

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004



Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

MAR 14 2008

OCD-ARTESIA

Operator: Slayton Resources, Inc. Telephone: 575-632-7184 e-mail address: _____
Address: P. O. Box 2035, Roswell, NM 88202-2035
Facility or well name: State E-92 API #: 30-005-00134 U/L or Qtr/Qtr F Sec 26 T 10S R 26E
County: Chaves Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank
Type: Drilling ☐ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness _____ mil Clay ☐ Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not _____
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No (0 points)
Distance to surface water. (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points)
Ranking Score (Total Points)	

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: As per Mike Bratcher (Artesia OCD)

On March 3, 2008, we put a dome of dirt across the bottom of the pit. We installed 20 mil plastic liner across the bottom and up the sides to within three feet of the surface. We back filled the pit with hauled in dirt (five dump truck loads) from off location and leveled the area.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 03-10-08

Printed Name/Title Paul Slayton/agent

Signature

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title _____

Signature _____

Accepted for record
NMOCD

Date:

MAR 24 2008

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Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

MAR 14 2008
OCD-ARTESIA

Operator <u>Slayton Resources, Inc.</u> Telephone: <u>575-623-7184</u> e-mail address: _____		
Address <u>P. O. Box 2035, Roswell, NM 88202-2035</u>		
Facility or well name. <u>State E-92</u>	API #. _____	U/L or Qtr/Qtr <u>F</u> Sec <u>26</u> T <u>10S</u> R <u>26E</u>
County. <u>Chaves</u>	Latitude _____	Longitude _____ NAD. 1927 ☐ 1983 ☐
Surface Owner Federal ☐ State ☐ Private ☒ Indian ☐		
Pit		
Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☒		
Lined ☐ Unlined ☒		
Liner type Synthetic ☐ Thickness _____ mil Clay ☐		
Pit Volume _____ bbl		
Below-grade tank		
Volume: _____ bbl Type of fluid: _____		
Construction material: _____		
Double-walled, with leak detection? Yes ☐ If not, explain why not _____		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points)
	100 feet or more	(0 points)
Wellhead protection area. (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)	Yes	(20 points)
	No	(0 points)
Distance to surface water (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points)
	1000 feet or more	(0 points)
Ranking Score (Total Points)		

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☒ If offsite, name of facility Gandy Marley. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results (5) Attach soil sample results and a diagram of sample locations and excavations

Additional Comments	<u>In December 2007, we moved in a back hoe and dump trailer to the location</u>
	<u>Dug out and cleaned pit to 6 inches below top of caliche. Hauled all material to Gandy</u>
	<u>Marley. The soil samples were sent to Trace Analysis in Lubbock, Texas. We are currently</u>
	<u>waiting on approval to fill and level.</u>

