 04:56	Matthew S Krause	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4172352AA	08/24/2017 04:56	Matthew S Krause	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17232A53A	08/21/2017 11:47	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17232A53A	08/21/2017 11:47	Brett W Kenyon	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: 4172342AA	Sample number(s): 9164568-9164570		
Acetone	N.D.	0.006	0.020
Benzene	N.D.	0.0005	0.001
Bromodichloromethane	N.D.	0.0005	0.001
Bromoform	N.D.	0.0005	0.004
Bromomethane	N.D.	0.0005	0.001
2-Butanone	N.D.	0.003	0.010
Carbon Disulfide	N.D.	0.001	0.005
Carbon Tetrachloride	N.D.	0.0005	0.001
Chlorobenzene	N.D.	0.0005	0.001
Chloroethane	N.D.	0.0005	0.001
Chloroform	N.D.	0.0005	0.001
Chloromethane	N.D.	0.0005	0.001
Cyclohexane	N.D.	0.002	0.005
1,2-Dibromo-3-chloropropane	N.D.	0.002	0.005
Dibromochloromethane	N.D.	0.0005	0.001
1,2-Dibromoethane	N.D.	0.0005	0.001
1,2-Dichlorobenzene	N.D.	0.001	0.005
1,3-Dichlorobenzene	N.D.	0.001	0.005
1,4-Dichlorobenzene	N.D.	0.001	0.005
Dichlorodifluoromethane	N.D.	0.0005	0.001
1,1-Dichloroethane	N.D.	0.0005	0.001
1,2-Dichloroethane	N.D.	0.0005	0.001
1,1-Dichloroethene	N.D.	0.0005	0.001
cis-1,2-Dichloroethene	N.D.	0.0005	0.001
trans-1,2-Dichloroethene	N.D.	0.0005	0.001
1,2-Dichloropropane	N.D.	0.0005	0.001
cis-1,3-Dichloropropene	N.D.	0.0005	0.001
trans-1,3-Dichloropropene	N.D.	0.0005	0.001
Ethylbenzene	N.D.	0.0005	0.001
Freon 113	N.D.	0.002	0.010
2-Hexanone	N.D.	0.003	0.010
Isopropylbenzene	N.D.	0.001	0.005
Methyl Acetate	N.D.	0.001	0.005
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.001
4-Methyl-2-pentanone	N.D.	0.003	0.010
Methylcyclohexane	N.D.	0.001	0.005
Methylene Chloride	N.D.	0.002	0.004
Naphthalene	N.D.	0.001	0.005
Styrene	N.D.	0.001	0.005

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
1,1,2,2-Tetrachloroethane	N.D.	0.0005	0.001
Tetrachloroethene	N.D.	0.0005	0.001
Toluene	N.D.	0.0005	0.001
1,2,4-Trichlorobenzene	N.D.	0.001	0.005
1,1,1-Trichloroethane	N.D.	0.0005	0.001
1,1,2-Trichloroethane	N.D.	0.0005	0.001
Trichloroethene	N.D.	0.0005	0.001
Trichlorofluoromethane	N.D.	0.0005	0.001
Vinyl Chloride	N.D.	0.0005	0.001
Xylene (Total)	N.D.	0.0005	0.001
Batch number: 4172351AA Sample number(s): 9164571-9164573			
Acetone	N.D.	0.006	0.020
Benzene	N.D.	0.0005	0.001
Bromodichloromethane	N.D.	0.0005	0.001
Bromoform	N.D.	0.0005	0.004
Bromomethane	N.D.	0.0005	0.001
2-Butanone	N.D.	0.003	0.010
Carbon Disulfide	N.D.	0.001	0.005
Carbon Tetrachloride	N.D.	0.0005	0.001
Chlorobenzene	N.D.	0.0005	0.001
Chloroethane	N.D.	0.0005	0.001
Chloroform	N.D.	0.0005	0.001
Chloromethane	N.D.	0.0005	0.001
Cyclohexane	N.D.	0.002	0.005
1,2-Dibromo-3-chloropropane	N.D.	0.002	0.005
Dibromochloromethane	N.D.	0.0005	0.001
1,2-Dibromoethane	N.D.	0.0005	0.001
1,2-Dichlorobenzene	N.D.	0.001	0.005
1,3-Dichlorobenzene	N.D.	0.001	0.005
1,4-Dichlorobenzene	N.D.	0.001	0.005
Dichlorodifluoromethane	N.D.	0.0005	0.001
1,1-Dichloroethane	N.D.	0.0005	0.001
1,2-Dichloroethane	N.D.	0.0005	0.001
1,1-Dichloroethene	N.D.	0.0005	0.001
cis-1,2-Dichloroethene	N.D.	0.0005	0.001
trans-1,2-Dichloroethene	N.D.	0.0005	0.001
1,2-Dichloropropane	N.D.	0.0005	0.001
cis-1,3-Dichloropropene	N.D.	0.0005	0.001
trans-1,3-Dichloropropene	N.D.	0.0005	0.001
Ethylbenzene	N.D.	0.0005	0.001
Freon 113	N.D.	0.002	0.010
2-Hexanone	N.D.	0.003	0.010
Isopropylbenzene	N.D.	0.001	0.005
Methyl Acetate	N.D.	0.001	0.005

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.001
4-Methyl-2-pentanone	N.D.	0.003	0.010
Methylcyclohexane	N.D.	0.001	0.005
Methylene Chloride	N.D.	0.002	0.004
Naphthalene	N.D.	0.001	0.005
Styrene	N.D.	0.001	0.005
1,1,2,2-Tetrachloroethane	N.D.	0.0005	0.001
Tetrachloroethene	N.D.	0.0005	0.001
Toluene	N.D.	0.0005	0.001
1,2,4-Trichlorobenzene	N.D.	0.001	0.005
1,1,1-Trichloroethane	N.D.	0.0005	0.001
1,1,2-Trichloroethane	N.D.	0.0005	0.001
Trichloroethene	N.D.	0.0005	0.001
Trichlorofluoromethane	N.D.	0.0005	0.001
Vinyl Chloride	N.D.	0.0005	0.001
Xylene (Total)	N.D.	0.0005	0.001
Batch number: 4172352AA	Sample number(s): 9164575-9164577,9164579		
Acetone	N.D.	0.006	0.020
Benzene	N.D.	0.0005	0.001
Bromodichloromethane	N.D.	0.0005	0.001
Bromoform	N.D.	0.0005	0.004
Bromomethane	N.D.	0.0005	0.001
2-Butanone	N.D.	0.003	0.010
Carbon Disulfide	N.D.	0.001	0.005
Carbon Tetrachloride	N.D.	0.0005	0.001
Chlorobenzene	N.D.	0.0005	0.001
Chloroethane	N.D.	0.0005	0.001
Chloroform	N.D.	0.0005	0.001
Chloromethane	N.D.	0.0005	0.001
Cyclohexane	N.D.	0.002	0.005
1,2-Dibromo-3-chloropropane	N.D.	0.002	0.005
Dibromochloromethane	N.D.	0.0005	0.001
1,2-Dibromoethane	N.D.	0.0005	0.001
1,2-Dichlorobenzene	N.D.	0.001	0.005
1,3-Dichlorobenzene	N.D.	0.001	0.005
1,4-Dichlorobenzene	N.D.	0.001	0.005
Dichlorodifluoromethane	N.D.	0.0005	0.001
1,1-Dichloroethane	N.D.	0.0005	0.001
1,2-Dichloroethane	N.D.	0.0005	0.001
1,1-Dichloroethene	N.D.	0.0005	0.001
cis-1,2-Dichloroethene	N.D.	0.0005	0.001
trans-1,2-Dichloroethene	N.D.	0.0005	0.001
1,2-Dichloropropane	N.D.	0.0005	0.001
cis-1,3-Dichloropropene	N.D.	0.0005	0.001

