

GW – 348

**GENERAL
CORRESPONDENCE**

YEAR(S): 2006 - 2010



January 13, 2010

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Chaco Chemical
Anthony Wiggins
P.O Box 3526
Farmington, New Mexico 87401

Client No.: 09055-0001

Dear Mr. Wiggins:

Enclosed are the analytical results for the samples collected from the location designated as "Chaco Yard". Five soil samples were collected by Chaco Chemical designated personnel on 12/21/09, and delivered to the Envirotech laboratory on 12/21/09 for Total Petroleum Hydrocarbons (TPH) per USEPA Method 418.1 and List 3103 analysis.

The samples were documented on Envirotech Chain of Custody No. 8565 and was assigned Laboratory Nos. 52762 (Barrel Storage), 52763 (Chemical Storage Drum), 52764 (Canal), 52765 (E of Shop S Side) and 52766 (I of Ship N Side) for tracking purposes.

The samples were analyzed 12/22/09 - 12/30/09 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

A handwritten signature in cursive script, reading 'Christine M. Walters', is written over a horizontal line.

Christine M. Walters
Lab Manager

enc.



Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Barrel Storage	Date Reported:	01-06-10
Laboratory Number:	52762	Date Sampled:	12-21-09
Chain of Custody:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Analyzed:	01-05-10
Preservative:	Cool	Date Digested:	12-22-09
Condition:	Intact	Analysis Needed:	Total Metals

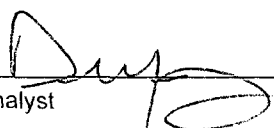
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	0.043	0.001
Barium	14.3	0.001
Cadmium	0.054	0.001
Chromium	0.506	0.001
Copper	1.38	0.001
Iron	584	0.001
Lead	2.96	0.001
Manganese	29.5	0.001
Mercury	0.992	0.001
Selenium	0.036	0.001
Silver	ND	0.001
Zinc	15.8	0.001

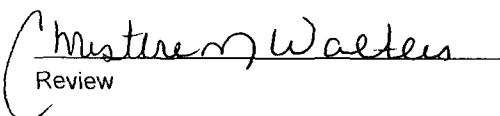
ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: **Chaco Yard**


Analyst


Review



Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Chemical Storage Drain	Date Reported:	01-06-10
Laboratory Number:	52763	Date Sampled:	12-21-09
Chain of Custody:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Analyzed:	01-05-10
Preservative:	Cool	Date Digested:	12-22-09
Condition:	Intact	Analysis Needed:	Total Metals

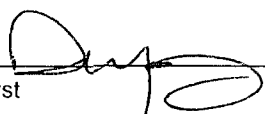
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	0.079	0.001
Barium	20.6	0.001
Cadmium	0.012	0.001
Chromium	1.666	0.001
Copper	1.13	0.001
Iron	1,400	0.001
Lead	2.87	0.001
Manganese	58.5	0.001
Mercury	ND	0.001
Selenium	ND	0.001
Silver	ND	0.001
Zinc	18.5	0.001

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: **Chaco Yard**



Analyst

Review



Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Canal	Date Reported:	01-06-10
Laboratory Number:	52764	Date Sampled:	12-21-09
Chain of Custody:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Analyzed:	01-05-10
Preservative:	Cool	Date Digested:	12-22-09
Condition:	Intact	Analysis Needed:	Total Metals

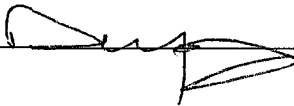
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	0.103	0.001
Barium	42.6	0.001
Cadmium	0.011	0.001
Chromium	1.11	0.001
Copper	0.946	0.001
Iron	1,130	0.001
Lead	1.79	0.001
Manganese	54.8	0.001
Mercury	ND	0.001
Selenium	0.027	0.001
Silver	ND	0.001
Zinc	7.16	0.001

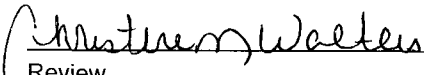
ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Comments: **Chaco Yard**

Analyst 


Review



Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	E of Shop S Side	Date Reported:	01-06-10
Laboratory Number:	52765	Date Sampled:	12-21-09
Chain of Custody:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Analyzed:	01-05-10
Preservative:	Cool	Date Digested:	12-22-09
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	0.228	0.001
Barium	21.5	0.001
Cadmium	0.183	0.001
Chromium	1.96	0.001
Copper	3.99	0.001
Iron	1,740	0.001
Lead	24.3	0.001
Manganese	59.4	0.001
Mercury	ND	0.001
Selenium	ND	0.001
Silver	ND	0.001
Zinc	38.0	0.001

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: **Chaco Yard**

Analyst

Review



Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	E of Shop N Side	Date Reported:	01-06-10
Laboratory Number:	52766	Date Sampled:	12-21-09
Chain of Custody:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Analyzed:	01-05-10
Preservative:	Cool	Date Digested:	12-22-09
Condition:	Intact	Analysis Needed:	Total Metals

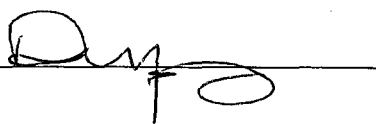
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	0.653	0.001
Barium	19.2	0.001
Cadmium	0.229	0.001
Chromium	2.11	0.001
Copper	5.93	0.001
Iron	1,440	0.001
Lead	85.4	0.001
Manganese	46.9	0.001
Mercury	ND	0.001
Selenium	0.033	0.001
Silver	ND	0.001
Zinc	59.4	0.001

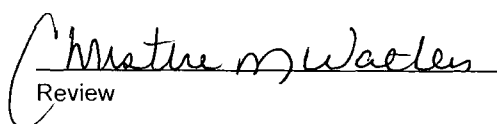
ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: **Chaco Yard**

Analyst 

Review 

TRACE METAL ANALYSIS
Quality Control /
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	01-05-TM QA/QC	Date Reported:	01-06-10
Laboratory Number:	52762	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	01-05-10
Condition:	N/A	Date Digested:	12-22-09

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.043	0.035	18.6%	0% - 30%
Barium	ND	ND	0.001	14.3	12.8	10.2%	0% - 30%
Cadmium	ND	ND	0.001	0.054	0.049	9.3%	0% - 30%
Chromium	ND	ND	0.001	0.506	0.470	7.1%	0% - 30%
Copper	ND	ND	0.001	1.38	1.43	3.8%	0% - 30%
Iron	ND	ND	0.001	584	597	2.2%	0% - 30%
Lead	ND	ND	0.001	2.96	2.68	9.5%	0% - 30%
Manganese	ND	ND	0.001	29.5	30.5	3.3%	0% - 30%
Mercury	ND	ND	0.001	0.992	0.830	16.3%	0% - 30%
Selenium	ND	ND	0.001	0.036	0.036	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Zinc	ND	ND	0.001	15.8	15.7	0.3%	0% - 30%

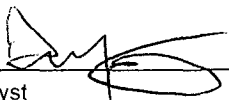
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.250	0.043	0.313	107%	80% - 120%
Barium	0.500	14.3	15.1	102%	80% - 120%
Cadmium	0.250	0.054	0.323	106%	80% - 120%
Chromium	0.500	0.506	1.13	112%	80% - 120%
Copper	0.500	1.38	1.71	91.1%	80% - 120%
Iron	0.500	584	589	101%	80% - 120%
Lead	0.500	2.96	3.39	98.0%	80% - 120%
Manganese	0.500	29.5	31.1	104%	80% - 120%
Mercury	0.100	0.992	0.999	91.5%	80% - 120%
Selenium	0.100	0.036	0.120	88.2%	80% - 120%
Silver	0.100	ND	0.114	114%	80% - 120%
Zinc	0.500	15.8	16.1	99.0%	80% - 120%

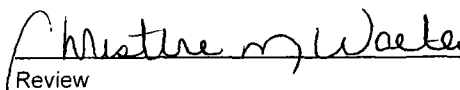
ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
 SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for Samples 52762 - 52766.**


 Analyst


 Review

Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Barrel Storage	Date Reported:	12-24-09
Laboratory Number:	52762	Date Sampled:	12-21-09
Chain of Custody No:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Extracted:	12-22-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Intact	Analysis Needed:	TPH-418.1

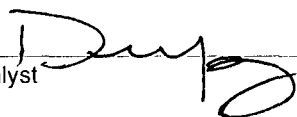
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	184	12.7

ND = Parameter not detected at the stated detection limit.

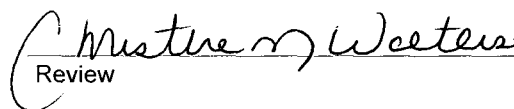
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Chaco Yard.**

Analyst



Review



Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Chemical Storage Drain	Date Reported:	12-24-09
Laboratory Number:	52763	Date Sampled:	12-21-09
Chain of Custody No:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Extracted:	12-22-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Intact	Analysis Needed:	TPH-418.1

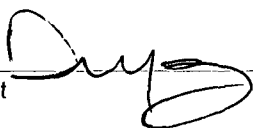
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	875	12.7

ND = Parameter not detected at the stated detection limit.

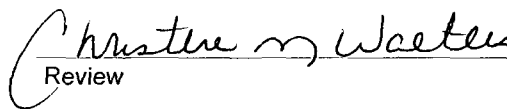
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Chaco Yard.**

Analyst



Review



Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Canal	Date Reported:	12-24-09
Laboratory Number:	52764	Date Sampled:	12-21-09
Chain of Custody No:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Extracted:	12-22-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	56.5	12.7

ND = Parameter not detected at the stated detection limit.

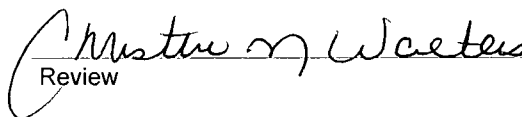
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Chaco Yard.**

Analyst



Review





Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	E of Shop S Side	Date Reported:	12-24-09
Laboratory Number:	52765	Date Sampled:	12-21-09
Chain of Custody No:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Extracted:	12-22-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	6,070	12.7

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Chaco Yard.**

Analyst

Review

Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	E of Shop N Side	Date Reported:	12-24-09
Laboratory Number:	52766	Date Sampled:	12-21-09
Chain of Custody No:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Extracted:	12-22-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Intact	Analysis Needed:	TPH-418.1

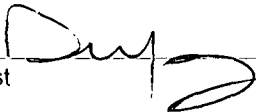
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	46,600	127

ND = Parameter not detected at the stated detection limit.

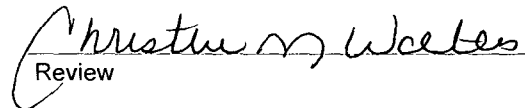
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Chaco Yard.**

Analyst



Review



Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	12-24-09
Laboratory Number:	12-22-TPH.QA/QC 52762	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	12-22-09
Preservative:	N/A	Date Extracted:	12-22-09
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
	12-16-09	12-22-09	1,770	1,750	1.1%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	12.7

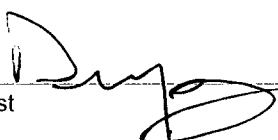
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	184	169	7.7%	+/- 30%

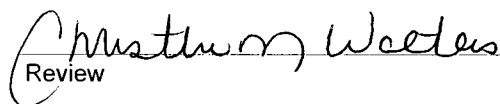
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	184	2,000	2,330	107%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 52762 - 52766.

Analyst 

Review 

Client:	Chaco Chemical	Project #:	09055-001
Sample ID:	Barrel Storage	Date Reported:	12-24-09
Chain of Custody:	8565	Date Sampled:	12-21-09
Laboratory Number:	52762	Date Received:	12-21-09
Sample Matrix:	Soil	Date Analyzed:	12-23-09
Preservative:	Cool	Analysis Requested:	8260 VOC
Condition:	Intact		

Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/Kg)	1.0	1.0
Toluene	ND	(ug/Kg)	1.0	1.0
Ethylbenzene	560	(ug/Kg)	1.0	10.0
Xylenes, Total	5,560	(ug/Kg)	1.0	10.0
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1.0
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1.0
1,3,5-Trimethylbenzene	500	(ug/Kg)	1.0	10.0
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1.0
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1.0
Naphthalene	370	(ug/Kg)	1.0	10.0
1-Methylnaphthalene	1,330	(ug/Kg)	2.0	10.0
2-Methylnaphthalene	1,570	(ug/Kg)	2.0	10.0
Bromobenzene	272	(ug/Kg)	1.0	10.0
Bromochloromethane	ND	(ug/Kg)	1.0	1.0
Bromodichloromethane	ND	(ug/Kg)	1.0	1.0
Bromoform	ND	(ug/Kg)	1.0	1.0
Bromomethane	ND	(ug/Kg)	1.0	1.0
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1.0
Chlorobenzene	ND	(ug/Kg)	1.0	1.0
Chloroethane	ND	(ug/Kg)	2.0	1.0
Chloroform	ND	(ug/Kg)	1.0	1.0
Chloromethane	ND	(ug/Kg)	1.0	1.0
2-Chlorotoluene	ND	(ug/Kg)	1.0	1.0
4-Chlorotoluene	ND	(ug/Kg)	1.0	1.0
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1.0
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1.0
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1.0
Dibromochloromethane	ND	(ug/Kg)	1.0	1.0
Dibromoethane	ND	(ug/Kg)	2.0	1.0
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1.0
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1.0
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1.0
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1.0
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1.0
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1.0

Client: Chaco Chemical
 Sample ID: Barrel Storage
 Laboratory Number: 52762

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Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1.0
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1.0
Isopropylbenzene	ND	(ug/Kg)	1.0	1.0
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1.0
Methylene Chloride	ND	(ug/Kg)	3.0	1.0
n-Butylbenzene	ND	(ug/Kg)	1.0	1.0
n-Propylbenzene	220	(ug/Kg)	1.0	10.0
sec-Butylbenzene	ND	(ug/Kg)	1.0	1.0
Styrene	ND	(ug/Kg)	1.0	1.0
tert-Butylbenzene	ND	(ug/Kg)	1.0	1.0
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1.0
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1.0
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1.0
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1.0
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1.0
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1.0
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1.0
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1.0
Vinyl Chloride	ND	(ug/Kg)	2.0	1.0

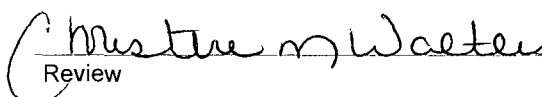
Surrogates:	Rec. Limits			
Dibromofluoromethane	108	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	117	% Recovery	74.6-123	1
Toluene-d8	105	% Recovery	84.2-115	1
4-Bromofluorobenzene	116	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
 Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: **Chaco Yard.**