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date _____

Printed Name/Title April Denise Allison/agent

Signature

April Denise Allison

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations

Approval

Accepted for record
NMOCD

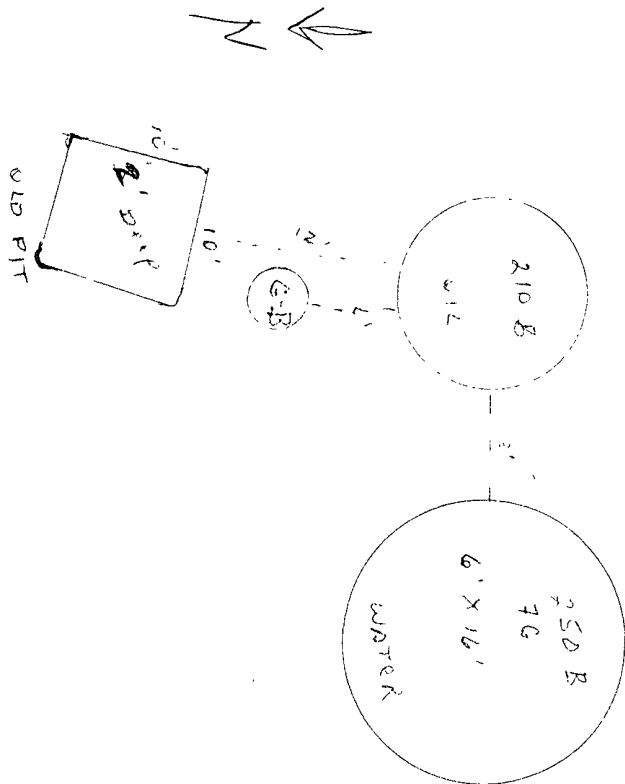
Printed Name/Title _____

Signature _____

Date

MAR 24 2008

State E-92
 BROWN SCHEMATIC
 F 26 10S 26E



FEB 21 2008
OCD-ARTESIA

Summary Report

A.D. Allison
Slayton Resources Inc. (SRI)
P.O. Box 2035
Roswell, NM. 88202

Report Date: February 14, 2008

Work Order: 8020801



Project Location: Chaves Co., N.M.
Project Name: Pit Closure Soil Sampling
Project Number: Pit Closure Soil Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
150031	Brown Lease Pit	soil	2008-02-06	15:00	2008-02-07
150032	Penrose State Pit	soil	2008-02-06	15:10	2008-02-07

Sample - Field Code	BTX				MTBE	TPH DRO	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
150031 - Brown Lease Pit	<0.0500	<0.0500	<0.0500	<0.0500		62.9	<2.00
150032 - Penrose State Pit	0.471	<0.100	13.7	10.0		705	263

Sample: 150031 - Brown Lease Pit

Param	Flag	Result	Units	RL
Chloride		20900	mg/Kg	1.00

Sample: 150032 - Penrose State Pit

Param	Flag	Result	Units	RL
Chloride		3070	mg/Kg	1.00

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9
200 East Sunset Road, Suite E
5002 Basin Street, Suite A1
8808 Camp Bowie Blvd West, Suite 180

Lubbock, Texas 79424
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FAX 806•794•1298
FAX 915•585•4944
FAX 432•689•6313
FAX 817•560•4336

E-Mail lab@traceanalysis.com

Analytical and Quality Control Report

A D. Allison
Slayton Resources Inc. (SRI)
P O. Box 2035
Roswell, NM. 88202

Report Date: February 14, 2008

Work Order: S020801



Project Location: Chaves Co., N.M.
Project Name: Pit Closure Soil Sampling
Project Number: Pit Closure Soil Sampling

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
150031	Brown Lease Pit	soil	2008-02-06	15:00	2008-02-07
150032	Penrose State Pit	soil	2008-02-06	15:10	2008-02-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.


Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank

Case Narrative

Samples for project Pit Closure Soil Sampling were received by TraceAnalysis, Inc. on 2008-01-07 and assigned to work order 8020801. Samples for work order 8020801 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods

Test	Method
BTEX	S 8021E
Chloride (IC)	E 300.0
TPH DRO	Mod. 8015B
TPH GRO	S 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8020801 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 150031 - Brown Lease Pit

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	45437	Date Analyzed:	2008-02-08	Analyzed By:	KB
Prep Batch:	39132	Sample Preparation:	2008-02-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0500	mg/Kg	5	0.0100
Toluene		<0.0500	mg/Kg	5	0.0100
Ethylbenzene		<0.0500	mg/Kg	5	0.0100
Xylene		<0.0500	mg/Kg	5	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.951	mg/Kg	5	1.00	95	87.4 - 126
4-Bromofluorobenzene (4-BFB)		1.19	mg/Kg	5	1.00	119	59.2 - 162

Sample: 150031 - Brown Lease Pit

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45523	Date Analyzed:	2008-02-12	Analyzed By:	ER
Prep Batch:	39200	Sample Preparation:	2008-02-12	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		20900	mg/Kg	5000	1.00

Sample: 150031 - Brown Lease Pit

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	45419	Date Analyzed:	2008-02-09	Analyzed By:	TG
Prep Batch:	39119	Sample Preparation:	2008-02-08	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DEO		62.9	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Trimethylpentane		107	mg/Kg	1	100	107	33.3 - 164

Sample: 150031 - Brown Lease Pit

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	45526	Date Analyzed:	2008-02-12	Analyzed By:	MT
Prep Batch:	39202	Sample Preparation:	2008-02-12	Prepared By:	MT

¹Sample ran at dilution due to hydrocarbons with a retention time greater than xylene

Parameter	Flag	RL Result	Units	Dilution	RL
GRC		<2.00	mg/Kg	2	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.869	mg/Kg	2	1.00	87	75.6 - 128
4-Bromofluorobenzene (4-BFB)		1.03	mg/Kg	2	1.00	103	78.5 - 139