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
trans-1,3-Dichloropropene	N.D.	0.0005	0.001
Ethylbenzene	N.D.	0.0005	0.001
Freon 113	N.D.	0.002	0.010
2-Hexanone	N.D.	0.003	0.010
Isopropylbenzene	N.D.	0.001	0.005
Methyl Acetate	N.D.	0.001	0.005
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.001
4-Methyl-2-pentanone	N.D.	0.003	0.010
Methylcyclohexane	N.D.	0.001	0.005
Methylene Chloride	N.D.	0.002	0.004
Naphthalene	N.D.	0.001	0.005
Styrene	N.D.	0.001	0.005
1,1,2,2-Tetrachloroethane	N.D.	0.0005	0.001
Tetrachloroethene	N.D.	0.0005	0.001
Toluene	N.D.	0.0005	0.001
1,2,4-Trichlorobenzene	N.D.	0.001	0.005
1,1,1-Trichloroethane	N.D.	0.0005	0.001
1,1,2-Trichloroethane	N.D.	0.0005	0.001
Trichloroethene	N.D.	0.0005	0.001
Trichlorofluoromethane	N.D.	0.0005	0.001
Vinyl Chloride	N.D.	0.0005	0.001
Xylene (Total)	N.D.	0.0005	0.001
Batch number: 4172361AA	Sample number(s): 9164574		
Acetone	N.D.	0.006	0.020
Benzene	N.D.	0.0005	0.001
Bromodichloromethane	N.D.	0.0005	0.001
Bromoform	N.D.	0.0005	0.004
Bromomethane	N.D.	0.0005	0.001
2-Butanone	N.D.	0.003	0.010
Carbon Disulfide	N.D.	0.001	0.005
Carbon Tetrachloride	N.D.	0.0005	0.001
Chlorobenzene	N.D.	0.0005	0.001
Chloroethane	N.D.	0.0005	0.001
Chloroform	N.D.	0.0005	0.001
Chloromethane	N.D.	0.0005	0.001
Cyclohexane	N.D.	0.002	0.005
1,2-Dibromo-3-chloropropane	N.D.	0.002	0.005
Dibromochloromethane	N.D.	0.0005	0.001
1,2-Dibromoethane	N.D.	0.0005	0.001
1,2-Dichlorobenzene	N.D.	0.001	0.005
1,3-Dichlorobenzene	N.D.	0.001	0.005
1,4-Dichlorobenzene	N.D.	0.001	0.005
Dichlorodifluoromethane	N.D.	0.0005	0.001
1,1-Dichloroethane	N.D.	0.0005	0.001

*- Outside of specification

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(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
1,2-Dichloroethane	N.D.	0.0005	0.001
1,1-Dichloroethene	N.D.	0.0005	0.001
cis-1,2-Dichloroethene	N.D.	0.0005	0.001
trans-1,2-Dichloroethene	N.D.	0.0005	0.001
1,2-Dichloropropane	N.D.	0.0005	0.001
cis-1,3-Dichloropropene	N.D.	0.0005	0.001
trans-1,3-Dichloropropene	N.D.	0.0005	0.001
Ethylbenzene	N.D.	0.0005	0.001
Freon 113	N.D.	0.002	0.010
2-Hexanone	N.D.	0.003	0.010
Isopropylbenzene	N.D.	0.001	0.005
Methyl Acetate	N.D.	0.001	0.005
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.001
4-Methyl-2-pentanone	N.D.	0.003	0.010
Methylcyclohexane	N.D.	0.001	0.005
Methylene Chloride	N.D.	0.002	0.004
Naphthalene	N.D.	0.001	0.005
Styrene	N.D.	0.001	0.005
1,1,2,2-Tetrachloroethane	N.D.	0.0005	0.001
Tetrachloroethene	N.D.	0.0005	0.001
Toluene	N.D.	0.0005	0.001
1,2,4-Trichlorobenzene	N.D.	0.001	0.005
1,1,1-Trichloroethane	N.D.	0.0005	0.001
1,1,2-Trichloroethane	N.D.	0.0005	0.001
Trichloroethene	N.D.	0.0005	0.001
Trichlorofluoromethane	N.D.	0.0005	0.001
Vinyl Chloride	N.D.	0.0005	0.001
Xylene (Total)	N.D.	0.0005	0.001
Batch number: 17233WAN026	Sample number(s): 9164569-9164570,9164573-9164574,9164576,9164578		
Acenaphthene	N.D.	0.000010	0.000050
Acenaphthylene	N.D.	0.000010	0.000050
Anthracene	N.D.	0.000010	0.000050
Benzo(a)anthracene	N.D.	0.000010	0.000050
Benzo(a)pyrene	N.D.	0.000010	0.000050
Benzo(b)fluoranthene	N.D.	0.000010	0.000050
Benzo(g,h,i)perylene	N.D.	0.000010	0.000050
Benzo(k)fluoranthene	N.D.	0.000010	0.000050
Chrysene	N.D.	0.000010	0.000050
Dibenz(a,h)anthracene	N.D.	0.000010	0.000050
Fluoranthene	N.D.	0.000010	0.000050
Fluorene	N.D.	0.000010	0.000050
Indeno(1,2,3-cd)pyrene	N.D.	0.000010	0.000050
Naphthalene	N.D.	0.000030	0.000060
Phenanthrene	N.D.	0.000030	0.000060

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Pyrene	N.D.	0.000010	0.000050
Batch number: 17232A53A TPH-GRO AK water C6-C10	Sample number(s): 9164568,9164570-9164577,9164579 N.D.	0.010	0.10
Batch number: 17235C20A TPH-GRO AK water C6-C10	Sample number(s): 9164569 N.D.	0.010	0.10
Batch number: 172340042A DRO C10-C25	Sample number(s): 9164568-9164575 N.D.	0.050	0.25
Batch number: 172360012A DRO C10-C25	Sample number(s): 9164576-9164577 N.D.	0.050	0.25