 Analyst


 Review



envirotech

Analytical Laboratory

EPA Method 8260B

Volatile Organic Compounds by GC/MS

Client:	Chaco Chemical	Project #:	09055-001
Sample ID:	Chem. Storage Drain	Date Reported:	12-24-09
Chain of Custody:	8565	Date Sampled:	12-21-09
Laboratory Number:	52763	Date Received:	12-21-09
Sample Matrix:	Soil	Date Analyzed:	3 Dec 2009
Preservative:	Cool	Analysis Requested:	8260 VOC
Condition:	Intact		

Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/Kg)	1.0	1.0
Toluene	ND	(ug/Kg)	1.0	1.0
Ethylbenzene	1,460	(ug/Kg)	1.0	10.0
Xylenes, Total	1,500	(ug/Kg)	1.0	10.0
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1.0
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1.0
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1.0
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1.0
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1.0
Naphthalene	50.0	(ug/Kg)	1.0	1.0
1-Methylnaphthalene	920	(ug/Kg)	2.0	10.0
2-Methylnaphthalene	946	(ug/Kg)	2.0	10.0
Bromobenzene	ND	(ug/Kg)	1.0	1.0
Bromochloromethane	ND	(ug/Kg)	1.0	1.0
Bromodichloromethane	ND	(ug/Kg)	1.0	1.0
Bromoform	ND	(ug/Kg)	1.0	1.0
Bromomethane	ND	(ug/Kg)	1.0	1.0
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1.0
Chlorobenzene	ND	(ug/Kg)	1.0	1.0
Chloroethane	ND	(ug/Kg)	2.0	1.0
Chloroform	449	(ug/Kg)	1.0	10.0
Chloromethane	ND	(ug/Kg)	1.0	1.0
2-Chlorotoluene	ND	(ug/Kg)	1.0	1.0
4-Chlorotoluene	ND	(ug/Kg)	1.0	1.0
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1.0
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1.0
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1.0
Dibromochloromethane	ND	(ug/Kg)	1.0	1.0
Dibromoethane	ND	(ug/Kg)	2.0	1.0
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1.0
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1.0
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1.0
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1.0
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1.0
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1.0



Client: Chaco Chemical
Sample ID: Chem. Storage Drain
Laboratory Number: 52763

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Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1.0
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1.0
Isopropylbenzene	ND	(ug/Kg)	1.0	1.0
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1.0
Methylene Chloride	ND	(ug/Kg)	3.0	1.0
n-Butylbenzene	ND	(ug/Kg)	1.0	1.0
n-Propylbenzene	ND	(ug/Kg)	1.0	1.0
sec-Butylbenzene	ND	(ug/Kg)	1.0	1.0
Styrene	ND	(ug/Kg)	1.0	1.0
tert-Butylbenzene	ND	(ug/Kg)	1.0	1.0
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1.0
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1.0
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1.0
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1.0
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1.0
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1.0
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1.0
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1.0
Vinyl Chloride	ND	(ug/Kg)	2.0	1.0

Surrogates:	Rec. Limits			
Dibromofluoromethane	87.4	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	122	% Recovery	74.6-123	1
Toluene-d8	82.4	% Recovery	84.2-115	1
4-Bromofluorobenzene	86.5	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: **Chaco Yard.**

Analyst

Review



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Analytical Laboratory

EPA Method 8260B

Volatile Organic Compounds by GC/MS

Client:	Chaco Chemical	Project #:	09055-001
Sample ID:	Canal	Date Reported:	12-24-09
Chain of Custody:	8565	Date Sampled:	12-21-09
Laboratory Number:	52764	Date Received:	12-21-09
Sample Matrix:	Soil	Date Analyzed:	3 Dec 2009
Preservative:	Cool	Analysis Requested:	8260 VOC
Condition:	Intact		

Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/Kg)	1.0	1.0
Toluene	ND	(ug/Kg)	1.0	1.0
Ethylbenzene	ND	(ug/Kg)	1.0	1.0
Xylenes, Total	ND	(ug/Kg)	1.0	1.0
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1.0
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1.0
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1.0
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1.0
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1.0
Naphthalene	ND	(ug/Kg)	1.0	1.0
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1.0
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1.0
Bromobenzene	ND	(ug/Kg)	1.0	1.0
Bromochloromethane	ND	(ug/Kg)	1.0	1.0
Bromodichloromethane	ND	(ug/Kg)	1.0	1.0
Bromoform	ND	(ug/Kg)	1.0	1.0
Bromomethane	ND	(ug/Kg)	1.0	1.0
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1.0
Chlorobenzene	ND	(ug/Kg)	1.0	1.0
Chloroethane	ND	(ug/Kg)	2.0	1.0
Chloroform	ND	(ug/Kg)	1.0	1.0
Chloromethane	ND	(ug/Kg)	1.0	1.0
2-Chlorotoluene	ND	(ug/Kg)	1.0	1.0
4-Chlorotoluene	ND	(ug/Kg)	1.0	1.0
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1.0
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1.0
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1.0
Dibromochloromethane	ND	(ug/Kg)	1.0	1.0
Dibromoethane	ND	(ug/Kg)	2.0	1.0
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1.0
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1.0
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1.0
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1.0
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1.0
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1.0



Client: Chaco Chemical
Sample ID: Canal
Laboratory Number: 52764

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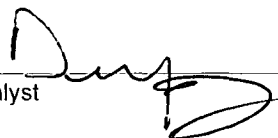
Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1.0
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1.0
Isopropylbenzene	ND	(ug/Kg)	1.0	1.0
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1.0
Methylene Chloride	ND	(ug/Kg)	3.0	1.0
n-Butylbenzene	ND	(ug/Kg)	1.0	1.0
n-Propylbenzene	ND	(ug/Kg)	1.0	1.0
sec-Butylbenzene	ND	(ug/Kg)	1.0	1.0
Styrene	ND	(ug/Kg)	1.0	1.0
tert-Butylbenzene	ND	(ug/Kg)	1.0	1.0
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1.0
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1.0
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1.0
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1.0
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1.0
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1.0
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1.0
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1.0
Vinyl Chloride	ND	(ug/Kg)	2.0	1.0

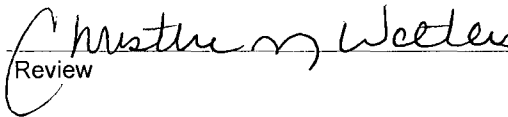
Surrogates:	Rec. Limits			
Dibromofluoromethane	104	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	83.4	% Recovery	74.6-123	1
Toluene-d8	111	% Recovery	84.2-115	1
4-Bromofluorobenzene	115	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: **Chaco Yard.**

Analyst 

Review 



Client:	Chaco Chemical	Project #:	09055-001
Sample ID:	E of Shop S Side	Date Reported:	12-24-09
Chain of Custody:	8565	Date Sampled:	12-21-09
Laboratory Number:	52765	Date Received:	12-21-09
Sample Matrix:	Soil	Date Analyzed:	3 Dec 2009
Preservative:	Cool	Analysis Requested:	8260 VOC
Condition:	Intact		

Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/Kg)	1.0	1.0
Toluene	ND	(ug/Kg)	1.0	1.0
Ethylbenzene	ND	(ug/Kg)	1.0	1.0
Xylenes, Total	ND	(ug/Kg)	1.0	1.0
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1.0
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1.0
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1.0
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1.0
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1.0
Naphthalene	ND	(ug/Kg)	1.0	1.0
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1.0
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1.0
Bromobenzene	ND	(ug/Kg)	1.0	1.0
Bromochloromethane	ND	(ug/Kg)	1.0	1.0
Bromodichloromethane	ND	(ug/Kg)	1.0	1.0
Bromoform	ND	(ug/Kg)	1.0	1.0
Bromomethane	ND	(ug/Kg)	1.0	1.0
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1.0
Chlorobenzene	ND	(ug/Kg)	1.0	1.0
Chloroethane	ND	(ug/Kg)	2.0	1.0
Chloroform	ND	(ug/Kg)	1.0	1.0
Chloromethane	ND	(ug/Kg)	1.0	1.0
2-Chlorotoluene	ND	(ug/Kg)	1.0	1.0
4-Chlorotoluene	ND	(ug/Kg)	1.0	1.0
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1.0
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1.0
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1.0
Dibromochloromethane	ND	(ug/Kg)	1.0	1.0
Dibromoethane	ND	(ug/Kg)	2.0	1.0
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1.0
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1.0
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1.0
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1.0
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1.0
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1.0



Client: Chaco Chemical
Sample ID: E of Shop S Side
Laboratory Number: 52765

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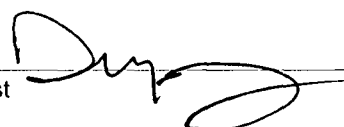
Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1.0
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1.0
Isopropylbenzene	ND	(ug/Kg)	1.0	1.0
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1.0
Methylene Chloride	ND	(ug/Kg)	3.0	1.0
n-Butylbenzene	ND	(ug/Kg)	1.0	1.0
n-Propylbenzene	ND	(ug/Kg)	1.0	1.0
sec-Butylbenzene	ND	(ug/Kg)	1.0	1.0
Styrene	ND	(ug/Kg)	1.0	1.0
tert-Butylbenzene	ND	(ug/Kg)	1.0	1.0
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1.0
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1.0
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1.0
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1.0
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1.0
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1.0
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1.0
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1.0
Vinyl Chloride	ND	(ug/Kg)	2.0	1.0

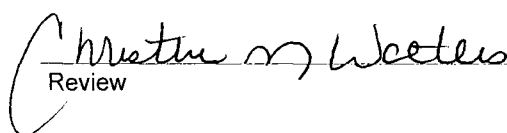
Surrogates:	Rec. Limits			
Dibromofluoromethane	111	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	98.7	% Recovery	74.6-123	1
Toluene-d8	103	% Recovery	84.2-115	1
4-Bromofluorobenzene	100	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: **Chaco Yard.**

Analyst 

Review 



Client:	Chaco Chemical	Project #:	09055-001
Sample ID:	E of Shop N Side	Date Reported:	12-24-09
Chain of Custody:	8565	Date Sampled:	12-21-09
Laboratory Number:	52766	Date Received:	12-21-09
Sample Matrix:	Soil	Date Analyzed:	3 Dec 2009
Preservative:	Cool	Analysis Requested:	8260 VOC
Condition:	Intact		

Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/Kg)	1.0	1.0
Toluene	ND	(ug/Kg)	1.0	1.0
Ethylbenzene	ND	(ug/Kg)	1.0	1.0
Xylenes, Total	ND	(ug/Kg)	1.0	1.0
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1.0
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1.0
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1.0
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1.0
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1.0
Naphthalene	ND	(ug/Kg)	1.0	1.0
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1.0
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1.0
Bromobenzene	ND	(ug/Kg)	1.0	1.0
Bromochloromethane	ND	(ug/Kg)	1.0	1.0
Bromodichloromethane	ND	(ug/Kg)	1.0	1.0
Bromoform	ND	(ug/Kg)	1.0	1.0
Bromomethane	ND	(ug/Kg)	1.0	1.0
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1.0
Chlorobenzene	ND	(ug/Kg)	1.0	1.0
Chloroethane	ND	(ug/Kg)	2.0	1.0
Chloroform	ND	(ug/Kg)	1.0	1.0
Chloromethane	ND	(ug/Kg)	1.0	1.0
2-Chlorotoluene	ND	(ug/Kg)	1.0	1.0
4-Chlorotoluene	ND	(ug/Kg)	1.0	1.0
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1.0
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1.0
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1.0
Dibromochloromethane	ND	(ug/Kg)	1.0	1.0
Dibromoethane	ND	(ug/Kg)	2.0	1.0
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1.0
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1.0
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1.0
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1.0
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1.0
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1.0
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1.0

Client: Chaco Chemical
 Sample ID: E of Shop N Side
 Laboratory Number: 52766

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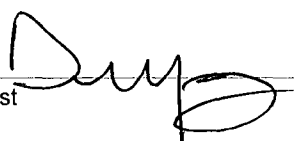
Parameter	Concentration (ug/Kg)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1.0
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1.0
Isopropylbenzene	ND	(ug/Kg)	1.0	1.0
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1.0
Methylene Chloride	ND	(ug/Kg)	3.0	1.0
n-Butylbenzene	ND	(ug/Kg)	1.0	1.0
n-Propylbenzene	ND	(ug/Kg)	1.0	1.0
sec-Butylbenzene	ND	(ug/Kg)	1.0	1.0
Styrene	ND	(ug/Kg)	1.0	1.0
tert-Butylbenzene	340	(ug/Kg)	1.0	1.0
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1.0
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1.0
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1.0
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1.0
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1.0
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1.0
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1.0
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1.0
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1.0
Vinyl Chloride	ND	(ug/Kg)	2.0	1.0

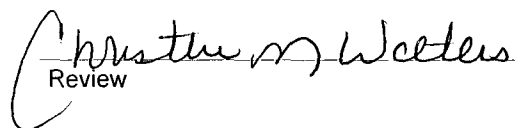
Surrogates:	Rec. Limits			
Dibromofluoromethane	111	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	90.2	% Recovery	74.6-123	1
Toluene-d8	111	% Recovery	84.2-115	1
4-Bromofluorobenzene	101	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
 Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: **Chaco Yard.**

Analyst 

Review 

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

Client:	QA/QC	Project #:	N/A
Sample ID:	Daily Calibration	Date Reported:	12-24-09
Laboratory Number:	1223V	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-23-09
Condition:	N/A	Analysis Requested:	8260 VOC