Sample: 150032 - Penrose State Pit

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 45437 Date Analyzed: 2008-02-08 Analyzed By: KB
Prep Batch: 39132 Sample Preparation: 2008-02-08 Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.471	mg/Kg	10	0.0100
Toluene		<0.100	mg/Kg	10	0.0100
Ethylbenzene		13.7	mg/Kg	10	0.0100
Xylene		10.0	mg/Kg	10	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.923	mg/Kg	10	1.00	92	67.4 - 126
4-Bromofluorobenzene (4-BFB)	³	2.86	mg/Kg	10	1.00	286	59.2 - 162

Sample: 150032 - Penrose State Pit

Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 45523 Date Analyzed: 2008-02-12 Analyzed By: ER
Prep Batch: 39200 Sample Preparation: 2008-02-12 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3070	mg/Kg	500	1.00

Sample: 150032 - Penrose State Pit

Analysis: TFH DRO Analytical Method: Mod. 8015B Prep Method: N/A
QC Batch: 45419 Date Analyzed: 2008-02-09 Analyzed By: TG
Prep Batch: 39119 Sample Preparation: 2008-02-08 Prepared By: TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		705	mg/Kg	1	500

²Sample ran at a dilution due to turbidity

³High surrogate recovery due to peak interference

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	4	178	mg/Kg	1	100	178	33.3 - 164

Sample: 150032 - Penrose State Pit

Analysis: TPH GRO Analytical Method: S 8015E Prep Method: S 5035
 QC Batch: 45526 Date Analyzed: 2008-02-12 Analyzed By: MT
 Prep Batch: 39202 Sample Preparation: 2008-02-12 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		263	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.936	mg/Kg	10	1.00	94	75.6 - 128
4-Bromofluorobenzene (4-BFB)	5	7.50	mg/Kg	10	1.00	750	78.5 - 139

Method Blank (1) QC Batch: 45419

QC Batch: 45419 Date Analyzed: 2008-02-09 Analyzed By: TG
 Prep Batch: 39119 QC Preparation: 2008-02-08 Prepared By: TG

Parameter	Flag	MDL Result	Units	RL
DRO		<22.3	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	99		mg/Kg	1	100	100	33.3 - 164

Method Blank (1) QC Batch: 45437

QC Batch: 45437 Date Analyzed: 2008-02-08 Analyzed By: KB
 Prep Batch: 39132 QC Preparation: 2008-02-08 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00333	mg/Kg	0.01
Toluene		<0.00372	mg/Kg	0.01
Ethylbenzene		<0.00206	mg/Kg	0.01
Xylene		0.00660	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	70.4 - 111

continued ...

⁴High surrogate recovery due to peak interference

⁵High surrogate recovery due to peak interference

method blank continued

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		1.14	mg/Kg	1	1.00	114	42.4 - 99.7

Method Blank (1) QC Batch: 45523

QC Batch: 45523
Prep Batch: 39200

Date Analyzed: 2008-02-12
QC Preparation: 2008-02-12

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.140	mg/Kg	1

Method Blank (1) QC Batch: 45526

QC Batch: 45526
Prep Batch: 39202

Date Analyzed: 2008-02-12
QC Preparation: 2008-02-12

Analyzed By: MT
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
GRC		<0.459	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.932	mg/Kg	1	1.00	93	85 - 116
4-Bromofluorobenzene (4-BFB)		0.820	mg/Kg	1	1.00	82	45.2 - 98.8

Laboratory Control Spike (LCS-1)

QC Batch: 45419
Prep Batch: 39119

Date Analyzed: 2008-02-09
QC Preparation: 2008-02-08

Analyzed By: TG
Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit
DRO	250	mg/Kg	1	250	<22.3	100	54.5 - 149

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit	RPD	RPD Limit
DRO	293	mg/Kg	1	250	<22.3	117	54.3 - 149	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	103	122	mg/Kg	1	100	103	122	33.3 - 164

⁶BFB surrogate recovery outside control limits but within method limits •

Laboratory Control Spike (LCS-1)