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Batch number: 4172342AA	Sample number(s): 9164568-9164570								
Acetone	0.150	0.124	0.150	0.120	83	80	44-177	3	30
Benzene	0.0200	0.0175	0.0200	0.0172	88	86	78-120	2	30
Bromodichloromethane	0.0200	0.0173	0.0200	0.0168	87	84	71-120	3	30
Bromoform	0.0200	0.0153	0.0200	0.0151	76	75	59-120	1	30
Bromomethane	0.0200	0.0204	0.0200	0.0199	102	100	44-139	2	30
2-Butanone	0.150	0.124	0.150	0.123	83	82	53-140	1	30
Carbon Disulfide	0.0200	0.0193	0.0200	0.0189	97	95	65-128	2	30
Carbon Tetrachloride	0.0200	0.0192	0.0200	0.0185	96	93	68-128	4	30
Chlorobenzene	0.0200	0.0171	0.0200	0.0168	86	84	80-120	2	30
Chloroethane	0.0200	0.0188	0.0200	0.0184	94	92	52-127	2	30
Chloroform	0.0200	0.0183	0.0200	0.0181	92	91	80-120	1	30
Chloromethane	0.0200	0.0183	0.0200	0.0180	91	90	57-120	2	30
Cyclohexane	0.0200	0.0167	0.0200	0.0164	84	82	67-121	2	30
1,2-Dibromo-3-chloropropane	0.0200	0.0162	0.0200	0.0162	81	81	64-120	1	30
Dibromochloromethane	0.0200	0.0169	0.0200	0.0165	85	83	71-120	2	30
1,2-Dibromoethane	0.0200	0.0168	0.0200	0.0167	84	84	75-120	1	30
1,2-Dichlorobenzene	0.0200	0.0163	0.0200	0.0164	82	82	80-120	0	30
1,3-Dichlorobenzene	0.0200	0.0161	0.0200	0.0162	81	81	80-120	1	30
1,4-Dichlorobenzene	0.0200	0.0165	0.0200	0.0163	83	82	80-120	1	30
Dichlorodifluoromethane	0.0200	0.0202	0.0200	0.0197	101	99	47-124	2	30
1,1-Dichloroethane	0.0200	0.0178	0.0200	0.0175	89	87	80-120	2	30
1,2-Dichloroethane	0.0200	0.0185	0.0200	0.0184	92	92	73-124	0	30
1,1-Dichloroethene	0.0200	0.0200	0.0200	0.0194	100	97	76-124	3	30
cis-1,2-Dichloroethene	0.0200	0.0185	0.0200	0.0179	92	90	80-120	3	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
trans-1,2-Dichloroethene	0.0200	0.0188	0.0200	0.0187	94	94	80-120	1	30
1,2-Dichloropropane	0.0200	0.0172	0.0200	0.0170	86	85	80-120	1	30
cis-1,3-Dichloropropene	0.0200	0.0164	0.0200	0.0163	82	82	75-120	1	30
trans-1,3-Dichloropropene	0.0200	0.0161	0.0200	0.0160	80	80	76-120	0	30
Ethylbenzene	0.0200	0.0169	0.0200	0.0167	84	83	78-120	1	30
Freon 113	0.0200	0.0211	0.0200	0.0203	106	102	68-137	4	30
2-Hexanone	0.100	0.0625	0.100	0.0619	63	62	60-134	1	30
Isopropylbenzene	0.0200	0.0168	0.0200	0.0167	84	83	80-120	1	30
Methyl Acetate	0.0200	0.0166	0.0200	0.0165	83	83	61-137	0	30
Methyl Tertiary Butyl Ether	0.0200	0.0177	0.0200	0.0176	89	88	75-120	1	30
4-Methyl-2-pentanone	0.100	0.0809	0.100	0.0799	81	80	67-128	1	30
Methylcyclohexane	0.0200	0.0179	0.0200	0.0178	89	89	66-126	0	30
Methylene Chloride	0.0200	0.0177	0.0200	0.0173	89	86	80-120	2	30
Naphthalene	0.0200	0.0153	0.0200	0.0155	77	78	59-120	1	30
Styrene	0.0200	0.0169	0.0200	0.0166	84	83	80-120	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0158	0.0200	0.0158	79	79	72-120	0	30
Tetrachloroethene	0.0200	0.0171	0.0200	0.0167	86	83	80-129	3	30
Toluene	0.0200	0.0170	0.0200	0.0165	85	83	80-120	3	30
1,2,4-Trichlorobenzene	0.0200	0.0152	0.0200	0.0156	76	78	70-120	3	30
1,1,1-Trichloroethane	0.0200	0.0176	0.0200	0.0171	88	86	67-120	3	30
1,1,2-Trichloroethane	0.0200	0.0167	0.0200	0.0168	84	84	80-120	0	30
Trichloroethene	0.0200	0.0178	0.0200	0.0171	89	86	80-120	4	30
Trichlorofluoromethane	0.0200	0.0213	0.0200	0.0206	106	103	52-143	3	30
Vinyl Chloride	0.0200	0.0191	0.0200	0.0184	95	92	63-121	4	30
Xylene (Total)	0.0600	0.0504	0.0600	0.0498	84	83	80-120	1	30
Batch number: 4172351AA	Sample number(s): 9164571-9164573								
Acetone	0.150	0.131			87		44-177		
Benzene	0.0200	0.0176			88		78-120		
Bromodichloromethane	0.0200	0.0170			85		71-120		
Bromoform	0.0200	0.0162			81		59-120		
Bromomethane	0.0200	0.0172			86		44-139		
2-Butanone	0.150	0.124			83		53-140		
Carbon Disulfide	0.0200	0.0174			87		65-128		
Carbon Tetrachloride	0.0200	0.0188			94		68-128		
Chlorobenzene	0.0200	0.0177			89		80-120		
Chloroethane	0.0200	0.0161			81		52-127		
Chloroform	0.0200	0.0182			91		80-120		
Chloromethane	0.0200	0.0169			85		57-120		
Cyclohexane	0.0200	0.0158			79		67-121		
1,2-Dibromo-3-chloropropane	0.0200	0.0162			81		64-120		
Dibromochloromethane	0.0200	0.0177			89		71-120		
1,2-Dibromoethane	0.0200	0.0175			87		75-120		
1,2-Dichlorobenzene	0.0200	0.0169			84		80-120		