Parameter	Concentration (ug/L)	Result	% Recovered	% Recovery Limits
Benzene	100	102	102	80 - 120
Toluene	100	101	101	80 - 120
Ethylbenzene	100	108	108	80 - 120
Xylenes, Total	100	107	107	80 - 120
Methyl tert-butyl ether (MTBE)	100	110	110	80 - 120
1,2,4-Trimethylbenzene	100	103	103	80 - 120
1,3,5-Trimethylbenzene	100	105	105	80 - 120
1,2-Dichloroethane (EDC)	100	103	103	80 - 120
1,2-Dibromoethane (EDB)	100	98.6	98.6	80 - 120
Naphthalene	100	106	106	80 - 120
1-Methylnaphthalene	100	101	101	80 - 120
2-Methylnaphthalene	100	108	108	80 - 120
Bromobenzene	100	109	109	80 - 120
Bromochloromethane	100	108	108	80 - 120
Bromodichloromethane	100	112	112	80 - 120
Bromoform	100	104	104	80 - 120
Bromomethane	100	104	104	80 - 120
Carbon Tetrachloride	100	104	104	80 - 120
Chlorobenzene	100	101	101	80 - 120
Chloroethane	100	100	100	80 - 120
Chloroform	100	120	120	80 - 120
Chloromethane	100	91.9	91.9	80 - 120
2-Chlorotoluene	100	103	103	80 - 120
4-Chlorotoluene	100	110	110	80 - 120
cis-1,2-Dichloroethene	100	104	104	80 - 120
cis-1,3-Dichloropropene	100	103	103	80 - 120
1,2-Dibromo-3-chloropropane	100	98.7	98.7	80 - 120
Dibromochloromethane	100	107	107	80 - 120
Dibromoethane	100	100	100	80 - 120
1,2-Dichlorobenzene	100	103	103	80 - 120
1,3-Dichlorobenzene	100	101	101	80 - 120
1,4-Dichlorobenzene	100	100	100	80 - 120
Dichlorodifluoromethane	100	105	105	80 - 120
1,1-Dichloroethane	100	117	117	80 - 120
1,1-Dichloroethene	100	102	102	80 - 120
1,2-Dichloropropane	100	102	102	80 - 120
1,3-Dichloropropane	100	103	103	80 - 120
2,2-Dichloropropane	100	111	111	80 - 120



Client: QA/QC
Sample ID: Daily Calibration
Laboratory Number: 1223V

page 2

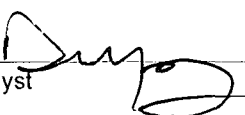
Parameter	Concentration (ug/L)	Result	% Recovered	% Recovery Limits
1,1-Dichloropropene	100	108	108	80 - 120
Hexachlorobutadiene	100	114	114	80 - 120
Isopropylbenzene	100	104	104	80 - 120
4-Isopropyltoluene	100	108	108	80 - 120
Methylene Chloride	100	110	110	80 - 120
n-Butylbenzene	100	111	111	80 - 120
n-Propylbenzene	100	104	104	80 - 120
sec-Butylbenzene	100	103	103	80 - 120
Styrene	100	106	106	80 - 120
tert-Butylbenzene	100	102	102	80 - 120
Tetrachloroethene (PCE)	100	101	101	80 - 120
1,1,1,2-Tetrachloroethane	100	103	103	80 - 120
1,1,2,2-Tetrachloroethane	100	105	105	80 - 120
trans-1,2-Dichloroethene	100	106	106	80 - 120
trans-1,3-Dichloropropene	100	106	106	80 - 120
Trichloroethene (TCE)	100	106	106	80 - 120
Trichlorofluoromethane	100	120	120	80 - 120
1,2,3-Trichlorobenzene	100	102	102	80 - 120
1,2,4-Trichlorobenzene	100	101	101	80 - 120
1,1,1-Trichloroethane	100	108	108	80 - 120
1,1,2-Trichloroethane	100	109	109	80 - 120
1,2,3-Trichloropropane	100	102	102	80 - 120
Vinyl Chloride	100	96.4	96.4	80 - 120

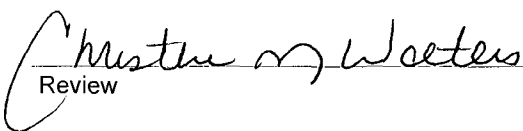
Surrogates:			Rec. Limits
Dibromofluoromethane	102	% Recovery	78.6-115
1,2-Dichloroethane-d4	92.3	% Recovery	74.6-123
Toluene-d8	108	% Recovery	84.2-115
4-Bromofluorobenzene	100	% Recovery	78.6-115

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, July 1992.
Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: QA/QC for Sample 52762 - 52766.

Analyst 

Review 



envirotech

Analytical Laboratory

EPA Method 8260B

Volatile Organic Compounds by GC/MS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Blank	Date Reported:	12-24-09
Laboratory Number:	1223VBLK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-23-09
Condition:	N/A	Analysis Requested:	8260 VOC

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	ND	(ug/L)	1.0	1
Xylenes, Total	ND	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Naphthalene	ND	(ug/L)	1.0	1
1-Methylnaphthalene	ND	(ug/L)	2.0	1
2-Methylnaphthalene	ND	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	ND	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1

Client: QA/QC
 Sample ID: Blank
 Laboratory Number: 1223VBLK

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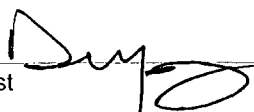
Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	ND	(ug/L)	1.0	1
4-Isopropyltoluene	ND	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	1.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	ND	(ug/L)	1.0	1
sec-Butylbenzene	ND	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	ND	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1

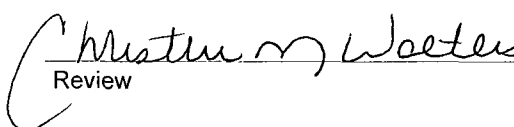
Surrogates:	Rec. Limits			
Dibromofluoromethane	105	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	97.5	% Recovery	74.6-123	1
Toluene-d8	111	% Recovery	84.2-115	1
4-Bromofluorobenzene	111	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
 SW-846, USEPA, July 1992.
 Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
 Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: QA/QC for Samples 52762 - 52766.

Analyst 

Review 

Client: QA/QC
 Sample ID: Matrix Spikes
 Laboratory Number: 12-23 VOA - 52762
 Sample Matrix: Soil
 Preservative: N/A
 Condition: N/A

Project #: N/A
 Date Reported: 12-24-09
 Date Sampled: N/A
 Date Received: N/A
 Date Analyzed: 12-23-09
 Analysis Requested: 8260 VOC

Spike Analyte	Units: ug/Kg			%Recovery	Recovery Limits	Det. Limit
	Sample	Added	Result			
Benzene	ND	100	106	106%	85.3 - 120	1.0
Toluene	ND	100	103	103%	73 - 123	1.0
Chlorobenzene	ND	100	103	103%	84.7 - 119	1.0
1,1-Dichloroethene	ND	100	104	104%	83.4 - 122	1.0
Trichloroethene (TCE)	ND	100	105	105%	76.1 - 126	1.0

Spike Duplicate Analyte	Units: ug/Kg			%Recovery	Recovery Limits	Det. Limit
	Sample	Added	Result			
Benzene	ND	100	100	100%	85.3 - 120	1.0
Toluene	ND	100	98.7	98.7%	73 - 123	1.0
Chlorobenzene	ND	100	95.7	95.7%	84.7 - 119	1.0
1,1-Dichloroethene	ND	100	100	100%	83.4 - 122	1.0
Trichloroethene (TCE)	ND	100	98.3	98.3%	76.1 - 126	1.0

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,
 SW-846, USEPA, July 1992.
 Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass
 Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: QA/QC for Samples 52762 - 52766.

Analyst

Review



Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Barrel Storage	Date Reported:	12-24-09
Laboratory Number:	52762	Date Sampled:	12-21-09
Chain of Custody:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Extracted:	12-22-09
Preservative:	Cool	Date Analyzed:	12-23-09
Condition:	Intact	Analysis Requested:	Phenols

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.005	200
p,m-Cresol	ND	0.005	200
2,4,6-Trichlorophenol	ND	0.005	2.0
2,4,5-Trichlorophenol	ND	0.005	400
Pentachlorophenol	ND	0.005	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98.0%
	2,4,6-Tribromophenol	97.0%

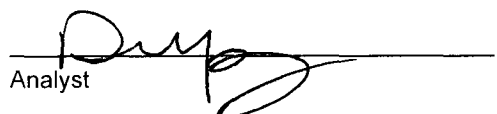
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

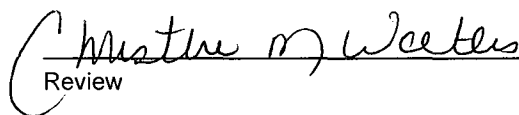
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8270, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Chaco Yard.**


Analyst


Review



Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Chemical Storage Drain	Date Reported:	12-24-09
Laboratory Number:	52763	Date Sampled:	12-21-09
Chain of Custody:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Extracted:	12-22-09
Preservative:	Cool	Date Analyzed:	12-23-09
Condition:	Intact	Analysis Requested:	Phenols

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.005	200
p,m-Cresol	ND	0.005	200
2,4,6-Trichlorophenol	ND	0.005	2.0
2,4,5-Trichlorophenol	ND	0.005	400
Pentachlorophenol	ND	0.005	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	92.7%
	2,4,6-Tribromophenol	94.6%

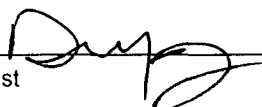
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

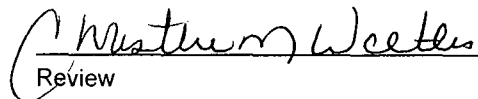
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8270, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Chaco Yard.**


Analyst


Review

Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Canal	Date Reported:	12-24-09
Laboratory Number:	52764	Date Sampled:	12-21-09
Chain of Custody:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Extracted:	12-22-09
Preservative:	Cool	Date Analyzed:	12-23-09
Condition:	Intact	Analysis Requested:	Phenols

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.005	200
p,m-Cresol	ND	0.005	200
2,4,6-Trichlorophenol	ND	0.005	2.0
2,4,5-Trichlorophenol	ND	0.005	400
Pentachlorophenol	ND	0.005	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	93.9%
	2,4,6-Tribromophenol	94.2%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

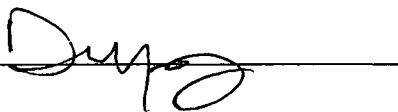
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8270, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

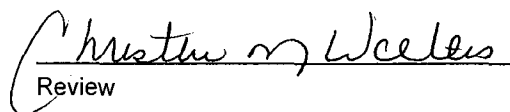
Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Chaco Yard.**

Analyst



Review



Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	E of Shop S Side	Date Reported:	12-24-09
Laboratory Number:	52765	Date Sampled:	12-21-09
Chain of Custody:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Extracted:	12-22-09
Preservative:	Cool	Date Analyzed:	12-23-09
Condition:	Intact	Analysis Requested:	Phenols

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.005	200
p,m-Cresol	ND	0.005	200
2,4,6-Trichlorophenol	ND	0.005	2.0
2,4,5-Trichlorophenol	ND	0.005	400
Pentachlorophenol	ND	0.005	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	92.4%
	2,4,6-Tribromophenol	87.7%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8270, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Chaco Yard.**

Analyst

Review

Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	E of Shop N Side	Date Reported:	12-24-09
Laboratory Number:	52766	Date Sampled:	12-21-09
Chain of Custody:	8565	Date Received:	12-21-09
Sample Matrix:	Soil	Date Extracted:	12-22-09
Preservative:	Cool	Date Analyzed:	12-23-09
Condition:	Intact	Analysis Requested:	Phenols

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.005	200
p,m-Cresol	ND	0.005	200
2,4,6-Trichlorophenol	ND	0.005	2.0
2,4,5-Trichlorophenol	ND	0.005	400
Pentachlorophenol	ND	0.005	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	90.6%
	2,4,6-Tribromophenol	95.7%

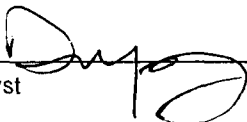
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

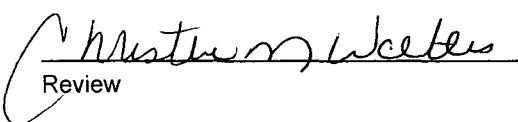
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8270, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Chaco Yard.**

Analyst 

Review 



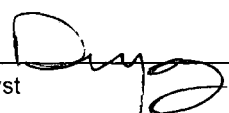
Client:	QA/QC	Project #:	N/A
Sample ID:	12-23-TCA QA/QC	Date Reported:	12-24-08
Laboratory Number:	46392	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-23-09
Condition:	N/A	Analysis Requested:	Phenols

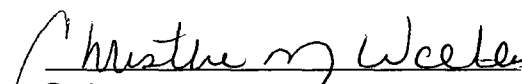
Blanks & Duplicate Conc (mg/Kg)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
o-Cresol	ND	ND	0.005	ND	ND	0.0%
p,m-Cresol	ND	ND	0.005	ND	ND	ERR
2,4,6-Trichlorophenol	ND	ND	0.005	ND	ND	0.0%
2,4,5-Trichlorophenol	ND	ND	0.005	ND	ND	0.0%
Pentachlorophenol	ND	ND	0.005	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8041, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Comments: **QA/QC for Samples 52762 - 52766.**

Analyst 


Review



Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Barrel Storage	Date Reported:	12-24-09
Laboratory Number:	52762	Date Sampled:	12-21-09
Sample Matrix:	Soil Extract	Date Received:	12-21-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Cool & Intact	Chain of Custody:	8565

Parameter	Analytical Result	Units
Total Dissolved Solids @ 180C	11,100	mg/L
Chloride	4,350	mg/L
Sulfate	241	mg/L
pH	5.51	su

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Chaco Yard.**

Analyst

Review



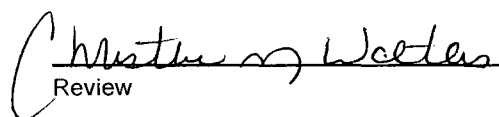
Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Chemical Storage Drain	Date Reported:	12-24-09
Laboratory Number:	52763	Date Sampled:	12-21-09
Sample Matrix:	Soil Extract	Date Received:	12-21-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Cool & Intact	Chain of Custody:	8565

Parameter	Analytical Result	Units
Total Dissolved Solids @ 180C	1,240	mg/L
Chloride	70.0	mg/L
Sulfate	301	mg/L
pH	7.38	su

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Chaco Yard.**


Analyst

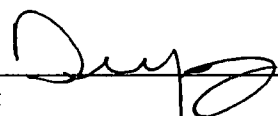

Review

Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Canal	Date Reported:	12-24-09
Laboratory Number:	52764	Date Sampled:	12-21-09
Sample Matrix:	Soil Extract	Date Received:	12-21-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Cool & Intact	Chain of Custody:	8565

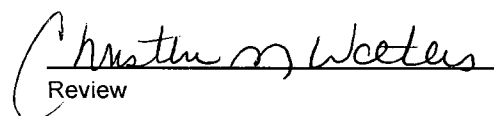
Parameter	Analytical Result	Units
Total Dissolved Solids @ 180C	1,300	mg/L
Chloride	430	mg/L
Sulfate	184	mg/L
pH	7.28	su