QC Batch: 45437
 Prep. Batch: 39132

Date Analyzed: 2008-02-08
 QC Preparation: 2008-02-08

Analyzed By: KB
 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit
Benzene	0.982	mg/Kg	1	1.00	<0.00333	98	77.2 - 116
Toluene	0.989	mg/Kg	1	1.00	<0.00372	99	77.4 - 116
Ethylbenzene	0.985	mg/Kg	1	1.00	<0.00206	98	77.4 - 112
Xylene	2.95	mg/Kg	1	3.00	0.0066	98	78.8 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
Benzene	0.990	mg/Kg	1	1.00	<0.00333	99	77.2 - 116	1	20
Toluene	1.00	mg/Kg	1	1.00	<0.00372	100	77.4 - 116	1	20
Ethylbenzene	1.00	mg/Kg	1	1.00	<0.00206	100	77.4 - 112	2	20
Xylene	3.00	mg/Kg	1	3.00	0.0066	100	78.8 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec	LCSD Rec	Rec Limit
Trifluorotoluene (TFT)	0.933	0.959	mg/Kg	1	1.00	93	96	74.2 - 114
4-Bromofluorobenzene (4-BFB)	0.976	0.986	mg/Kg	1	1.00	98	98	75.7 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 45523
 Prep Batch: 39200

Date Analyzed: 2008-02-12
 QC Preparation: 2008-02-12

Analyzed By: ER
 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit
Chloride	11.8	mg/Kg	1	12.5	<0.140	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
Chloride	11.5	mg/Kg	1	12.5	<0.140	92	90 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45526
 Prep Batch: 39202

Date Analyzed: 2008-02-12
 QC Preparation: 2008-02-12

Analyzed By: MT
 Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit
GRO	8.68	mg/Kg	1	10.0	<0.459	87	76.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.33	mg/Kg	1	10.0	<0.439	93	70.4 - 110	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.912	0.936	mg/Kg	1	1.00	91	94	80.3 - 113
4-Bromofluorobenzene (4-BFB)	0.997	1.04	mg/Kg	1	1.00	100	104	70.7 - 110

Matrix Spike (MS-1) Spiked Sample: 150032

QC Batch: 45419
Prep Batch: 39119

Date Analyzed: 2008-02-09
QC Preparation: 2008-02-08

Analyzed By: TG
Prepared By: TG

Param	MS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	1390	mg/Kg	1	250	705	274	35.1 - 161

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	1050	mg/Kg	1	250	705	138	35.1 - 161	28	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Undecane	2.00	1.68	mg/Kg	1	1.00	230	168	33.3 - 164

Matrix Spike (MS-1) Spiked Sample: 150160

QC Batch: 45437
Prep Batch: 39132

Date Analyzed: 2008-02-08
QC Preparation: 2008-02-08

Analyzed By: KB
Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.825	mg/Kg	1	1.00	<0.00333	82	10 - 159
Toluene	0.888	mg/Kg	1	1.00	<0.00372	89	10 - 170
Ethylbenzene	0.979	mg/Kg	1	1.00	<0.00206	98	10 - 181
Xylene	3.00	mg/Kg	1	3.00	<0.00259	100	10 - 184

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.872	mg/Kg	1	1.00	<0.00333	87	10 - 159	6	20
Toluene	0.930	mg/Kg	1	1.00	<0.00372	93	10 - 170	5	20

continued ..

⁷Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control

⁸MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control

⁹High surrogate recovery due to peak interference

¹⁰High surrogate recovery due to peak interference.

matrix spikes continued

Param	MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
Ethylbenzene	1.02	mg/Kg	1	1.00	<0.00206	102	10 - 181	4	20
Xylene	3.14	mg/Kg	1	3.00	<0.00259	105	10 - 184	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil	Spike Amount	MS Rec	MSD Rec	Rec Limit
Trifluorotoluene (TFT)	0.853	0.894	mg/Kg	1	1	85	89	66.1 - 117
4-Bromofluorobenzene (4-BFB)	1.08	1.12	mg/Kg	1	1	108	112	63.5 - 146

Matrix Spike (MS-1) Spiked Sample: 150032

QC Batch: 45523
 Prep Batch: 39200

Date Analyzed: 2008-02-12
 QC Preparation: 2008-02-12

Analyzed By: ER
 Prepared By: ER

Param	MS Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec Limit
Chloride	9730	mg/Kg	500	6250	3066.97	107	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
Chloride	9730	mg/Kg	500	6250	3066.97	107	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 150160

QC Batch: 45526
 Prep Batch: 39202

Date Analyzed: 2008-02-12
 QC Preparation: 2008-02-12

Analyzed By: MT
 Prepared By: MT

Param	MS Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec Limit
GRO	9.36	mg/Kg	1	10.0	<0.459	94	40.1 - 154