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,3-Dichlorobenzene	0.0200	0.0169			85		80-120		
1,4-Dichlorobenzene	0.0200	0.0171			85		80-120		
Dichlorodifluoromethane	0.0200	0.0183			92		47-124		
1,1-Dichloroethane	0.0200	0.0177			88		80-120		
1,2-Dichloroethane	0.0200	0.0180			90		73-124		
1,1-Dichloroethene	0.0200	0.0190			95		76-124		
cis-1,2-Dichloroethene	0.0200	0.0187			94		80-120		
trans-1,2-Dichloroethene	0.0200	0.0186			93		80-120		
1,2-Dichloropropane	0.0200	0.0175			88		80-120		
cis-1,3-Dichloropropene	0.0200	0.0172			86		75-120		
trans-1,3-Dichloropropene	0.0200	0.0173			86		76-120		
Ethylbenzene	0.0200	0.0175			88		78-120		
Freon 113	0.0200	0.0191			96		68-137		
2-Hexanone	0.100	0.0636			64		60-134		
Isopropylbenzene	0.0200	0.0175			88		80-120		
Methyl Acetate	0.0200	0.0158			79		61-137		
Methyl Tertiary Butyl Ether	0.0200	0.0170			85		75-120		
4-Methyl-2-pentanone	0.100	0.0804			80		67-128		
Methylcyclohexane	0.0200	0.0176			88		66-126		
Methylene Chloride	0.0200	0.0175			87		80-120		
Naphthalene	0.0200	0.0159			79		59-120		
Styrene	0.0200	0.0176			88		80-120		
1,1,2,2-Tetrachloroethane	0.0200	0.0163			81		72-120		
Tetrachloroethene	0.0200	0.0180			90		80-129		
Toluene	0.0200	0.0175			88		80-120		
1,2,4-Trichlorobenzene	0.0200	0.0161			80		70-120		
1,1,1-Trichloroethane	0.0200	0.0175			87		67-120		
1,1,2-Trichloroethane	0.0200	0.0173			87		80-120		
Trichloroethene	0.0200	0.0177			89		80-120		
Trichlorofluoromethane	0.0200	0.0191			96		52-143		
Vinyl Chloride	0.0200	0.0175			88		63-121		
Xylene (Total)	0.0600	0.0524			87		80-120		
Batch number: 4172352AA	Sample number(s): 9164575-9164577,9164579								
Acetone	0.150	0.127			85		44-177		
Benzene	0.0200	0.0174			87		78-120		
Bromodichloromethane	0.0200	0.0171			85		71-120		
Bromoform	0.0200	0.0157			78		59-120		
Bromomethane	0.0200	0.0174			87		44-139		
2-Butanone	0.150	0.128			85		53-140		
Carbon Disulfide	0.0200	0.0155			77		65-128		
Carbon Tetrachloride	0.0200	0.0181			91		68-128		
Chlorobenzene	0.0200	0.0177			89		80-120		
Chloroethane	0.0200	0.0163			81		52-127		

*- Outside of specification

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Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloroform	0.0200	0.0180			90		80-120		
Chloromethane	0.0200	0.0177			88		57-120		
Cyclohexane	0.0200	0.0155			78		67-121		
1,2-Dibromo-3-chloropropane	0.0200	0.0174			87		64-120		
Dibromochloromethane	0.0200	0.0170			85		71-120		
1,2-Dibromoethane	0.0200	0.0176			88		75-120		
1,2-Dichlorobenzene	0.0200	0.0172			86		80-120		
1,3-Dichlorobenzene	0.0200	0.0173			86		80-120		
1,4-Dichlorobenzene	0.0200	0.0173			87		80-120		
Dichlorodifluoromethane	0.0200	0.0194			97		47-124		
1,1-Dichloroethane	0.0200	0.0172			86		80-120		
1,2-Dichloroethane	0.0200	0.0180			90		73-124		
1,1-Dichloroethene	0.0200	0.0180			90		76-124		
cis-1,2-Dichloroethene	0.0200	0.0183			91		80-120		
trans-1,2-Dichloroethene	0.0200	0.0183			91		80-120		
1,2-Dichloropropane	0.0200	0.0173			87		80-120		
cis-1,3-Dichloropropene	0.0200	0.0168			84		75-120		
trans-1,3-Dichloropropene	0.0200	0.0170			85		76-120		
Ethylbenzene	0.0200	0.0175			88		78-120		
Freon 113	0.0200	0.0183			92		68-137		
2-Hexanone	0.100	0.0659			66		60-134		
Isopropylbenzene	0.0200	0.0176			88		80-120		
Methyl Acetate	0.0200	0.0164			82		61-137		
Methyl Tertiary Butyl Ether	0.0200	0.0169			85		75-120		
4-Methyl-2-pentanone	0.100	0.0826			83		67-128		
Methylcyclohexane	0.0200	0.0175			87		66-126		
Methylene Chloride	0.0200	0.0173			86		80-120		
Naphthalene	0.0200	0.0166			83		59-120		
Styrene	0.0200	0.0176			88		80-120		
1,1,2,2-Tetrachloroethane	0.0200	0.0168			84		72-120		
Tetrachloroethene	0.0200	0.0176			88		80-129		
Toluene	0.0200	0.0175			87		80-120		
1,2,4-Trichlorobenzene	0.0200	0.0163			81		70-120		
1,1,1-Trichloroethane	0.0200	0.0170			85		67-120		
1,1,2-Trichloroethane	0.0200	0.0177			89		80-120		
Trichloroethene	0.0200	0.0174			87		80-120		
Trichlorofluoromethane	0.0200	0.0189			94		52-143		
Vinyl Chloride	0.0200	0.0182			91		63-121		
Xylene (Total)	0.0600	0.0524			87		80-120		
Batch number: 4172361AA	Sample number(s): 9164574								
Acetone	0.150	0.151			100		44-177		
Benzene	0.0200	0.0195			97		78-120		
Bromodichloromethane	0.0200	0.0186			93		71-120		

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Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromoform	0.0200	0.0166			83		59-120		
Bromomethane	0.0200	0.0199			99		44-139		
2-Butanone	0.150	0.136			91		53-140		
Carbon Disulfide	0.0200	0.0186			93		65-128		
Carbon Tetrachloride	0.0200	0.0198			99		68-128		
Chlorobenzene	0.0200	0.0194			97		80-120		
Chloroethane	0.0200	0.0178			89		52-127		
Chloroform	0.0200	0.0199			99		80-120		
Chloromethane	0.0200	0.0188			94		57-120		
Cyclohexane	0.0200	0.0165			83		67-121		
1,2-Dibromo-3-chloropropane	0.0200	0.0181			90		64-120		
Dibromochloromethane	0.0200	0.0184			92		71-120		
1,2-Dibromoethane	0.0200	0.0191			95		75-120		
1,2-Dichlorobenzene	0.0200	0.0190			95		80-120		
1,3-Dichlorobenzene	0.0200	0.0190			95		80-120		
1,4-Dichlorobenzene	0.0200	0.0191			96		80-120		
Dichlorodifluoromethane	0.0200	0.0188			94		47-124		
1,1-Dichloroethane	0.0200	0.0194			97		80-120		
1,2-Dichloroethane	0.0200	0.0201			100		73-124		
1,1-Dichloroethene	0.0200	0.0210			105		76-124		
cis-1,2-Dichloroethene	0.0200	0.0205			103		80-120		
trans-1,2-Dichloroethene	0.0200	0.0206			103		80-120		
1,2-Dichloropropane	0.0200	0.0190			95		80-120		
cis-1,3-Dichloropropene	0.0200	0.0184			92		75-120		
trans-1,3-Dichloropropene	0.0200	0.0181			91		76-120		
Ethylbenzene	0.0200	0.0192			96		78-120		
Freon 113	0.0200	0.0202			101		68-137		
2-Hexanone	0.100	0.0704			70		60-134		
Isopropylbenzene	0.0200	0.0191			95		80-120		
Methyl Acetate	0.0200	0.0179			89		61-137		
Methyl Tertiary Butyl Ether	0.0200	0.0184			92		75-120		
4-Methyl-2-pentanone	0.100	0.0887			89		67-128		
Methylcyclohexane	0.0200	0.0183			91		66-126		
Methylene Chloride	0.0200	0.0193			97		80-120		
Naphthalene	0.0200	0.0177			89		59-120		
Styrene	0.0200	0.0191			96		80-120		
1,1,2,2-Tetrachloroethane	0.0200	0.0184			92		72-120		
Tetrachloroethene	0.0200	0.0196			98		80-129		
Toluene	0.0200	0.0193			97		80-120		
1,2,4-Trichlorobenzene	0.0200	0.0176			88		70-120		
1,1,1-Trichloroethane	0.0200	0.0187			94		67-120		
1,1,2-Trichloroethane	0.0200	0.0193			97		80-120		
Trichloroethene	0.0200	0.0196			98		80-120		
Trichlorofluoromethane	0.0200	0.0200			100		52-143		