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Chaco Yard.**



Analyst



Review

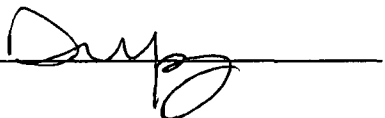
Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	E of Shop S Side	Date Reported:	12-24-09
Laboratory Number:	52765	Date Sampled:	12-21-09
Sample Matrix:	Soil Extract	Date Received:	12-21-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Cool & Intact	Chain of Custody:	8565

Parameter	Analytical Result	Units
Total Dissolved Solids @ 180C	990	mg/L
Chloride	80.0	mg/L
Sulfate	197	mg/L
pH	6.99	su

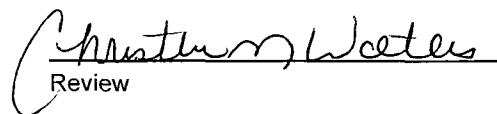
Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Chaco Yard.**

Analyst



Review



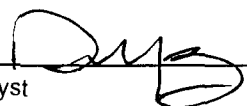


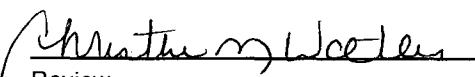
Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	E of Shop N Side	Date Reported:	12-24-09
Laboratory Number:	52766	Date Sampled:	12-21-09
Sample Matrix:	Soil Extract	Date Received:	12-21-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Cool & Intact	Chain of Custody:	8565

Parameter	Analytical Result	Units
Total Dissolved Solids @ 180C	540	mg/L
Chloride	110	mg/L
Sulfate	<0.1	mg/L
pH	7.02	su

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Chaco Yard.**


Analyst

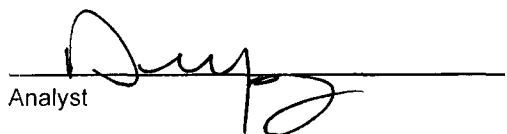

Review

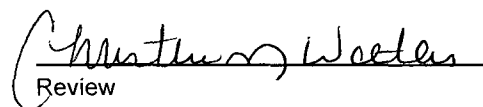
Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Barrel Storage	Date Reported:	12-24-09
Laboratory Number:	52762	Date Sampled:	12-21-09
Sample Matrix:	Soil Extract	Date Received:	12-21-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Cool & Intact	Chain of Custody:	8565

Parameter	Analytical Result	Units
Cyanide (total)	0.001	mg/L

Reference: U.S.E.P.A., Method 335.3 Cyanide, Total.

Comments: **Chaco Yard.**


Analyst


Review

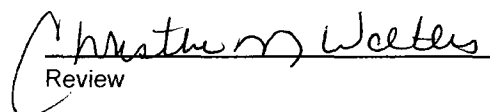
Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Chemical Storage Drain	Date Reported:	12-24-09
Laboratory Number:	52763	Date Sampled:	12-21-09
Sample Matrix:	Soil Extract	Date Received:	12-21-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Cool & Intact	Chain of Custody:	8565

Parameter	Analytical Result	Units
Cyanide (total)	0.012	mg/L

Reference: U.S.E.P.A., Method 335.3 Cyanide, Total.

Comments: Chaco Yard.


Analyst


Review

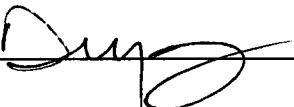


Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Canal	Date Reported:	12-24-09
Laboratory Number:	52764	Date Sampled:	12-21-09
Sample Matrix:	Soil Extract	Date Received:	12-21-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Cool & Intact	Chain of Custody:	8565

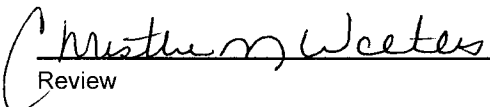
Parameter	Analytical Result	Units
Cyanide (total)	0.002	mg/L

Reference: U.S.E.P.A., Method 335.3 Cyanide, Total.

Comments: **Chaco Yard.**



Analyst



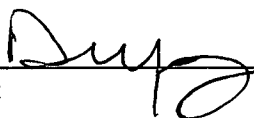
Review

Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	E of Shop S Side	Date Reported:	12-24-09
Laboratory Number:	52765	Date Sampled:	12-21-09
Sample Matrix:	Soil Extract	Date Received:	12-21-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Cool & Intact	Chain of Custody:	8565

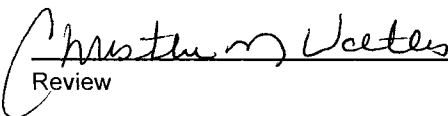
Parameter	Analytical Result	Units
Cyanide (total)	0.002	mg/L

Reference: U.S.E.P.A., Method 335.3 Cyanide, Total.

Comments: **Chaco Yard.**



Analyst



Review

Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	E of Shop N Side	Date Reported:	12-24-09
Laboratory Number:	52766	Date Sampled:	12-21-09
Sample Matrix:	Soil Extract	Date Received:	12-21-09
Preservative:	Cool	Date Analyzed:	12-22-09
Condition:	Cool & Intact	Chain of Custody:	8565

Parameter	Analytical Result	Units
Cyanide (total)	0.005	mg/L

Reference: U.S.E.P.A., Method 335.3 Cyanide, Total.

Comments: **Chaco Yard.**

Analyst

Review

Hall Environmental Analysis Laboratory, Inc.

Date: 12-Jan-10

CLIENT: Envirotech
Lab Order: 0912475
Project: Chaco Chemical Company
Lab ID: 0912475-01

Client Sample ID: Barrel Storage/ 52762
Collection Date: 12/29/2009
Date Received: 12/22/2009
Matrix: LEACHATE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8082: PCB'S						Analyst: SCC
Aroclor 1016	ND	1.0		µg/L	1	12/30/2009 5:41:51 AM
Aroclor 1221	ND	1.0		µg/L	1	12/30/2009 5:41:51 AM
Aroclor 1232	ND	1.0		µg/L	1	12/30/2009 5:41:51 AM
Aroclor 1242	ND	1.0		µg/L	1	12/30/2009 5:41:51 AM
Aroclor 1248	ND	1.0		µg/L	1	12/30/2009 5:41:51 AM
Aroclor 1254	ND	1.0		µg/L	1	12/30/2009 5:41:51 AM
Aroclor 1260	ND	1.0		µg/L	1	12/30/2009 5:41:51 AM
Surr: Decachlorobiphenyl	64.4	23.9-124		%REC	1	12/30/2009 5:41:51 AM
Surr: Tetrachloro-m-xylene	76.4	28.1-139		%REC	1	12/30/2009 5:41:51 AM
EPA METHOD 8270C: PAHS						Analyst: JDC
Naphthalene	3.7	0.50		µg/L	1	12/30/2009 11:18:53 AM
1-Methylnaphthalene	3.6	0.50		µg/L	1	12/30/2009 11:18:53 AM
2-Methylnaphthalene	3.8	0.50		µg/L	1	12/30/2009 11:18:53 AM
Benzo(a)pyrene	ND	0.50		µg/L	1	12/30/2009 11:18:53 AM
Surr: Benzo(e)pyrene	83.2	38-145		%REC	1	12/30/2009 11:18:53 AM
Surr: N-hexadecane	80.4	40-107		%REC	1	12/30/2009 11:18:53 AM

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Estimated value	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
	ND Not Detected at the Reporting Limit	RL Reporting Limit
	S Spike recovery outside accepted recovery limits	

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Hall Environmental Analysis Laboratory, Inc.

Date: 12-Jan-10

CLIENT:	Envirotech	Client Sample ID:	Chemical Storage Drain/ 52763
Lab Order:	0912475	Collection Date:	12/29/2009
Project:	Chaco Chemical Company	Date Received:	12/22/2009
Lab ID:	0912475-02	Matrix:	LEACHATE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8082: PCB'S						Analyst: SCC
Aroclor 1016	ND	1.0		µg/L	1	12/30/2009 6:29:29 AM
Aroclor 1221	ND	1.0		µg/L	1	12/30/2009 6:29:29 AM
Aroclor 1232	ND	1.0		µg/L	1	12/30/2009 6:29:29 AM
Aroclor 1242	ND	1.0		µg/L	1	12/30/2009 6:29:29 AM
Aroclor 1248	ND	1.0		µg/L	1	12/30/2009 6:29:29 AM
Aroclor 1254	ND	1.0		µg/L	1	12/30/2009 6:29:29 AM
Aroclor 1260	ND	1.0		µg/L	1	12/30/2009 6:29:29 AM
Surr: Decachlorobiphenyl	48.8	23.9-124		%REC	1	12/30/2009 6:29:29 AM
Surr: Tetrachloro-m-xylene	57.6	28.1-139		%REC	1	12/30/2009 6:29:29 AM
EPA METHOD 8270C: PAHS						Analyst: JDC
Naphthalene	ND	0.50		µg/L	1	12/30/2009 11:41:02 AM
1-Methylnaphthalene	ND	0.50		µg/L	1	12/30/2009 11:41:02 AM
2-Methylnaphthalene	ND	0.50		µg/L	1	12/30/2009 11:41:02 AM
Benzo(a)pyrene	ND	0.50		µg/L	1	12/30/2009 11:41:02 AM
Surr: Benzo(e)pyrene	55.9	38-145		%REC	1	12/30/2009 11:41:02 AM
Surr: N-hexadecane	54.6	40-107		%REC	1	12/30/2009 11:41:02 AM

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Estimated value	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
	ND Not Detected at the Reporting Limit	RL Reporting Limit
	S Spike recovery outside accepted recovery limits	

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Hall Environmental Analysis Laboratory, Inc.

Date: 12-Jan-10

CLIENT:	Envirotech	Client Sample ID:	Canal/ 52764
Lab Order:	0912475	Collection Date:	12/29/2009
Project:	Chaco Chemical Company	Date Received:	12/22/2009
Lab ID:	0912475-03	Matrix:	LEACHATE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8082: PCB'S						Analyst: SCC
Aroclor 1016	ND	1.0		µg/L	1	12/30/2009 7:16:59 AM
Aroclor 1221	ND	1.0		µg/L	1	12/30/2009 7:16:59 AM
Aroclor 1232	ND	1.0		µg/L	1	12/30/2009 7:16:59 AM
Aroclor 1242	ND	1.0		µg/L	1	12/30/2009 7:16:59 AM
Aroclor 1248	ND	1.0		µg/L	1	12/30/2009 7:16:59 AM
Aroclor 1254	ND	1.0		µg/L	1	12/30/2009 7:16:59 AM
Aroclor 1260	ND	1.0		µg/L	1	12/30/2009 7:16:59 AM
Surr: Decachlorobiphenyl	52.0	23.9-124		%REC	1	12/30/2009 7:16:59 AM
Surr: Tetrachloro-m-xylene	57.2	28.1-139		%REC	1	12/30/2009 7:16:59 AM
EPA METHOD 8270C: PAHS						Analyst: JDC
Naphthalene	ND	0.50		µg/L	1	12/30/2009 12:03:14 PM
1-Methylnaphthalene	ND	0.50		µg/L	1	12/30/2009 12:03:14 PM
2-Methylnaphthalene	ND	0.50		µg/L	1	12/30/2009 12:03:14 PM
Benzo(a)pyrene	ND	0.50		µg/L	1	12/30/2009 12:03:14 PM
Surr: Benzo(e)pyrene	76.5	38-145		%REC	1	12/30/2009 12:03:14 PM
Surr: N-hexadecane	66.6	40-107		%REC	1	12/30/2009 12:03:14 PM

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Estimated value	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
	ND Not Detected at the Reporting Limit	RL Reporting Limit
	S Spike recovery outside accepted recovery limits	

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Hall Environmental Analysis Laboratory, Inc.

Date: 12-Jan-10

CLIENT:	Envirotech	Client Sample ID:	E. of Shop S. Side/ 52765
Lab Order:	0912475	Collection Date:	12/29/2009
Project:	Chaco Chemical Company	Date Received:	12/22/2009
Lab ID:	0912475-04	Matrix:	LEACHATE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8082: PCB'S						Analyst: SCC
Aroclor 1016	ND	1.0		µg/L	1	12/30/2009 8:04:40 AM
Aroclor 1221	ND	1.0		µg/L	1	12/30/2009 8:04:40 AM
Aroclor 1232	ND	1.0		µg/L	1	12/30/2009 8:04:40 AM
Aroclor 1242	ND	1.0		µg/L	1	12/30/2009 8:04:40 AM
Aroclor 1248	ND	1.0		µg/L	1	12/30/2009 8:04:40 AM
Aroclor 1254	ND	1.0		µg/L	1	12/30/2009 8:04:40 AM
Aroclor 1260	ND	1.0		µg/L	1	12/30/2009 8:04:40 AM
Surr: Decachlorobiphenyl	52.0	23.9-124		%REC	1	12/30/2009 8:04:40 AM
Surr: Tetrachloro-m-xylene	72.4	28.1-139		%REC	1	12/30/2009 8:04:40 AM
EPA METHOD 8270C: PAHS						Analyst: JDC
Naphthalene	ND	0.50		µg/L	1	12/30/2009 12:25:24 PM
1-Methylnaphthalene	ND	0.50		µg/L	1	12/30/2009 12:25:24 PM
2-Methylnaphthalene	ND	0.50		µg/L	1	12/30/2009 12:25:24 PM
Benzo(a)pyrene	ND	0.50		µg/L	1	12/30/2009 12:25:24 PM
Surr: Benzo(e)pyrene	70.0	38-145		%REC	1	12/30/2009 12:25:24 PM
Surr: N-hexadecane	65.0	40-107		%REC	1	12/30/2009 12:25:24 PM

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Estimated value	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
	ND Not Detected at the Reporting Limit	RL Reporting Limit
	S Spike recovery outside accepted recovery limits	

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

Date: 12-Jan-10

CLIENT: Envirotech
Lab Order: 0912475
Project: Chaco Chemical Company
Lab ID: 0912475-05