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
GRO	9.41	mg/Kg	1	10.0	<0.459	94	40.1 - 154	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil	Spike Amount	MS Rec	MSD Rec	Rec Limit
Trifluorotoluene (TFT)	0.948	0.863	mg/Kg	1	1	95	86	10.6 - 155
4-Bromofluorobenzene (4-BFB)	1.33	1.26	mg/Kg	1	1	133	126	40.1 - 176

Standard (ICV-1)

QC Batch: 45419

Date Analyzed: 2008-02-09

Analyzed By: TG

Param	Flag	Units	ICVs True Conc	ICVs Found Conc	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	237	95	85 - 115	2008-02-09

Standard (CCV-1)

QC Batch: 45419

Date Analyzed: 2008-02-09

Analyzed By: TG

Param	Flag	Units	CCVs True Conc	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	241	96	85 - 115	2008-02-09

Standard (ICV-1)

QC Batch: 45137

Date Analyzed: 2008-02-08

Analyzed By: KB

Param	Flag	Units	ICVs True Conc	ICVs Found Conc	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0997	100	85 - 115	2008-02-08
Toluene		mg/Kg	0.100	0.0998	100	85 - 115	2008-02-08
Ethylbenzene		mg/Kg	0.100	0.0990	99	85 - 115	2008-02-08
Xylene		mg/Kg	0.300	0.297	99	85 - 115	2008-02-08

Standard (CCV-1)

QC Batch: 45437

Date Analyzed: 2008-02-08

Analyzed By: KB

Param	Flag	Units	CCVs True Conc	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.100	100	85 - 115	2008-02-08
Toluene		mg/Kg	0.100	0.101	101	85 - 115	2008-02-08
Ethylbenzene		mg/Kg	0.100	0.101	101	85 - 115	2008-02-08
Xylene		mg/Kg	0.300	0.302	101	85 - 115	2008-02-08

Standard (ICV-1)

QC Batch: 45523

Date Analyzed: 2008-02-12

Analyzed By: ER

Param	Flag	Units	ICVs True Conc	ICVs Found Conc	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.7	94	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45523

Date Analyzed: 2008-02-12

Analyzed By: ER

Param	Flag	Units	CCVs True Conc	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.6	93	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45526

Date Analyzed: 2008-02-12

Analyzed By: MT

Param	Flag	Units	ICVs True Conc	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.918	92	85 - 115	2008-02-12

Standard (CCV-1)

QC Batch: 45526

Date Analyzed: 2008-02-12

Analyzed By: MT

Param	Flag	Units	CCVs True Conc	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.918	92	85 - 115	2008-02-12

[illegible]

Charles B. Newman Sec. 22

Pit Closure / Clayton Resources

Drum lease: By: CMB Environmental

Geological Services, Inc. Page 2 of 2

GPS Coordinates of Pit:

33° 22.780 N @ 02:50:10 PM

103° 50.149 W Elev. 4187 Ft.

Sampled 5 ^{discrete} Areas of Pit

@ pit bottom & blended sample
for Composite Sample.

1x 4oz / Glass Jar / No Preservative
for: BTEX 8021B, TPH max 80.5
GRO/DRO, Chloride.

Sampled @ 15:00 hours - @ 6"
Below pit bottom w/ stainless steel 3" Auger
Red clayey med. grained
Sand, No odor or hydrocarbon
staining. Soil horizon on top
of hard white calciche
layer.

Charles B. Newman Sec. 22 02/06/2008

Pit Closure / Clayton Resources

Drum lease: By: CMB Environmental

Geological Services, Inc. Page 2 of 2

GPS Coordinates of Pit:

33° 26.263 N @ 3:27:53 p.m.

104° 11.334 W Elev. 3832 Ft.

Penrose State #1

Unit D Sec. 22, T.10S. R.27E.

API #30-005-10076.

Sampled 5 discrete Areas of
pit bottom for blended
Composite Sample.

1x 4oz / Glass Jar / No Preservative
for BTEX 8021B, TPH max 80.5
GRO/DRO, & Chloride.

Sampled @ 15:10 hours - @
6" below pit bottom with
3" stainless steel Auger

Red clayey Sand with
streaks of gray to blue green.
decaying hydrocarbon.
Fairly strong hydrocarbon
odor - light hydrocarbons.
Not saturated or moist.