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Vinyl Chloride	0.0200	0.0190			95		63-121		
Xylene (Total)	0.0600	0.0571			95		80-120		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 17233WAN026	Sample number(s): 9164569-9164570,9164573-9164574,9164576,9164578								
Acenaphthene	0.00100	0.000898	0.00100	0.000911	90	91	62-127	1	30
Acenaphthylene	0.00100	0.000654	0.00100	0.000665	65	66	48-105	2	30
Anthracene	0.00100	0.000702	0.00100	0.000713	70	71	60-112	1	30
Benzo(a)anthracene	0.00100	0.000849	0.00100	0.000868	85	87	62-122	2	30
Benzo(a)pyrene	0.00100	0.000724	0.00100	0.000754	72	75	60-114	4	30
Benzo(b)fluoranthene	0.00100	0.000814	0.00100	0.000848	81	85	59-126	4	30
Benzo(g,h,i)perylene	0.00100	0.000744	0.00100	0.000779	74	78	58-118	5	30
Benzo(k)fluoranthene	0.00100	0.000712	0.00100	0.000776	71	78	63-117	9	30
Chrysene	0.00100	0.000746	0.00100	0.000759	75	76	63-116	2	30
Dibenz(a,h)anthracene	0.00100	0.000785	0.00100	0.000814	78	81	65-119	4	30
Fluoranthene	0.00100	0.000792	0.00100	0.000764	79	76	60-115	4	30
Fluorene	0.00100	0.000766	0.00100	0.000778	77	78	57-118	2	30
Indeno(1,2,3-cd)pyrene	0.00100	0.000751	0.00100	0.000782	75	78	64-115	4	30
Naphthalene	0.00100	0.000732	0.00100	0.000779	73	78	47-110	6	30
Phenanthrene	0.00100	0.000779	0.00100	0.000804	78	80	59-113	3	30
Pyrene	0.00100	0.000737	0.00100	0.000754	74	75	59-119	2	30
	mg/l	mg/l	mg/l	mg/l					
Batch number: 17232A53A	Sample number(s): 9164568,9164570-9164577,9164579								
TPH-GRO AK water C6-C10	1.10	1.05	1.10	1.05	95	96	60-120	1	20
Batch number: 17235C20A	Sample number(s): 9164569								
TPH-GRO AK water C6-C10	1.10	1.00			91		60-120		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 172340042A	Sample number(s): 9164568-9164575								
DRO C10-C25	4.00	3.10	4.00	2.67	77	67*	75-125	15	20
Batch number: 172360012A	Sample number(s): 9164576-9164577								
DRO C10-C25	4.00	2.92			73*		75-125		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc	MS Spike Added	MS Conc	MSD Spike Added	MSD Conc	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
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*- Outside of specification

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(1) The result for one or both determinations was less than five times the LOQ.

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Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 4172351AA	Sample number(s): 9164571-9164573 UNSPK: 9164571									
Acetone	N.D.	0.150	0.127	0.150	0.136	85	91	44-177	7	30
Benzene	N.D.	0.0200	0.0191	0.0200	0.0192	96	96	78-120	0	30
Bromodichloromethane	N.D.	0.0200	0.0178	0.0200	0.0179	89	90	71-120	1	30
Bromoform	N.D.	0.0200	0.0151	0.0200	0.0150	75	75	59-120	1	30
Bromomethane	N.D.	0.0200	0.0177	0.0200	0.0186	88	93	44-139	5	30
2-Butanone	N.D.	0.150	0.129	0.150	0.128	86	86	53-140	1	30
Carbon Disulfide	N.D.	0.0200	0.0191	0.0200	0.0191	95	96	65-128	0	30
Carbon Tetrachloride	N.D.	0.0200	0.0209	0.0200	0.0212	105	106	68-128	1	30
Chlorobenzene	N.D.	0.0200	0.0190	0.0200	0.0191	95	95	80-120	1	30
Chloroethane	N.D.	0.0200	0.0169	0.0200	0.0186	85	93	52-127	9	30
Chloroform	N.D.	0.0200	0.0197	0.0200	0.0197	98	98	80-120	0	30
Chloromethane	N.D.	0.0200	0.0184	0.0200	0.0191	92	96	57-120	4	30
Cyclohexane	N.D.	0.0200	0.0193	0.0200	0.0192	96	96	67-121	0	30
1,2-Dibromo-3-chloropropane	N.D.	0.0200	0.0171	0.0200	0.0174	85	87	64-120	2	30
Dibromochloromethane	N.D.	0.0200	0.0170	0.0200	0.0172	85	86	71-120	2	30
1,2-Dibromoethane	N.D.	0.0200	0.0176	0.0200	0.0182	88	91	75-120	3	30
1,2-Dichlorobenzene	N.D.	0.0200	0.0181	0.0200	0.0183	90	92	80-120	1	30
1,3-Dichlorobenzene	N.D.	0.0200	0.0181	0.0200	0.0185	90	93	80-120	2	30
1,4-Dichlorobenzene	N.D.	0.0200	0.0184	0.0200	0.0186	92	93	80-120	1	30
Dichlorodifluoromethane	0.000721	0.0200	0.0228	0.0200	0.0224	110	109	47-124	2	30
1,1-Dichloroethane	N.D.	0.0200	0.0192	0.0200	0.0193	96	97	80-120	1	30
1,2-Dichloroethane	0.000717	0.0200	0.0200	0.0200	0.0201	97	97	73-124	0	30
1,1-Dichloroethene	N.D.	0.0200	0.0218	0.0200	0.0219	109	110	76-124	1	30
cis-1,2-Dichloroethene	N.D.	0.0200	0.0200	0.0200	0.0201	100	101	80-120	0	30
trans-1,2-Dichloroethene	N.D.	0.0200	0.0209	0.0200	0.0208	104	104	80-120	0	30
1,2-Dichloropropane	N.D.	0.0200	0.0185	0.0200	0.0188	93	94	80-120	1	30
cis-1,3-Dichloropropene	N.D.	0.0200	0.0173	0.0200	0.0175	86	88	75-120	2	30
trans-1,3-Dichloropropene	N.D.	0.0200	0.0170	0.0200	0.0174	85	87	76-120	2	30
Ethylbenzene	N.D.	0.0200	0.0189	0.0200	0.0192	95	96	78-120	1	30
Freon 113	N.D.	0.0200	0.0228	0.0200	0.0224	114	112	68-137	2	30
2-Hexanone	N.D.	0.100	0.0661	0.100	0.0669	66	67	60-134	1	30
Isopropylbenzene	N.D.	0.0200	0.0191	0.0200	0.0195	96	98	80-120	2	30
Methyl Acetate	N.D.	0.0200	0.0160	0.0200	0.0157	80	79	61-137	2	30
Methyl Tertiary Butyl Ether	N.D.	0.0200	0.0173	0.0200	0.0174	87	87	75-120	0	30
4-Methyl-2-pentanone	N.D.	0.100	0.0830	0.100	0.0829	83	83	67-128	0	30
Methylcyclohexane	N.D.	0.0200	0.0199	0.0200	0.0201	100	101	66-126	1	30
Methylene Chloride	N.D.	0.0200	0.0186	0.0200	0.0188	93	94	80-120	1	30
Naphthalene	N.D.	0.0200	0.0166	0.0200	0.0171	83	86	59-120	3	30
Styrene	N.D.	0.0200	0.0171	0.0200	0.0173	85	86	80-120	1	30
1,1,2,2-Tetrachloroethane	N.D.	0.0200	0.0168	0.0200	0.0170	84	85	72-120	1	30
Tetrachloroethene	N.D.	0.0200	0.0199	0.0200	0.0199	99	100	80-129	0	30
Toluene	N.D.	0.0200	0.0189	0.0200	0.0190	94	95	80-120	0	30