Client Sample ID: E. of Shop N. Side/ 52766
Collection Date: 12/29/2009
Date Received: 12/22/2009
Matrix: LEACHATE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8082: PCB'S						Analyst: SCC
Aroclor 1016	ND	1.0		µg/L	1	12/30/2009 8:51:59 AM
Aroclor 1221	ND	1.0		µg/L	1	12/30/2009 8:51:59 AM
Aroclor 1232	ND	1.0		µg/L	1	12/30/2009 8:51:59 AM
Aroclor 1242	ND	1.0		µg/L	1	12/30/2009 8:51:59 AM
Aroclor 1248	ND	1.0		µg/L	1	12/30/2009 8:51:59 AM
Aroclor 1254	ND	1.0		µg/L	1	12/30/2009 8:51:59 AM
Aroclor 1260	ND	1.0		µg/L	1	12/30/2009 8:51:59 AM
Surr: Decachlorobiphenyl	51.2	23.9-124		%REC	1	12/30/2009 8:51:59 AM
Surr: Tetrachloro-m-xylene	79.2	28.1-139		%REC	1	12/30/2009 8:51:59 AM
EPA METHOD 8270C: PAHS						Analyst: JDC
Naphthalene	ND	0.50		µg/L	1	12/30/2009 12:47:35 PM
1-Methylnaphthalene	ND	0.50		µg/L	1	12/30/2009 12:47:35 PM
2-Methylnaphthalene	ND	0.50		µg/L	1	12/30/2009 12:47:35 PM
Benzo(a)pyrene	ND	0.50		µg/L	1	12/30/2009 12:47:35 PM
Surr: Benzo(e)pyrene	61.3	38-145		%REC	1	12/30/2009 12:47:35 PM
Surr: N-hexadecane	62.0	40-107		%REC	1	12/30/2009 12:47:35 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 5 of 5

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Chaco Chemical Company

Work Order: 0912475

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
---------	--------	-------	-----	--------	---------	------	----------	-----------	------	----------	------

Method: EPA Method 8082: PCB's

Sample ID: MB-20996 MBLK Batch ID: 20996 Analysis Date: 12/30/2009 3:19:28 AM

Aroclor 1016	ND	µg/L	1.0
Aroclor 1221	ND	µg/L	1.0
Aroclor 1232	ND	µg/L	1.0
Aroclor 1242	ND	µg/L	1.0
Aroclor 1248	ND	µg/L	1.0
Aroclor 1254	ND	µg/L	1.0
Aroclor 1260	ND	µg/L	1.0

Sample ID: LCS-20996 LCS Batch ID: 20996 Analysis Date: 12/30/2009 4:06:57 AM

Aroclor 1016	4.788	µg/L	1.0	5	0	95.8	30.5	109
Aroclor 1260	5.272	µg/L	1.0	5	0	105	42.8	119

Sample ID: LCSD-20996 LCSD Batch ID: 20996 Analysis Date: 12/30/2009 4:54:23 AM

Aroclor 1016	4.806	µg/L	1.0	5	0	96.1	30.5	109	0.375	45.7
Aroclor 1260	5.174	µg/L	1.0	5	0	103	42.8	119	1.88	30

Method: EPA Method 8270C: PAHs

Sample ID: mb-20997 MBLK Batch ID: 20997 Analysis Date: 12/30/2009 9:28:05 AM

Naphthalene	ND	µg/L	0.50
1-Methylnaphthalene	ND	µg/L	0.50
2-Methylnaphthalene	ND	µg/L	0.50
Benzo(a)pyrene	ND	µg/L	0.50

Sample ID: lcs-20997 LCS Batch ID: 20997 Analysis Date: 12/30/2009 9:50:15 AM

Naphthalene	15.72	µg/L	0.50	20	0	78.6	33.9	106
1-Methylnaphthalene	14.94	µg/L	0.50	20	0	74.7	36.3	111
2-Methylnaphthalene	16.44	µg/L	0.50	20	0	82.2	36.5	105
Benzo(a)pyrene	16.14	µg/L	0.50	20	0	80.7	26.7	144

Sample ID: lcscd-20997 LCSD Batch ID: 20997 Analysis Date: 12/30/2009 10:12:23 AM

Naphthalene	14.36	µg/L	0.50	20	0	71.8	33.9	106	9.04	20
1-Methylnaphthalene	14.10	µg/L	0.50	20	0	70.5	36.3	111	5.79	20
2-Methylnaphthalene	14.62	µg/L	0.50	20	0	73.1	36.5	105	11.7	20
Benzo(a)pyrene	14.56	µg/L	0.50	20	0	72.8	26.7	144	10.3	20

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **ENVIROTECH**

Date Received:

12/22/2009

Work Order Number **0912475**

Received by: **TLS**

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name: Greyhound

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☒	No ☐	N/A ☐	
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☒	Yes ☐	No ☐	Number of preserved bottles checked for pH:
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☒	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☒	<2 >12 unless noted below.
Container/Temp Blank temperature?	1.2°	<6° C Acceptable If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Enviro-tech

Address: 5796 US Hwy 64

Farmington, NM 87401

Phone #: (505) 633-0615

email or Fax #: Christine Walters@enviro-tech.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

☐ Other _____

☐ EDD (Type) _____

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.2

Project Manager: Christine Walters

Sampler: Anthony Wiggins

HEAL No. 0912475

Container Type and #

Preservative Type

Sample Request ID

Date

Time

12/21/09 9:45

12/21/09 10:00

12/21/09 10:13

12/21/09 10:20

12/21/09 10:30

Barrel Storage / 52762

Chemical Storage / 52763

Drum / 52764

Canal / 52764

E of Shop / 52765

Side of Shop / 52765

E of Shop / 52766

Side of Shop / 52766

Relinquished by: Christine Walters

Time: 16:30

Date: 12/21/09

Relinquished by: _____

Time: _____

Date: _____

Turn-Around Time: _____

☒ Standard ☐ Rush

Project Name: Chaco Chemical Company

Project #: 09154-0001

Project Manager: Christine Walters

Sampler: Anthony Wiggins

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.2

Container Type and #

Preservative Type

Sample Request ID

Date

Time

12/21/09 9:45

12/21/09 10:00

12/21/09 10:13

12/21/09 10:20

12/21/09 10:30

Barrel Storage / 52762

Chemical Storage / 52763

Drum / 52764

Canal / 52764

E of Shop / 52765

Side of Shop / 52765

E of Shop / 52766

Side of Shop / 52766

Relinquished by: Christine Walters

Time: 16:30

Date: 12/21/09

Relinquished by: _____

Time: _____

Date: _____

Received by: [Signature]

Time: 9:30

Date: 12/22/09

Received by: [Signature]

Time: _____

Date: _____

Remarks: P.O. 14072 Cooper C.W., added

Temp-a-pyrene

* PCBs & PAHs to analysis.

80270

80270

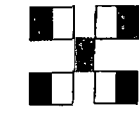
80270

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + TMBs (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCBs	8260B (VOA)	8270 (Semi-VOA)	See Attached List	Air Bubbles (Y or N)
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

SPLP per Christine, just high lighted name 12/23

5958

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com

Changes fixed at your request

09/02/09

1. Installed temporary rubber plugs in drainage system until we redesign our dock.
2. We have removed our drums from the ground and placed on the dock.

I apologize for the miscommunication and thank you for your help in this situation.

Thank you,

Anthony Wiggins

NOTE

RESPONSE LATE

HOWE

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Monday, August 10, 2009 10:47 AM
To: 'chacochemical@netzero.net'
Cc: Altomare, Mikal, EMNRD; Sanchez, Daniel J., EMNRD; Powell, Brandon, EMNRD
Subject: GW-348 Chaco Chemical Company Discharge plan Application

Mr. Anthony Wiggins,

Please clarify the final disposition of each waste stream at the Chaco Chemical Co. facility.

Example: Mr. Paul Wiggins noted the different final disposal of the empty barrels. Please submit information for such scenarios. Submit by **August 21, 2009**.

The OCD would like to advise Chaco Chemical Company to perform the following tasks:

1. The drainage system of the chemical storage area needs to be plugged **immediately** to prevent any more drainage of residual chemical spillage on to the ground. Inform the OCD how and when this was completed.
2. During the August 3, 2009 inspection it was noted that a few containers of used liquids (assumed oil) were placed in open top 5 gallon buckets directly on the ground. Remove these and such containers to an area with an impermeable pad. Such practices shall cease.

Chaco Chemical shall initiate work on the list below. This will be formally requested through the permit once submitted with a due date associated. This is a courtesy notice. All designs must be approved by the OCD prior to implementing.

Chaco Chemical Company shall:

1. redesign the drainage system for current chemical storage area as to prevent anymore discharges on to the ground.
2. engineer an impermeable pads for all containers/barrels stored onsite.

A complete list will be noted within the discharge permit once submitted. The soil sample protocol will be noted there.

If you have any questions please feel free to contact me.

llowe

Leonard Lowe

Environmental Engineer
Oil Conservation Division/EMNRD
1220 S. St. Francis Drive
Santa Fe, N.M. 87505
Office: 505-476-3492
Fax: 505-476-3462
E-mail: leonard.lowe@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Monday, June 29, 2009 8:49 AM
To: 'chacochemical@netzero.net'
Cc: Altomare, Mikal, EMNRD
Subject: Fees
Attachments: 2009 5-22ACO.enforcement.docx

Mr. Wiggins,

The fee for an Oil and Gas Service company, is \$1700 and will not be due until the permit is approved and sent for your signature.

ACO Fees:

Chaco Chemical Company was informed to submit ACO penalties of \$489,000 by June 12th, 2009 as stated within the May 22, 2009 letter sent from the Assistant General Counsel Mikal Altomare.

As of June 29th the OCD has still yet to receive these fees.

For more information please contact Ms. Mikal Altomare, Assistant General Counsel at 505-476-3480.

The May 22, 2009 letter is attached for your reference.

Thank you for your attention.

llowe

Leonard Lowe

Environmental Engineer
Oil Conservation Division/EMNRD
1220 S. St. Francis Drive
Santa Fe, N.M. 87505
Office: 505-476-3492
Fax: 505-476-3462
E-mail: leonard.lowe@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>

From: chacochemical@netzero.net [mailto:chacochemical@netzero.net]
Sent: Monday, June 29, 2009 8:29 AM
To: Lowe, Leonard, EMNRD
Subject: RE: Approved Public Notice

Can you tell me the amount due on the payment due to complete this application,

Thank You, Anthony

This inbound email has been scanned by the MessageLabs Email Security System.

**Public Notice
Noticia Publica**

Chaco Chemical LLC, CR. 5759 #20 Farmington, New Mexico, 87499 has submitted an application to the New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation for a new discharge plan permit (GW-348) for Chaco Chemicals oilfield service facility, located in the SW/4 of the SW/4 of section 20, Township 29-N, Range 12-W, NM. San Juan County, New Mexico, located at CR. 5759 #20, Farmington, New Mexico.

Chaco Chemical LLC, CR 5759 #20, Farmington, New Mexico, 87499, a entregado una solicitud al New Mexico Energy, Minerals and Natural Resources Nuevo de plan de descarga CG - 3482 para la planta de Chaco Chemicals Oilfield Service, Localizada en CR 5759 #20 Farmington, New Mexico.

The facility installs chemical tanks on location with chemical pumps, then we maintain them to our customers preference. We have chemical delivered to our yard where it is stored, then from there it is delivered to locations as needed and fill the chemical tanks and we also sell soap stick to those who need them. The Purpose to treating the well is to prevent corrosion build up, also H2S gas and Paraffin build up to keep production rates up. We recycle all our chemical products. All liquids utilized at the facility are stored dedicated above ground storage tanks prior to offsite disposal or recycling at an OCD approved, all storage tanks are within properly engineered and OCD approved secondary containments.

La planta instalara tanques de quimica en el lugar con bombas para quimicas, luego, les daremos mantenimiento al gusto del cliente. Tenemos quimicas que han sid entregadas en nuestra planta y permaneceran almacenadas, de ahi ser adas a los lugares que los soliciten y se ran depositados en tanques quimicos, tambien el proposito del tratamiento a los dozos en de prevenir enmojecimiento en lspaderes, bambien gases H2S y engrosa miento de parafina, para mantener un mayor mirgen de produccion. Nostros reciclamos todos utilizados en nuestra planta sol almacenados e LLC, CR 5759 #20, Farmington, New Mexico, 87499n tanques localizados a nivel de tierra, antes de reciclarlos o disponer de ellos de acuerdo a OCD. Todos nuestros tan ques se estan construidos de acuerdo y ap provados por OCD con contenedores se cunarios.

For more information contact: Anthony Wiggins at Chaco Chemical LLC, CR.5759 #20 Farmington, New Mexico, 87499 or call (505)320-2694 or (505)326-3050 Or in case of Emergency call, (800)424-9300 or (215)353-8300.

Para mayor informacion pregunte por; Anthony Wiggins a Chaco Chemical LLC, CR 5759 #20, Farmington, New Mexico, 87499, o llame a los telefonos (505)320-2694 o (505)326-3050. O en caso de emergencia (800) 424-9300 o (215) 353-8300.

The aquifer most likely to be affected by the accidental discharge is a depth of approximately 15 feet below ground surface with a total dissolved solids concentration of approximately 1,040mg/l.

En caso de una descarga accidental se podria afectar el manto aquifer a una profundidad de 15 pies con una concentracion total de 1.040 MG/ materiales sol lidos disueltos.

**Quality and Volume of discharge
Calidad Y Volumen de Descarga**

Approximate use for servicing trucks is 6 gallons of oil combined with antifreeze when being serviced. We have an estimated volume of 15 gallons of waste which is disposed of by Safety Kleen, Superintendent is Randy Woods (505)327-9070.

Uso aproximado para camiones de servicio es 6 galones de aceite combinado con anti-congelante cuando se les da servicio. Nostros tenemos un volumen aproximado de 15 galones de desecho del cual Safety se encarga de procesarlo, El Superintendente es Randy Woods (505)327-9070.

Any interested person or persons may obtain information; submit comments or request to be put on a facility-specific mailing list for future notices by contacting Leonard Lowe at the New Mexico Energy, Minerals and Natural Resources Department at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, Telephone (505)476-3492. They will accept comments and statements of interest regarding the renewal and will create a facility-specific mailing list for persons who wish to receive future notices.

Cualquier persona o personas interesadas en obtener mas informacion; hacer comentarios o decaer ser puesto en una lista de correos para futuras noticias sobre facilidades-especificas por favor escriba o llame a Leonard Lowe, New Mexico Energy, Minerals and Natural Resources Department, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 telefono (505)476-3492.

Ellos aceptaran comentarios y declaraciones de interes sobre la renovacion y crearan una lista de correo de personas interesadas en recibir informacion sobre futuras noticia acerca de facilidades-especificas.

Legal No. 61748 published in The Daily Times, Farmington, New Mexico, on Friday June 19, 26, July 3 & 10, 2009.

THE
DAILY TIMES
FARMINGTON, NEW MEXICO
THE FOUR CORNERS INFORMATION LEADER

PO Box 450 Farmington, NM 87499

Date: 07/10/09

OIL CONSERVATION DIVISION

OIL CONSERVATION DIVISIO
1220 SOUTH ST. FRANCIS DRIVE
SANTA FE, NM 87505
(505) 476-3440

Ad#	Publication	Class	Start	Stop	Times	AS/400 Acct
1001220949	FARMINGTO	0152 - Legal Notices	06/17/2009	06/17/2009	1	781442
1001220949	FARMINGTO	0152 - Legal Notices	06/17/2009	06/17/2009	1	781442
Total Cost:						\$208.52
Payment:						\$0.00
Balance Due:						\$208.52

TEXT:

NOTICE OF PUBLICATION STATE OF NEW MEXICO ENERGY, MINERALS AND NAT

Please include Ad number on your payment.

Name (Primary) : OIL CONSERVATION DIVISION
Company (Primary) : OIL CONSERVATION DIVISIO
Ad # : 1001220949
Width : 3
Depth : 92
Surface : 276.00
Ad Sales Rep. : 752 - Henderson Jackson
Class Code : 0152 - Legal Notices
Ad Type :
Account # : 1246387
Start Date : 06/17/09
Stop Date : 06/17/09
Rate : FMLEGGGOVT - FARMINGTON LEGAL GOVERNMENT NEW 6/15/09
Box Number : 0 - (None)
Ad Rated Cost : \$187.88
Extra : \$20.64
Total : \$208.52
Run Status : X

NOTICE OF PUBLICATIONSTATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES
DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations (20.6.2.3106 NMAC), the following discharge permit application(s) has been submitted to the Director of the New Mexico Oil Conservation Division ("NMOCD"), 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-348) Mr. Anthony Wiggins, President, Chaco Chemical Company LLC, P.O. Box 3526 Farmington NM 87413, has submitted a new discharge plan application for their Oil and Gas Service Company at CR 5759 # 20, Farmington NM, located in unit letter M of Section 20, Township 29 North, Range 12 West, NMPM, San Juan County. The facility stores chemical for down-hole assistant for the oil and natural gas industry. Approximately 1000 gallons of Catalyzed Hydrazine, 1000 gallons of corrosion inhibitor, 1000 gallons of Paraffin solvents and 15 gallons of a combined waste stream of used oil and antifreeze are generated and stored in on-site. Groundwater most likely to be affected by a spill, leak or accidental discharge is at a depth of approximately 15 feet, with a total dissolved solids concentration of approximately 1040 mg/L. All fluids are not to be intentionally discharged to the ground. If accidental discharge occurs immediate recovery/reclamation shall be implemented. Fluids, other than clean water, including dry chemicals, shall be stored within secondary containment and properly bermed. Waste shall be properly maintained and manifested. A copy of the discharge permit once renewed shall be on location at all times and made familiar to all facility personnel. Chaco Chemical Company is currently under an Administrative Compliance Order (NM-OC-2009-01) to bring them into compliance under the Water Quality Control Commission (WQCC) for the protection of groundwater.

The NMOCD has determined that the application is administratively complete and has prepared a draft permit. The NMOCD will accept comments and statements of interest regarding this application and will create a facility-specific mailing list for persons who wish to receive future notices. Persons interested in obtaining further information, submitting comments or requesting to be on a facility-specific mailing list for future notices may contact the Environmental Bureau Chief of the Oil Conservation Division at the address given above. The administrative completeness determination and draft permit may be viewed at the above address between

8:00 a.m. and 4:00 p.m., Monday through Friday, or may also be viewed at the NMOCD web site <http://www.emnrd.state.nm.us/oed/>. Persons interested in obtaining a copy of the application and draft permit may contact the NMOCD at the address given above. Prior to ruling on any proposed discharge permit or major modification, the Director shall allow a period of at least thirty (30) days after the date of publication of this notice, during which interested persons may submit comments or request that NMOCD hold a public hearing. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines that there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available, including all comments received. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit application and information submitted at the hearing.

Para obtener más información sobre esta solicitud en español, sírvase comunicarse por favor: New Mexico Energy, Minerals and Natural Resources Department (Depto. Del Energía, Minerales y Recursos Naturales de Nuevo México), Oil Conservation Division (Depto. Conservación Del Petróleo), 1220 South St. Francis Drive, Santa Fe, New Mexico (Contacto: Dorothy Phillips, 505-476-3461)

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 5th day of April 2009.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL Mark Fesmire, Director

Legal No. 61743 published in The Daily Times, Farmington, New Mexico on Wednesday, June 17, 2009.

THE
DAILY TIMES
FARMINGTON, NEW MEXICO
THE FOUR CORNERS INFORMATION LEADER

PO Box 450 Farmington, NM 87499

RECEIVED
2009 AUG 7 AM 9 39

Date: 06/16/09

CHACO CHEMICAL LLC
CR 5759 #20
FARMINGTON, NM 87499
(505) 326-3050

Ad#	Publication	Class	Start	Stop	Times	AS/400 Acct
1001221659	FARMINGTO	0152 - Legal Notices	06/19/2009	07/10/2009	1	
1001221659	FARMINGTO	0152 - Legal Notices	06/19/2009	07/10/2009	1	
Total Cost:						\$885.25
Payment:						\$0.00
Balance Due:						\$885.25

TEXT:

Public NoticeNoticia PublicaChaco Chemical LLC, CR. 5759 #20 Far

Please include Ad number on your payment.

Attention:

Leonard Lowe

THE SANTA FE
NEW MEXICAN
Founded 1849

RECEIVED

2009 JUN 12 AM 11 36

NM EMNRD OIL CONSERV
1220 S ST FRANCIS DR
SANTA FE NM 87505

ALTERNATE ACCOUNT: 56689
AD NUMBER: 00288840 ACCOUNT: 00002212
LEGAL NO: 87442 P.O. #: 52100000001375
378 LINES 1 TIME(S) 410.90
AFFIDAVIT: 7.00
TAX: 33.17
TOTAL: 451.07

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, V. Wright, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 87442 a copy of which is hereto attached was published in said newspaper 1 day(s) between 06/11/2009 and 06/11/2009 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 11st day of June, 2009 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

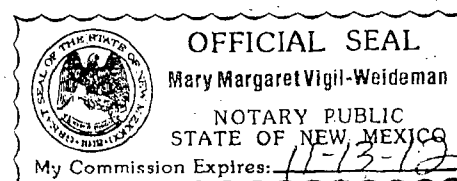
/s/ V. Wright

LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 11st day of June, 2009

Notary Mary Margaret Vigil-Weideman

Commission Expires: 11-13-2012



NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations (20.6.2.3106 NMAC), the following discharge permit application(s) has been submitted to the Director of the New Mexico Oil Conservation Division ("NMOCD"): 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505. Telephone (505) 476-3440.

Ms. Diane Kocis, Senior Environmental Specialist, DCP Midstream, 370 17th Street, Suite 2500, Denver, Colorado, 80202 has submitted a renewal application for the previously approved discharge plan for their:

(GW-015) Linam Ranch Gas Plant, located in the NE/4 of Section 5, Township 19 South, Range 37 East, NMPM, Lea County. The facility processes natural gas to remove condensate and sulfur. Approximately 550 bbls of waste water, 2000 bbls of produced water, and 1750 gallons of sulfuric acid are generated and stored in onsite. Groundwater most likely to be affected by a spill, leak or accidental discharge is at a depth of approximately 36 - 62 feet, with a total dissolved solids concentration of approximately 446 mg/L.
(GW-016) Eunice Gas Plant, located in the SE/4 SE/4 of Section 5, Township 21 South, Range 36 East, NMPM, Lea County. The facility processes natural gas to remove condensate and sulfur. Approximately 2500 bbls of slop oil, 2500 bbls of produced water, and 80 bbls of lube oil are generated and stored in onsite. Groundwater most likely to be affected by a spill, leak or accidental discharge is at a depth of approximately 72 - 88 feet, with a total dissolved solids concentration of approximately 480 mg/L.

feet, with a total dissolved solids concentration of approximately 707 - 4230 mg/L.

(GW-348) Mr. Anthony Wiggins, President, Chaco Chemical Company LLC, P.O. Box 3526 Farmington NM 87413, has submitted a new discharge plan application for their Oil and Gas Service Company at CR 5759 # 20, Farmington NM, located in unit letter M of Section 20, Township 29 North, Range 12 West, NMPM, San Juan County. The facility stores chemical for down-hole assistant for the oil and natural gas industry. Approximately 1000 gallons of Catalyzed Hydrazine, 1000 gallons of corrosion inhibitor, 1000 gallons of Paraffin solvents and 15 gallons of a combined waste stream of used oil and antifreeze are generated and stored in onsite. Groundwater most likely to be affected by a spill, leak or accidental discharge is at a depth of approximately 15 feet, with a total dissolved solids concentration of approximately 1040 mg/L. Chaco Chemical Company is currently under an Administrative Compliance Order (NM-OCd 2009-01) to bring them into compliance under the Water Quality Control Commission (WQCC) for the protection of groundwater.

All fluids are not to be intentionally discharged to the ground. If accidental discharge occurs immediate recovery/reclamation shall be implemented. Fluids, other than clean water, including dry chemicals, shall be stored within secondary containment and properly bermed. Waste shall be properly maintained and manifested. A copy of the discharge permit once renewed shall be on location at all times and made familiar to all facility personnel.

The NMOCD has determined that the application is administratively complete and has prepared a draft permit. The NMOCD will accept comments and statements of interest regarding this application and will create a

Mr. Randy Crawford, 7 Crawford Lane, Jal N.M., has submitted a new application for a discharge plan permit for their Oil and Gas Service Company at:

(GW-395) 2809 Pecos Road, Carlsbad, N.M., located in the Section 27, Township 22 South, Range 27 East, NMPM, Eddy County. The facility is an oilfield trucking company that provides the hauling of produced water for the oil and natural gas industry. Approximately 25 - 35 gallons/day of KCL are mixed, 500 gallons of paraffin, 110 of motor oil and 1200 bbls of oil field waste are generated and stored in onsite. Groundwater most likely to be affected by a spill, leak or accidental discharge is at a depth of approximately 90 - 110 feet, with a total dissolved solids concentration of approximately 420 mg/L.
(GW-396) 7 Crawford Lane, Jal N.M., located in the Section 31, Township 24 South, Range 37 East, NMPM, Lea County. The facility is an oilfield trucking company that provides the hauling of produced water for the oil and natural gas industry. Approximately 25 - 35 gallons/day of KCL are mixed, 500 gallons of paraffin, 110 of motor oil and 1200 bbls of oil field waste are generated and stored in onsite. Groundwater most likely to be affected by a spill, leak or accidental discharge is at a depth of approximately 72 - 80 feet, with a total dissolved solids concentration of approximately 1640 mg/L.

(GW-008) El Paso Natural Gas Company, 3300 North A Street, Building 2, Suite 200, Midland Texas 79705, has submitted a renewal application for the previously approved discharge plan for their Monument Compressor Station, located in the NW/4 of Section 1, Township 20 South, Range 36 East, NMPM, Lea County. The facility transports natural gas for customer demand. Approximately 27,000 gallons of used and new oil are generated and stored in onsite. Groundwater most likely to be affected by a spill, leak or accidental discharge is at a depth of approximately 40

facility-specific mailing list for persons who wish to receive future notices. Persons interested in obtaining further information, submitting comments or requesting to be on a facility-specific mailing list for future notices may contact the Environmental Bureau Chief of the Oil Conservation Division at the address given above. The administrative completeness determination and draft permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday, or may also be viewed at the NMOCD web site <http://www.emnrd.state.nm.us/ocd/>. Persons interested in obtaining a copy of the application and draft permit may contact the NMOCD at the address given above. Prior to ruling on any proposed discharge permit or major modification, the Director shall allow a period of at least thirty (30) days after the date of publication of this notice, during which interested persons may submit comments or request that NMOCD hold a public hearing. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines that there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available, including all comments received. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit application and information submitted at the hearing.

Para obtener más información sobre esta solicitud en español, sírvase comunicarse por favor: New Mexico Energy, Minerals and Natural Resources Department (Depto. Del Energia, Minerals y Recursos Naturales de Nuevo México), Oil Conservation Division (Depto. Conservación Del Petróleo), 1220 South St. Francis Drive, Santa Fe, New Mexico (Contacto: Dorothy Phillips, 505-476-3461)

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 5th day of April 2009.

STATE OF
NEW MEXICO
OIL CONSERVATION
DIVISION

S E A L
Mark Fesmire,
Director
Legal # 87442
Pub. June 11, 2009

Name (Primary) : CHACO CHEMICAL LLC
Company (Primary) :
Ad # : 1001221659
Width : 2
Depth : 151
Surface : 302.00
Ad Sales Rep. : 752 - Henderson Jackson
Class Code : 0152 - Legal Notices
Ad Type :
Account # : 1305195
Start Date : 06/19/09
Stop Date : 07/10/09
Rate : FMLEGREG - FARMINGTON LEGAL REGULAR
Box Number : 0 - (None)
Ad Rated Cost : \$813.34
Extra : \$71.91
Total : \$885.25
Run Status : I

Public Notice
Noticia Publica

Chaco Chemical LLC, CR. 5759 #20 Farmington, New Mexico, 87499 has submitted an application to the New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation for a new discharge plan permit (GW-348) for Chaco Chemicals oilfield service facility, located in the SW/4 of the SW/4 of section 20, Township 29-N, Range 12-W, NM. San Juan County, New Mexico, located at CR. 5759 #20, Farmington, New Mexico.

Chaco Chemical LLC, CR 5759 #20, Farmington, New Mexico, 87499, a entregado una solicitud al New Mexico Energy, Minerals and Natural Resources Nuevo de plan de descarga CG - 3482 para la planta de Chaco Chemicals Oilfield Service, Localizada en CR 5759 #20 Farmington, New Mexico.

The facility installs chemical tanks on location with chemical pumps, then we maintain them to our customers preference. We have chemical delivered to our yard where it is stored, then from there it is delivered to locations as needed and fill the chemical tanks and we also sell soap stick to those who need them. The Purpose to treating the well is to prevent corrosion build up, also H2S gas and Paraffin build up to keep production rates up. We recycle all our chemical products. All liquids utilized at the facility are stored dedicated above ground storage tanks prior to offsite disposal or recycling at an OCD approved, all storage tanks are within properly engineered and OCD approved secondary containments.