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
1,2,4-Trichlorobenzene	N.D.	0.0200	0.0171	0.0200	0.0175	86	87	70-120	2	30
1,1,1-Trichloroethane	N.D.	0.0200	0.0197	0.0200	0.0197	98	98	67-120	0	30
1,1,2-Trichloroethane	N.D.	0.0200	0.0181	0.0200	0.0183	91	91	80-120	1	30
Trichloroethene	N.D.	0.0200	0.0196	0.0200	0.0197	98	99	80-120	1	30
Trichlorofluoromethane	N.D.	0.0200	0.0220	0.0200	0.0224	110	112	52-143	2	30
Vinyl Chloride	N.D.	0.0200	0.0196	0.0200	0.0202	98	101	63-121	3	30
Xylene (Total)	N.D.	0.0600	0.0554	0.0600	0.0564	92	94	80-120	2	30
Batch number: 4172352AA	Sample number(s): 9164575-9164577,9164579 UNSPK: P165895									
Acetone	N.D.	0.150	0.137	0.150	0.126	91	84	44-177	9	30
Benzene	0.848	0.0200	0.824	0.0200	0.779	-119 (2)	-341 (2)	78-120	6	30
Bromodichloromethane	N.D.	0.0200	0.0184	0.0200	0.0177	92	88	71-120	4	30
Bromoform	N.D.	0.0200	0.0159	0.0200	0.0150	79	75	59-120	5	30
Bromomethane	N.D.	0.0200	0.0191	0.0200	0.0183	96	92	44-139	4	30
2-Butanone	N.D.	0.150	0.122	0.150	0.118	81	79	53-140	3	30
Carbon Disulfide	N.D.	0.0200	0.0185	0.0200	0.0179	93	89	65-128	4	30
Carbon Tetrachloride	N.D.	0.0200	0.0206	0.0200	0.0197	103	98	68-128	5	30
Chlorobenzene	N.D.	0.0200	0.0189	0.0200	0.0180	94	90	80-120	5	30
Chloroethane	N.D.	0.0200	0.0185	0.0200	0.0174	93	87	52-127	7	30
Chloroform	N.D.	0.0200	0.0198	0.0200	0.0191	99	96	80-120	4	30
Chloromethane	N.D.	0.0200	0.0194	0.0200	0.0188	97	94	57-120	3	30
Cyclohexane	0.132	0.0200	0.141	0.0200	0.133	42 (2)	1 (2)	67-121	6	30
1,2-Dibromo-3-chloropropane	N.D.	0.0200	0.0187	0.0200	0.0174	94	87	64-120	7	30
Dibromochloromethane	N.D.	0.0200	0.0176	0.0200	0.0167	88	83	71-120	6	30
1,2-Dibromoethane	N.D.	0.0200	0.0181	0.0200	0.0173	91	87	75-120	5	30
1,2-Dichlorobenzene	N.D.	0.0200	0.0181	0.0200	0.0173	90	87	80-120	4	30
1,3-Dichlorobenzene	N.D.	0.0200	0.0184	0.0200	0.0176	92	88	80-120	4	30
1,4-Dichlorobenzene	N.D.	0.0200	0.0183	0.0200	0.0174	91	87	80-120	5	30
Dichlorodifluoromethane	N.D.	0.0200	0.0221	0.0200	0.0210	110	105	47-124	5	30
1,1-Dichloroethane	N.D.	0.0200	0.0192	0.0200	0.0184	96	92	80-120	4	30
1,2-Dichloroethane	N.D.	0.0200	0.0214	0.0200	0.0203	107	102	73-124	5	30
1,1-Dichloroethene	N.D.	0.0200	0.0215	0.0200	0.0207	108	103	76-124	4	30
cis-1,2-Dichloroethene	N.D.	0.0200	0.0199	0.0200	0.0191	99	96	80-120	4	30
trans-1,2-Dichloroethene	N.D.	0.0200	0.0202	0.0200	0.0195	101	98	80-120	4	30
1,2-Dichloropropane	N.D.	0.0200	0.0194	0.0200	0.0189	97	95	80-120	3	30
cis-1,3-Dichloropropene	N.D.	0.0200	0.0178	0.0200	0.0173	89	86	75-120	3	30
trans-1,3-Dichloropropene	N.D.	0.0200	0.0175	0.0200	0.0169	87	85	76-120	3	30
Ethylbenzene	0.112	0.0200	0.123	0.0200	0.114	51 (2)	10 (2)	78-120	7	30
Freon 113	N.D.	0.0200	0.0224	0.0200	0.0214	112	107	68-137	4	30
2-Hexanone	N.D.	0.100	0.0695	0.100	0.0667	70	67	60-134	4	30
Isopropylbenzene	0.0184	0.0200	0.0370	0.0200	0.0352	93	84	80-120	5	30
Methyl Acetate	N.D.	0.0200	0.0165	0.0200	0.0158	83	79	61-137	4	30
Methyl Tertiary Butyl Ether	0.00336	0.0200	0.0208	0.0200	0.0201	87	84	75-120	4	30