La planta instalara tanques de quimica en el lugar con bombas para quimicas, luego les daremos mantenimiento al gusto del cliente. Tenemos quimicas que han sid entregadas en nuestra planta y permaneceran almacenadas, de ahi seriadadas a los lugares que los soliciten y seran depositados en tanques quimicos, tambien el proposito del tratamiento a los

dozos en de prevenir enmojecimiento en
ispaderos, bambien gases H25 y engrosa-
miento de parafina, para mantener un
mayor mirgen de produccion. Nostros
reciclamos todos utilizados en nuestra
planta sol almacenados e LLC, CR 5759
#20, Farmington, New Mexico, 87499n
tanques localizados a nivel de tierra,
antes de reciclarlos o disponer de ellos
de acuerdo a OCD. Todos nuestros tan-
ques sestan contruidos de acuerdo y ap-
provados por OCD con contenedores se-
cunarios.

For more information contact: Anthony
Wiggins at Chaco Chemical LLC,
CR 5759 #20 Farmington, New Mexico,
87499 or call (505)320-2694 or (505)326-
3050 Or in case of Emergency call,
(800)424-9300 or (215)353-8300.

Para maior informacion pregunte por;
Anthony Wiggins a Chaco Chemical
LLC, CR 5759 #20, Farmington, New
Mexico, 87499, o llame a los telefonos
(505)320-2694 o (505)326-3050. O en caso
de emergencia (800) 424-9300 o (215) 353-
8300.

The aquifer most likely to be affected by
the accidental discharge is a depth of
approximately 15 feet below ground sur-
face with a total dissolved solids concen-
tration of approximately 1,040mg/l.

En caso de una descarga accidental se
podria afectar el manto aquifer a una
profundidad de 15 pies con una consen-
tracion total de 1.040 MG/ materials so-
lidos disueltos.

Quality and Volume of discharge
Calidad Y Volumen de Descarga

Approximate use for servicing trucks is
6 gallons of oil combined with antifreeze
when being serviced. We have an esti-
mated volume of 15 gallons of waste
which is disposed of by Safety Kleen, Su-
perintendent is Randy Woods (505)327-
9070.

Uso aproximado para camiones de ser-
vicio es 6 galones de aceite combinado
con ant-congelante cumdos se les da ser-
vicio. Nostros tenemos un volume ap-
proximado de 15 galones de desecho del
cual Safety se encarga de procesalo, El
Superintendente es Randy Woods
(505)327-9070.

Any interested person or persons my ob-
tain information; submit comments or
request to be put on a facility-specific
mailing list for future notices by contact-
ing Leonard Lowe at the New Mexico
Energy, Minerals and Natural Re-
sources Department at 1220 South St.
Francis Drive, Santa Fe, New Mexico
87505, Telephone (505)476-3492. They will
accept comments and statements of in-
terest regarding the renewal and will
create a facility-specific mailing list for
persons who wish to receive future no-
tices.

Cualquier persona o personas interesa-
das en obtener mas informacion; hacer
comentarios o decaer ser puesto en una
lista de correos para futuros noticias
sobre facilidades-especificas por favor
escriba o llame a Leonard Lowe, New
Mexico Energy, Minerals and Natural
Resources Department, 1220 South St.
Francis Drive, Santa Fe, New Mexico
87505 telefono (505)476-3492.

Ellos aceptaran comentarios y declara-
ciones de interes sobre la renovacion y
crearan una lista de correo de personas
interesadas en recibir informacion sobre
futuros noticia acerca de facilidades-
especificas.

Legal No. 61748 published in The Daily
Times, Farmington, New Mexico, on Fri-
days June 19, 26, July 3 & 10, 2009.

Attention:
Leonard Lowe



put in file for chem. Licenses + papers.

Design Werks

a division of
ATOMIC SIGNS
603 E. MAIN

REMIT PAYMENT TO: P.O. BOX 61
FARMINGTON, NM 87499
PHONE & FAX (505) 327-1552

3234

FIRM CHACO CHEMICAL

ADDRESS _____ PHONE _____

CITY _____ CELL 320-2694

STATE _____ ZIP _____ FAX _____

JOB NAME/LOCATION _____

WORK DESCRIPTION *SEE ATTACHED FOR COPY*

P.O. NO.	
DATE <u>6/17/09</u>	SALESMAN <u>M</u>
REQ. NO.	ORDERED BY <u>ANTHONY</u>
DATE PROMISED	DATE COMPLETED
QUANTITY <u>3</u>	
COLORS <u>BLACK/WHITE</u>	
MATERIAL	
SIZE	
TYPE	S/F D/F

QTY	DESCRIPTION	PRICE	AMOUNT
3	36"X24" CORPLAST PUBLIC NOTICE SIGNS - PRINTED BLACK/WHITE	75.00	225.00

BALANCE DUE ON RECEIPT. AFTER 30 DAYS INTEREST CHARGED AT THE RATE OF 2% PER MONTH OR 24% PER ANNUM

Christine Higgins
CUSTOMER'S SIGNATURE

☐ N.M. ☐ COLO. →
DATE _____

SUB-TOTAL	225.00
TAX FOR STATE CHECKED	15.75
TOTAL	240.75

CHK # 3612

7009 0820 0001 0311

LARRY YOWS
17 RD 5795
FARMINGTON NM 87401

7009 0820 0001 0311 9247

Juan Garcia
22 RD 5795
FARMINGTON NM 87401

7009 0820 0001 0311 9230

Bella Lucero
21 RD 5795
FARMINGTON NM 87401

7009 0820 0001 0311

Veronica Acosta
26 RD 5803
FARMINGTON NM 87401

7009 0820 0001 0311 9339

K. Manheimer
7 RD 5803
FARMINGTON NM 87401

7009 0820 0001 0311 9322

Arnold Vigil
16 RD 5803
FARMINGTON NM 87401

7009 0820 0001 0311 9281

Paul + Christine Wiagins
19 RD 5759
Farmington NM 87401

7009 0820 0001 0311 9292

Leonard Gomez
34 RD 5803
Farmington NM 87401

7009 0820 0001 0311 9308

Leonard Lopez
30 RD 5803
Farmington NM 87401

7009 0820 0001 0311 921

Elizabeth Acosta
24 RD 5795
Farmington NM 87401

7009 0820 0001 0311 9261

Joe Archuleta
2 RD 5803
Farmington NM 87401

7009 0820 0001 0311 9278

Pete Torrez
3 RD 5803
Farmington NM 87401

7009 0820 0001 0311 92

Garner Halbert
20 RD 5795
FARMINGTON NM 87401

7009 0820 0001 0311 9193

David Escojeda
7 RD-5795
FARMINGTON NM 87401

7009 0820 0001 0311 9568

Sambel Andrews
35 RD 5756
FARMINGTON NM 87401

7009 0820 0001 0311 96

Adela Nunez
6 RD 5795
FARMINGTON NM 87401

7009 0820 0001 0311 9209

Joan Gribble
10 RD 5795
FARMINGTON NM 87401

7009 0820 0001 0311 9575

Sam Foster
36 RD 5756
FARMINGTON NM 87401

7009 0820 0000 0311 91

OFFICIAL USE	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To **A & P Meadows**
 Street, Apt. No., or PO Box No. **1 RD. 5795**
 City, State, ZIP+4 **FARMINGTON NM 87401**

PS Form 3800, August 2005 See Reverse for Instructions

7009 0820 0000 0311 91

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To **D.L. Agesen**
 Street, Apt. No., or PO Box No. **32 RD. 5756**
 City, State, ZIP+4 **FARMINGTON NM 87401**

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7009 0820 0000 0311 91

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To **David Basset**
 Street, Apt. No., or PO Box No. **2 RD. 5756**
 City, State, ZIP+4 **FARMINGTON NM 87401**

PS Form 3800, August 2005 See Reverse for Instructions

7009 0820 0000 0311 91

OFFICIAL USE	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To **Denise Rowe**
 Street, Apt. No., or PO Box No. **37 RD. 5756**
 City, State, ZIP+4 **FARMINGTON NM 87401**

PS Form 3800, August 2005 See Reverse for Instructions

7009 0820 0000 0311 91

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For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To **Joel Molina**
 Street, Apt. No., or PO Box No. **4 RD. 5795**
 City, State, ZIP+4 **FARMINGTON NM 87401**

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7009 0820 0000 0311 91

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To **Angel Marquez**
 Street, Apt. No., or PO Box No. **33 RD. 5756**
 City, State, ZIP+4 **FARMINGTON NM 87401**

PS Form 3800, August 2005 See Reverse for Instructions

7009 0820 0001 0311 951

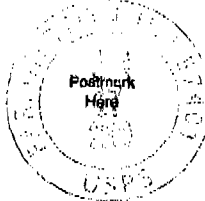
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To: Prisilliana Ornela
 Street, Apt. No., or PO Box No. 28 RD 5756
 City, State, ZIP+4 Farmington NM 87401

PS Form 3800, August 2005 See Reverse for Instructions



7009 0820 0001 0311 945

U.S. Postal Service™
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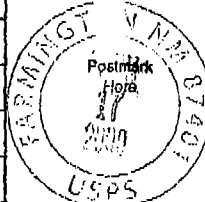
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To: Juris + Mary Odins
 Street, Apt. No., or PO Box No. 12 RD 5759
 City, State, ZIP+4 Farmington NM 87401

PS Form 3800, August 2005 See Reverse for Instructions



7009 0820 0001 0311 946

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Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To: Saul Yanzey
 Street, Apt. No., or PO Box No. 4 RD 5778
 City, State, ZIP+4 Farmington N.M. 87401

PS Form 3800, August 2005 See Reverse for Instructions



7009 0820 0001 0311 900

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Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To: Andrew Davis
 Street, Apt. No., or PO Box No. 9 RD 5756
 City, State, ZIP+4 Farmington NM 87401

PS Form 3800, August 2005 See Reverse for Instructions



7009 0820 0001 0311 900

U.S. Postal Service™
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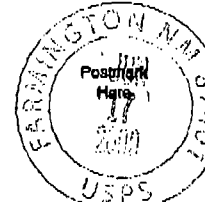
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To: Max Archuleta
 Street, Apt. No., or PO Box No. 31 RD 5756
 City, State, ZIP+4 Farmington NM 87401

PS Form 3800, August 2005 See Reverse for Instructions



7009 0820 0001 0311 900

U.S. Postal Service™
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Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To: Dick Sheets
 Street, Apt. No., or PO Box No. 18 RD 5759
 City, State, ZIP+4 Farmington NM 87401

PS Form 3800, August 2005 See Reverse for Instructions



46 TTEO T000 0290 6002

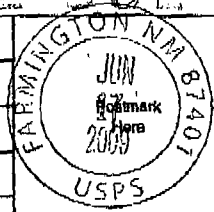
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent to **John Basset**
 Street, Apt. No.,
 or PO Box No. **17 RD 5778**
 City, State, ZIP+4 **Farmington NM 87401**

PS Form 3800, August 2006 See Reverse for Instructions



46 TTEO T000 0290 6002

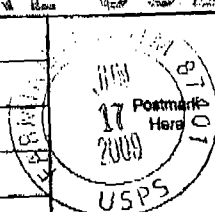
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent to **Estevan Montelongo**
 Street, Apt. No.,
 or PO Box No. **# 7 RD 5759**
 City, State, ZIP+4 **Farmington N.M. 87401**

PS Form 3800, August 2006 See Reverse for Instructions



5946 TTEO T000 0312 0820 6002

U.S. Postal Service™
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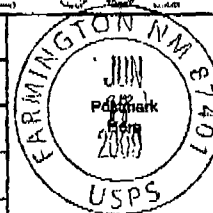
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent to **David John**
 Street, Apt. No.,
 or PO Box No. **9 RD 5778**
 City, State, ZIP+4 **Farmington NM 87401**

PS Form 3800, August 2006 See Reverse for Instructions



Attention: 

Leonard Lowe

✓ ①
Public Notice

Chaco Chemical LLC, CR. 5759 #20 Farmington, New Mexico, 87499, has submitted an application to the New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division for a new discharge plan permit (GW-348) for Chaco Chemicals oilfield service facility, located in the SW/4 of the SW/4 of section 20, Township 29-N, Range 12-W, NM. San Juan County, New Mexico, located at CR. 5759 #20, Farmington, New Mexico. ✓ ②

✓ ③
The facility installs chemical tanks on location with chemical pumps, then we maintain them to our customers preference. We have chemical delivered to our yard where it is stored, then from there it is delivered to locations as needed and fill the chemical tanks and we also sell soap stick to those who need them. The purpose to treating the well is to prevent corrosion build up, also H2S gas and Paraffin build up to keep production rates up. We recycle all our chemical products. All liquids utilized at the facility are stored dedicated above ground storage tanks prior to offsite disposal or recycling at an OCD approved, all storage tanks are within properly engineered and OCD approved secondary containments.

For more information contact: Anthony Wiggins at Chaco Chemical LLC, CR.5759 #20 Farmington, New Mexico,87499, or call (505)-320-2694 or (505)326-3050 Or in case of Emergency call, (800)424-9300 or (215)353-8300.

⑤ ✓
The aquifer most likely to be affected by the accidental discharge is a depth of approximately 15 feet below ground surface with a total dissolved solids concentration of approximately 1,040mg/l.

Quality and Volume of discharge

④ ✓
Approximate use for servicing trucks is 6 gallons of oil combined with antifreeze when being serviced. We have an estimated volume of 15 gallons of waste which is disposed of by Safety Kleen, Superintendent is Randy Woods (505)327-9070.

6 ✓
7 ✓
Any interested person or persons may obtain information; submit comments or request to be put on a facility-specific mailing list for future notices by contacting Leonard Lowe at the New Mexico at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3492. They will accept comments and statements of interest regarding the renewal and will create a facility-specific mailing list for persons who wish to receive future notices.

*Approved 06/05/09
for Publishing.*

Names and Addresses of Public Notice

Estevan Montelono – #7 road 5759, Farmington, NM. 87401

Juris & Mary Odins - #12 road 5759, Farmington, NM.87401

Dick Sheets _#18 road 5759, Farmington, NM.87401

Paul Wiggins - #19 road 5759, Farmington, NM. 87401

Saul Yanez -#4 road 5778, Farmington, NM. 87401

David John -#9 road 5778, Farmington, NM. 87401

John Basset -#17 road 5778, Farmington, NM. 87401

David Basset -#2 road 5756, Farmington, NM. 87401

Andrew Davis -#9 road 5756, Farmington, NM. 87401

Prisilliano Ornela -#28 road 5756, Farmington, NM. 87401

Max Archuleta -#31 road 5756, Farmington, NM. 87401

D.L. Aagesen -#33 road 5756, Farmington, NM. 87401

Angel Marquez -#33 road 5756, Farmington, NM. 87401

Samuel Andrew -#35 road 5756, Farmington, NM. 87401

Sam Foster -#36 road 5756, Farmington, NM 87401

Denise Rowe -#37 road 5756, Farmington, NM. 87401

A & P Meadows -#1 road 5795, Farmington, NM. 87401

Joel Molina -#4 road 5795, Farmington, NM.87401

Adela Nunez -#6 road 5795, Farmington, NM.87401

David Escojeda -#7 road 5795, Farmington, NM. 87401

Joan Gribble -#10 road 5795, Farmington, NM. 87401

Larry Yows -#17 road 5795, Farmington, NM.87401

Garner Halbert -#20 road 5795, Farmington, NM.87401

Bella Lucero -#21 road 5795, Farmington, NM. 87401

Juan Garcia -#22 road 5795, Farmington, NM. 87401

Elizabeth Acosta -#24 road 5795, Farmington, NM. 87401

Joe Archuleta -#2 road 5803, Farmington, NM. 87401

Pete Torrez -#3 road 5803, Farmington, NM. 87401

K. Manheimer -#7 road 5803, Farmington, NM. 87401

Arnold Vigil -#17 road 5803, Farmington, NM. 87401

Veronica Acosta -#26 road 5803, Farmington, NM. 87401

Leonard Lopez -#30 road 5803, Farmington, NM. 87401

Leonard Gomez -#34 road 5803, Farmington, NM. 87401

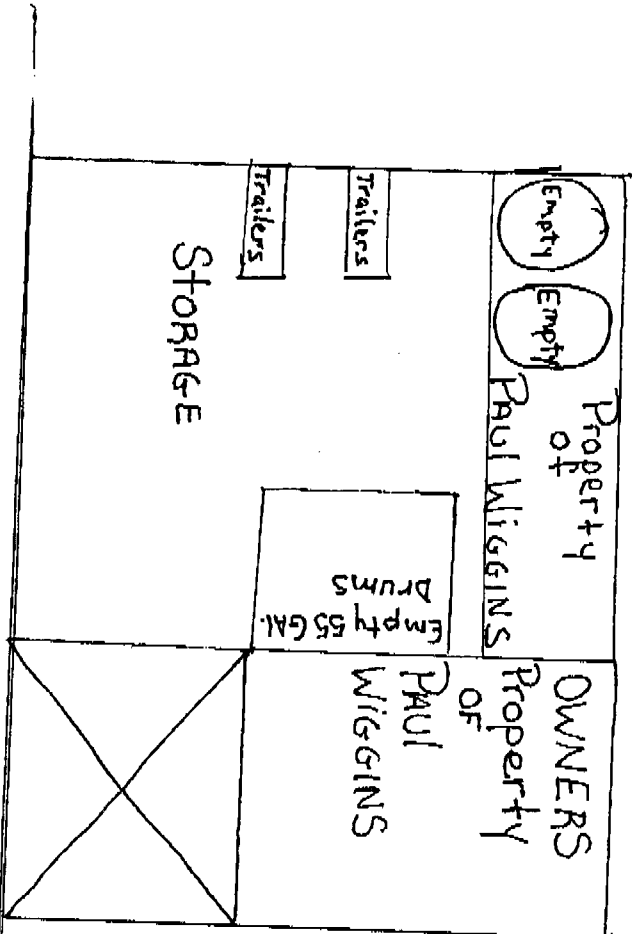
Brief Description of Operations

We install chemical tanks on location with chemical pumps, then we maintain them to our customers preference. We have chemical delivered to our yard where it is stored then from there it is delivered to locations as needed and fill the chemical tanks. We also sell soap sticks to those who need them.

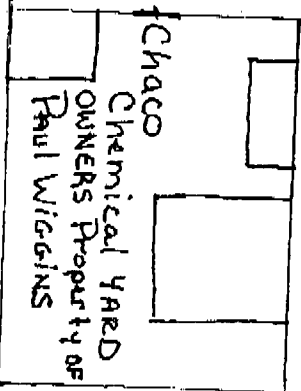
The purpose of treating the wells is to prevent corrosion build up and scale build up, also H₂S gas and Paraffin build up to keep production rates up. We recycle all of our chemical products.

We also do our own oil change on all our trucks and wash and clean all trucks with a bio-degradable soap.

STORAGE YARD



CR. 5759



TEG
ANTIFREEZE

TEG
ANTIFREEZE

TEG
ANTIFREEZE

S-993
Scavenger

P-560
Parriphin
Solvent

S-245
Scale
Inhibitor

Storage Diagram

5

WT 675
Corrosion
Inhibitor

WASTE
TANK

55
Gallon
Drums →

1849 Soap Foamer	422 Corrosion Inhibitor	422 Corrosion Inhibitor	820 Corrosion Inhibitor	D-600 Surfactant	2278 Scale Inhibitor
722 Cleaner Bio-Degradable	2416 Corrosion Inh.	1850 Surfactant	820 Corrosion Inhibitor	D-600 Surfactant	2278 Scale Inh.
722 Cleaner Bio-Degradable	2416 Corrosion Inh.	1850 Surfactant	820 Corrosion Inh.	D-600 Surfactant	2278 Scale Inh.
722 Cleaner Bio-Degradable	2416 Corrosion Inh.	1850 Surfactant	1001 Scavenger H ₂ S	1449 Corrosion Inhibitor	2571 Paraffin Inhibitor
1845 Surfactant	1849 Foamer	1875 Corrosion Inh.	1001 Scavenger H ₂ S	1449 Corrosion Inh.	2571 Paraffin Inhibitor
1845 Surfactant	1849 Foamer	1875 Corrosion Inh.	1001 Scavenger H ₂ S	1449 Corrosion Inh.	2571 Paraffin Inhibitor

FIRE
Extinguisher

Approximate Volume of Chemical

300 Gallons - Antifreeze
 250 Gallons - S-993(scavenger)
 250 Gallons - P-560(Paraffin Solvent)
 250 Gallons - S-245(Scale Inhibitor)
 250 Gallons - WT-675(Corrosion Inhibitor)
 165 Gallons - 1849(Foamer)
 165 Gallons - 722(Bio-Degradable Cleaner)
 110 Gallons - 1895(Surfactant)
 110 Gallons - 422(Corrosion Inhibitor)
 165 Gallons - 2416(Corrosion Inhibitor)
 165 Gallons - 1850(Surfactant)
 110 Gallons - 1875(Corrosion Inhibitor)
 165 Gallons - 820(Corrosion Inhibitor)
 165 Gallons - 1001(Scavenger H2S)
 165 Gallons - D-600(Surfactant)
 165 Gallons - 1449(Corrosion Inhibitor)
 165 Gallons - 2278(Scale Inhibitor)
 165 Gallons - 2571 (Paraffin Inhibitor)

Approximate Volume of Waste

Approximate use for servicing Chaco Chemical trucks is 6 gallons of oil when we have to service them, Our oil also contains antifreeze combined in it. Safety Kleen comes and drains our waste containment tank and disposes of all our waste. Randy Woods is the superintendent Of Safety Kleen.

6962

ANALYSIS / PARAMETERS																																							
Project Name / Location: OCD Water Well / CR 9759 #19		Sample Name: Chaco Chemical										Client No.: 09055-0001																											
Client Address (Anthony) Fax 326-3927		Sample Date 5/1/09		Sample Time 1030		Lab No. 49897		Sample Matrix Soil Solid		No./Volume of Containers 1-250L		Preservative None		TPH (Method 8015)		BTX (Method 8021)		VOC (Method 8260)		PCRA 8 Metals		Cation / Anion		RCI		TCLP with H/P		PAH		TPH (418.1)		CHLORIDE		TDS		Sample Cool		Sample Intact	
Client Phone No.: 505-320-2694		Water well						Sludge Aqueous																															
Relinquished by: (Signature)		5-1-09 10:30		Received by: (Signature)		5-1-09 10:30		Received by: (Signature)																															
Relinquished by: (Signature)																																							
Relinquished by: (Signature)																																							

ENVIROTECH INC.

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615



Water Analysis

Client:	Chaco Chemical	Project #:	09055-0001
Sample ID:	Water Well	Date Reported:	05-05-09
Laboratory Number:	49897	Date Sampled:	05-01-09
Sample Matrix:	Aqueous	Date Received:	05-01-09
Preservative:	Cool	Date Analyzed:	05-01-09
Condition:	Intact	Chain of Custody:	6962

Parameter	Analytical Result	Units
Total Dissolved Solids @ 180C	1,040	mg/L

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Water Well CR 5759 #19.**

Analyst

Review

Chaco Chemical Company received Discharge Plan request letter on December 12, 2008.

In 45 days

The Discharge Plan application is due in the OCD office on

January 26, 2009

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits.		A. Signature <i>CHRISTINE WIGGINS</i> ☐ Agent ☒ Addressee B. Received by (Printed Name) <i>Christine Wiggins</i> C. Date of Delivery <i>12/12/08</i> D. Is delivery address different from item 1? ☐ Yes ☒ No If YES, enter delivery address below:	
1. Article Addressed to: Mr. Anthony Wiggins P.O. Box 3526 Farmington, NM 87499		3. Service Type ☒ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.	
2. Article Number (Transfer from service label) 7002 0510 0003 5125 2829		4. Restricted Delivery? (Extra Fee) ☐ Yes	

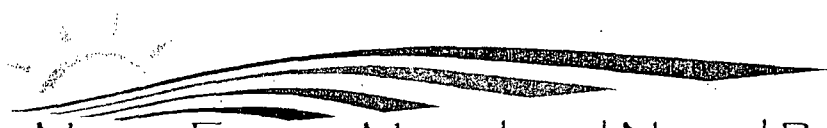
PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1035

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

2008 DEC 16 PM 12 31
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DRIVE
SANTA FE, NEW MEXICO 87505



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson

Governor
Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



December 9, 2008

Certified Mail: 700205100003512528

Mr. Anthony Wiggins
P.O. Box 3526
Farmington N.M. 87499

Re: Discharge Plan Submittal Request (Designated **GW-348**)
Chaco Chemical Company
20 County Road # 5759, Farmington N.M.
Farmington New Mexico, San Juan County

Dear Mr. Wiggins:

The New Mexico Oil Conservation Division Environmental Bureau performed an inspection of the above stated facility on November 20, 2008. The inspection concluded that per WQCC rules and regulations this company is classified as an Oil and Gas Service Company. Due to this facilities proximity to the San Juan River, location to residence and amount of chemicals on site that Chaco Chemical Company must submit an application for a discharge plan permit. All items required for initiating this process are attached to this letter and they are:

1. **Discharge Plan Application for Service Companies, Gas Plants, Refineries, Compressors, Geothermal Facilities and crude oil pump stations:** this is the cover sheet of your application. Fill in all blanks and attach information 1 – 13. Make sure you signed the bottom of this sheet.
2. **Guidelines for the preparation of discharge plans at oil field service facilities (revised 12-95):** this is the guidelines for defining the 1 – 13 points identified in the application cover.
3. **Notice Requirements for New Discharge Permits and Modifications:** this is a section of the WQCC requirements for public notices. All red text pertains to your facility and requirements. The entire WQCC regulation can be found on our website at this address (http://www.emnrd.state.nm.us/ocd/documents/NMAC_20_6_2-1.pdf).
4. **Example of Applicant Public Notice:** this is an example of an applicant public notice. The applicant fills in all areas in yellow as it pertains to the applicant's facility. *The OCD must approve this notice prior to publication.* The applicant may submit this along with the discharge plan application.
5. **WQCC Public Notice and Permitting Flowchart:** this is a visual flow chart on this entire process. Please refer to it for milestones in this application process.

The OCD identified a discharge plan number for this facility as GW-348; please annotate this to all documentation submitted to the OCD pertaining to this facilities discharge plan application.

Oil Conservation Division * 1220 South St. Francis Drive
* Santa Fe, New Mexico 87505

* Phone: (505) 476-3440 * Fax (505) 476-3462 * <http://www.emnrd.state.nm.us>



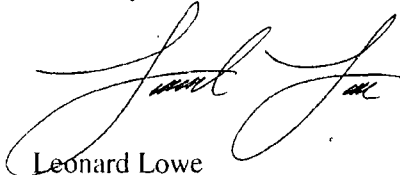
December 9, 2008

Page 2

The OCD Environmental Bureau is obligated by the New Mexico Water Quality Control Commission to protect the ground waters of the state of New Mexico. The OCD performs this task via a Discharge Plan Permit. Please submit the discharge plan application to the OCD within **45 days** of receipt of this letter. Along with your application a \$100.00 filing fee shall be submitted and payable to the New Mexico Water Quality Management Fund.

If you have any questions pertaining to this process please call me at (505) 476-3492 or e-mail me at leonard.lowe@state.nm.us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Leonard Lowe', with a stylized flourish at the end.

Leonard Lowe
Environmental Engineer
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
Office 505-476-3492

xc: Brandon Powell, Environmental Specialist, OCD Aztec
Daniel Sanchez, Enforcement and Compliance Manager, OCD Santa Fe

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Tuesday, November 25, 2008 4:51 PM
To: 'chacochemical@netzero.com'
Cc: Powell, Brandon, EMNRD; Price, Wayne, EMNRD; Sanchez, Daniel J., EMNRD
Subject: GW-348, Chaco Chemical Company Discharge Permit request
Attachments: DP Application.pdf; DP Guide Oilfield.Service.pdf; New & Mod PN Flow Chart.pdf; New & Mod WQCC PN Rules.pdf

Mr. Anthon Wiggins
President, Chaco Chemical Company, Farmington N.M.

Good afternoon,

Thank you for allowing the OCD to inspection your facility on Thursday, November 20th, 2008.

In doing so we ask that Chaco Chemical Company apply for a discharge Plan permit for their facility in Farmington.

I have attached the information needed for Chaco Chemical to apply for a permit. The OCD has identified Chaco's permit as GW-348. Please reference that number on all documentation in reference to your permit submitted to the OCD.

If you have any questions please feel free to contact me.

Thank you again.

llowe

Leonard Lowe
Environmental Engineer
Oil Conservation Division/EMNRD
1220 S. St. Francis Drive
Santa Fe, N.M. 87505
Office: 505-476-3492
Fax: 505-476-3462
E-mail: leonard.lowe@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>