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Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
4-Methyl-2-pentanone	N.D.	0.100	0.0826	0.100	0.0797	83	80	67-128	4	30
Methylcyclohexane	0.0708	0.0200	0.0848	0.0200	0.0800	70	46*	66-126	6	30
Methylene Chloride	N.D.	0.0200	0.0193	0.0200	0.0187	96	93	80-120	3	30
Naphthalene	0.0130	0.0200	0.0297	0.0200	0.0285	83	77	59-120	4	30
Styrene	N.D.	0.0200	0.0182	0.0200	0.0172	91	86	80-120	5	30
1,1,2,2-Tetrachloroethane	N.D.	0.0200	0.0170	0.0200	0.0163	85	82	72-120	4	30
Tetrachloroethene	N.D.	0.0200	0.0199	0.0200	0.0189	100	95	80-129	5	30
Toluene	0.00253	0.0200	0.0215	0.0200	0.0204	95	90	80-120	5	30
1,2,4-Trichlorobenzene	N.D.	0.0200	0.0176	0.0200	0.0169	88	84	70-120	4	30
1,1,1-Trichloroethane	N.D.	0.0200	0.0190	0.0200	0.0185	95	92	67-120	3	30
1,1,2-Trichloroethane	N.D.	0.0200	0.0238	0.0200	0.0223	119	112	80-120	6	30
Trichloroethene	N.D.	0.0200	0.0198	0.0200	0.0187	99	93	80-120	6	30
Trichlorofluoromethane	N.D.	0.0200	0.0227	0.0200	0.0219	114	109	52-143	4	30
Vinyl Chloride	N.D.	0.0200	0.0205	0.0200	0.0195	102	97	63-121	5	30
Xylene (Total)	0.269	0.0600	0.307	0.0600	0.287	63 (2)	29 (2)	80-120	7	30
Batch number: 4172361AA Sample number(s): 9164574 UNSPK: P166709										
Acetone	N.D.	0.300	0.287	0.300	0.294	96	98	44-177	2	30
Benzene	N.D.	0.0400	0.0393	0.0400	0.0400	98	100	78-120	2	30
Bromodichloromethane	N.D.	0.0400	0.0356	0.0400	0.0366	89	92	71-120	3	30
Bromoform	N.D.	0.0400	0.0299	0.0400	0.0304	75	76	59-120	2	30
Bromomethane	N.D.	0.0400	0.0373	0.0400	0.0364	93	91	44-139	3	30
2-Butanone	N.D.	0.300	0.268	0.300	0.275	89	92	53-140	2	30
Carbon Disulfide	N.D.	0.0400	0.0346	0.0400	0.0346	86	86	65-128	0	30
Carbon Tetrachloride	N.D.	0.0400	0.0411	0.0400	0.0417	103	104	68-128	2	30
Chlorobenzene	N.D.	0.0400	0.0383	0.0400	0.0392	96	98	80-120	2	30
Chloroethane	0.00883	0.0400	0.0417	0.0400	0.0408	82	80	52-127	2	30
Chloroform	0.0412	0.0400	0.0794	0.0400	0.0810	95	99	80-120	2	30
Chloromethane	N.D.	0.0400	0.0368	0.0400	0.0380	92	95	57-120	3	30
Cyclohexane	N.D.	0.0400	0.0353	0.0400	0.0359	88	90	67-121	2	30
1,2-Dibromo-3-chloropropane	N.D.	0.0400	0.0347	0.0400	0.0373	87	93	64-120	7	30
Dibromochloromethane	N.D.	0.0400	0.0345	0.0400	0.0353	86	88	71-120	2	30
1,2-Dibromoethane	N.D.	0.0400	0.0370	0.0400	0.0377	93	94	75-120	2	30
1,2-Dichlorobenzene	0.00353	0.0400	0.0410	0.0400	0.0423	94	97	80-120	3	30
1,3-Dichlorobenzene	N.D.	0.0400	0.0369	0.0400	0.0388	92	97	80-120	5	30
1,4-Dichlorobenzene	N.D.	0.0400	0.0382	0.0400	0.0395	96	99	80-120	3	30
Dichlorodifluoromethane	N.D.	0.0400	0.0401	0.0400	0.0407	100	102	47-124	1	30
1,1-Dichloroethane	0.0221	0.0400	0.0596	0.0400	0.0610	94	97	80-120	2	30
1,2-Dichloroethane	0.0242	0.0400	0.0626	0.0400	0.0647	96	101	73-124	3	30
1,1-Dichloroethene	0.101	0.0400	0.144	0.0400	0.147	106	115	76-124	2	30
cis-1,2-Dichloroethene	1.53	0.0400	1.52	0.0400	1.56	-8 (2)	89 (2)	80-120	3	30
trans-1,2-Dichloroethene	0.00261	0.0400	0.0425	0.0400	0.0439	100	103	80-120	3	30
1,2-Dichloropropane	0.00149	0.0400	0.0397	0.0400	0.0404	96	97	80-120	2	30

*- Outside of specification

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Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
cis-1,3-Dichloropropene	N.D.	0.0400	0.0352	0.0400	0.0361	88	90	75-120	3	30
trans-1,3-Dichloropropene	N.D.	0.0400	0.0355	0.0400	0.0362	89	90	76-120	2	30
Ethylbenzene	N.D.	0.0400	0.0380	0.0400	0.0387	95	97	78-120	2	30
Freon 113	N.D.	0.0400	0.0462	0.0400	0.0463	115	116	68-137	0	30
2-Hexanone	N.D.	0.200	0.138	0.200	0.141	69	70	60-134	2	30
Isopropylbenzene	N.D.	0.0400	0.0383	0.0400	0.0388	96	97	80-120	1	30
Methyl Acetate	N.D.	0.0400	0.0342	0.0400	0.0356	86	89	61-137	4	30
Methyl Tertiary Butyl Ether	N.D.	0.0400	0.0365	0.0400	0.0376	91	94	75-120	3	30
4-Methyl-2-pentanone	N.D.	0.200	0.173	0.200	0.176	86	88	67-128	2	30
Methylcyclohexane	N.D.	0.0400	0.0387	0.0400	0.0383	97	96	66-126	1	30
Methylene Chloride	N.D.	0.0400	0.0399	0.0400	0.0416	100	104	80-120	4	30
Naphthalene	N.D.	0.0400	0.0344	0.0400	0.0362	86	91	59-120	5	30
Styrene	N.D.	0.0400	0.0375	0.0400	0.0385	94	96	80-120	3	30
1,1,2,2-Tetrachloroethane	N.D.	0.0400	0.0352	0.0400	0.0367	88	92	72-120	4	30
Tetrachloroethene	0.0782	0.0400	0.118	0.0400	0.120	100	105	80-129	2	30
Toluene	N.D.	0.0400	0.0383	0.0400	0.0393	96	98	80-120	3	30
1,2,4-Trichlorobenzene	N.D.	0.0400	0.0347	0.0400	0.0362	87	91	70-120	4	30
1,1,1-Trichloroethane	0.0418	0.0400	0.0800	0.0400	0.0815	96	99	67-120	2	30
1,1,2-Trichloroethane	0.00192	0.0400	0.0393	0.0400	0.0401	94	95	80-120	2	30
Trichloroethene	0.488	0.0400	0.523	0.0400	0.532	87 (2)	109 (2)	80-120	2	30
Trichlorofluoromethane	N.D.	0.0400	0.0414	0.0400	0.0419	104	105	52-143	1	30
Vinyl Chloride	0.124	0.0400	0.160	0.0400	0.164	89	99	63-121	2	30
Xylene (Total)	N.D.	0.120	0.114	0.120	0.118	95	98	80-120	3	30
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 17235C20A TPH-GRO AK water C6-C10	Sample number(s): 9164569 UNSPK: P166543 0.796	1.10	1.97	1.10	2.09	106	118	60-120	6	20
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 172360012A DRO C10-C25	Sample number(s): 9164576-9164577 UNSPK: P166543 0.747	3.99	3.83	4.15	4.18	77	83	75-125	9	30

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: VOCs- 5ml Water by 8260B
Batch number: 4172342AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9164568	104	101	98	100
9164569	104	101	99	99
9164570	103	101	100	102
Blank	105	101	98	99
LCS	105	101	98	102
LCS D	106	102	98	101
Limits:	80-120	80-120	80-120	80-120

Analysis Name: VOCs- 5ml Water by 8260B
Batch number: 4172351AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9164571	105	104	98	99
9164572	103	101	98	99
9164573	102	101	99	99
Blank	103	101	100	98
LCS	103	100	99	101
MS	103	101	99	101
MSD	101	100	99	100
Limits:	80-120	80-120	80-120	80-120

Analysis Name: VOCs- 5ml Water by 8260B
Batch number: 4172352AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9164575	101	101	100	100
9164576	103	102	98	97
9164577	102	100	99	99
9164579	103	100	99	97
Blank	102	101	98	98
LCS	102	101	100	101
MS	101	100	100	100
MSD	102	105	100	101
Limits:	80-120	80-120	80-120	80-120

Analysis Name: VOCs- 5ml Water by 8260B
Batch number: 4172361AA

*- Outside of specification

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Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: VOCs- 5ml Water by 8260B
Batch number: 4172361AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9164574	102	101	99	102
Blank	104	102	99	97
LCS	102	101	100	100
MS	103	102	99	101
MSD	103	101	99	100
Limits:	80-120	80-120	80-120	80-120

Analysis Name: PAHs in waters by SIM
Batch number: 17233WAN026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
9164569	62	82	82
9164570	90	84	69
9164573	83	69	87
9164574	75	74	82
9164576	53	76	76
9164578	87	76	78
Blank	89	96	89
LCS	88	94	85
LCSD	89	98	88
Limits:	42-119	39-121	29-123

Analysis Name: TPH-GRO AK water C6-C10
Batch number: 17232A53A

	Trifluorotoluene-F
9164568	98
9164570	99
9164571	94
9164572	95
9164573	96
9164574	97
9164575	120
9164576	96
9164577	120
9164579	97
Blank	96
LCS	106
LCSD	108

*- Outside of specification

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: TPH-GRO AK water C6-C10
Batch number: 17232A53A

Limits: 60-120

Analysis Name: TPH-GRO AK water C6-C10
Batch number: 17235C20A

Trifluorotoluene-F

9164569	92
Blank	90
LCS	99
MS	90
MSD	101

Limits: 60-120

Analysis Name: AK 102-SV DRO
Batch number: 172340042A

Orthoterphenyl

9164568	84
9164569	71
9164570	85
9164571	79
9164572	80
9164573	83
9164574	84
9164575	80
Blank	89
LCS	97
LCSD	83

Limits: 50-150

Analysis Name: AK 102-SV DRO
Batch number: 172360012A

Orthoterphenyl

9164576	74
9164577	93
Blank	93
LCS	93
MS	67
MSD	69

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/20/2017 13:17

Group Number: 1839840

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: AK 102-SV DRO
Batch number: 172360012A

Limits: 50-150

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Generic Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

Acct. # 10880

For Eurofins Lancaster Laboratories Environmental use only
 Group # 1339840 Sample # 9164568-79
Instructions on reverse side correspond with circled numbers.

① Client Information

Facility # 95414 WBS 08.02

Site Address 5210 OLD SEWARD HWY, ANCHORAGE, AK

Chevron PM DAN CARRIER Lead Consultant GUYD SERVELES, INC

Consultant/Office 645 G ST, STE 401, ANCHORAGE, AK

Consultant Project Mgr. STOBHAN PRETZHARD

Consultant Phone # 720-974-0963

Sampler: O. VAN, T. WEAVER

④ Matrix

Sediment
 Ground
 Surface
 Potable
 NPDES
 Air

⑤ Analyses Requested

Total Number of Containers: _____

BTEX + MTBE 8021 8260 Naphth

8260 full scan Oxygenates

TPH-GRO AK-101 8015 8260

TPH-DRO without Silica Gel Cleanup

TPH-DRO with Silica Gel Cleanup

VPH EPH Method _____

Lead Total Diss. Method _____

PAHs

SCR #: _____

- Results in Dry Weight
- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm MTBE + Naphthalene
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run _____ oxy's on highest hit
- Run _____ oxy's on all hits

Sample Identification	Collected Date	Time	Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	TPH-GRO	8015	8260	TPH-DRO without Silica Gel Cleanup	TPH-DRO with Silica Gel Cleanup	VPH	EPH	Method	Lead	Total	Diss.	Method	Remarks
MW-1-W-170816	8/16/17	1440	X			GW		8					X		X	X									X		⑥ Remarks EMAIL RESULTS TO: STOBHAN.PRETZHARD@GHD.COM
MW-2-W-170816	8/16/17	1353	X			GW		10					X		X	X									X		
MW-3-W-170816	8/16/17	1255	X			GW		9					X		X	X									X		
MW-4-W-170816	8/16/17	1012	X			GW		8					X		X	X									X		
MW-5-W-170816	8/16/17	1150	X			GW		8					X		X	X									X		
MW-6-W-170816	8/16/17	1526	X			GW		10					X		X	X									X		
MW-7-W-170816	8/16/17	1102	X			GW		10					X		X	X									X		
MW-8-W-170816	8/16/17	0910	X			GW		8					X		X	X									X		
MW-10-W-170816	8/16/17	0820	X			GW		10					X		X	X									X		
DUP-1-W-170816	8/16/17	-	X			GW		8					X		X	X									X		
DUP-2-W-170816	8/16/17	-	X			GW		8					X		X	X									X		
QA-1-W-170816	-	-	X			W		2					X		X										X	DUP-3 PAH ONLY	

⑦ Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day

72 hour 48 hour 24 hour

Relinquished by	Date	Time	Received by	Date	Time
<u>Tain Weir</u>	<u>8/17/17</u>	<u>6:50am</u>			
Relinquished by	Date	Time	Received by	Date	Time

⑧ Data Package (circle if required)

Type I - Full Alaska/Type III **EDD** (circle if required) CVX-RTBU-FI_05 (default)

Type VI (Raw Data) Other: _____

Relinquished by Commercial Carrier:	Received by	Date	Time
UPS _____ FedEx <u>X</u> Other _____	<u>[Signature]</u>	<u>8/18/17</u>	<u>9:35</u>

Temperature Upon Receipt _____ °C Custody Seals Intact? Yes No



Client: CHEVRON

Delivery and Receipt Information

Delivery Method:	<u>Fed Ex</u>	Arrival Timestamp:	<u>08/18/2017 9:35</u>
Number of Packages:	<u>3</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>AR</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCL
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Nicole Reiff (25684) at 14:28 on 08/18/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	5.6	DT	Wet	Y	Bagged	N
2	DT146	2.8	DT	Wet	Y	Bagged	N
3	DT146	2.9	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	non-detect
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.