

SPARTON

SPARTON TECHNOLOGY

July 22, 1996

Mr. Robert Pine
Hydrologist
Ground Water Quality Bureau
New Mexico Environment Department
1190 St. Francis Dr.
Santa Fe, New Mexico 87503



Re: STI-NMED/GWQB Vapor Probe Split Sampling Results 2nd Quarter 1996

Dear Mr. Pine:

Enclosed is one copy of AEN Lab Report No. 606346 with Sparton's analytical results for Vapor Probe #1 split sampling conducted on 6/25/96.

Sparton Technology, Inc. requests copies of your analytical results for this split sampling event when they become available.

If you have any questions please contact John Wakefield or me at (505) 892-5300. Thank you for your attention to this matter.

Sincerely,
SPARTON TECHNOLOGY, INC.

R.D. Mico

Richard D. Mico
Vice President and General Manager

cc: Mr. J. Appel (wo. lab rpts.)
Mr. J. Wakefield

*Enclosure
not
Found*

OGC-000494

GWB-00679-SPARTON

American Environmental Network, Inc.

AEN I.D. 606346

July 2, 1996

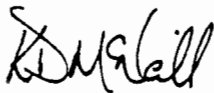
Sparton Technology, Inc.
9621 Coors Rd. NW
Albuquerque, NM 87114

Project Name/Number: SOIL GAS VP-1 2Q96-SVP

Attention: John Wakefield

On 06/25/96, American Environmental Network (NM), Inc., (ADHS License No. AZ0015) received a request to analyze air samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



Kimberly D. McNeill
Project Manager



H. Mitchell Rubenstein, Ph.D.
General Manager

MR:ft

Enclosure

GWB-00678-SPARTON

OGC-001996

American Environmental Network, Inc.

CLIENT : SPARTON TECHNOLOGY, INC. DATE RECEIVED : 06/25/96
PROJECT # : 2Q96-SVP
PROJECT NAME : SOIL GAS VP-1 REPORT DATE : 07/02/96

AEN ID: 606346

AEN #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	VP-1 ZONE 6, 270	AIR	06/25/96
02	VP-1 ZONE 5, 247	AIR	06/25/96
03	VP-1 ZONE 4, 568	AIR	06/25/96
04	VP-1 ZONE 3, 700	AIR	06/25/96
05	VP-1 ZONE 2, 694	AIR	06/25/96
06	VP-1 ZONE 1, 375	AIR	06/25/96

PID Readings.
1ppm TCE

---TOTALS---

MATRIX	#SAMPLES
AIR	6

OGC-001997

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AEN STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

GAS CHROMATOGRAPHY RESULTS

American Environmental Network, Inc.

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 8010/8020)
 CLIENT : SPARTON TECHNOLOGY, INC. AEN I.D.: 606346
 PROJECT # : 2Q96-SVP
 PROJECT NAME : SOIL GAS VP-1

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	VP-1 ZONE 6,270	AIR	06/25/96	NA	06/25/96	100
02	VP-1 ZONE 5,247	AIR	06/25/96	NA	06/25/96	500
PARAMETER			UNITS	01	02	
BENZENE			MG/M ³	<5.0	62	
BROMODICHLOROMETHANE			MG/M ³	<2.0	<10	
BROMOFORM			MG/M ³	<5.0	<25	
BROMOMETHANE			MG/M ³	<10	<50	
CARBON TETRACHLORIDE			MG/M ³	<2.0	<10	
CHLOROBENZENE			MG/M ³	<5.0	<25	
CHLOROETHANE			MG/M ³	<5.0	<25	
CHLOROFORM			MG/M ³	<5.0	<25	
CHLOROMETHANE			MG/M ³	<10	<50	
DIBROMOCHLOROMETHANE			MG/M ³	<2.0	<10	
1,2-DIBROMOETHANE (EDB)			MG/M ³	<2.0	<10	
1,2-DICHLOROBENZENE			MG/M ³	<5.0	<25	
1,3-DICHLOROBENZENE			MG/M ³	<5.0	<25	
1,4-DICHLOROBENZENE			MG/M ³	<5.0	<25	
1,1-DICHLOROETHANE			MG/M ³	21	<15	
1,2-DICHLOROETHANE (EDC)			MG/M ³	<5.0	<25	
1,1-DICHLOROETHENE			MG/M ³	460 D(500)	360	
CIS-1,2-DICHLOROETHENE			MG/M ³	<2.0	<10	
TRANS-1,2-DICHLOROETHENE			MG/M ³	<10	<50	
1,2-DICHLOROPROPANE			MG/M ³	<2.0	<10	
CIS-1,3-DICHLOROPROPENE			MG/M ³	<2.0	<10	
TRANS-1,3-DICHLOROPROPENE			MG/M ³	6.7	<10	
ETHYLBENZENE			MG/M ³	<5.0	<25	
METHYL-t-BUTYL ETHER			MG/M ³	<25	<130	
METHYLENE CHLORIDE			MG/M ³	<20	<100	
1,1,2,2-TETRACHLOROETHANE			MG/M ³	<5.0	<25	
TETRACHLOROETHENE			MG/M ³	160 D(500)	120	
TOLUENE			MG/M ³	6.4	70	
1,1,1-TRICHLOROETHANE			MG/M ³	3300 D(2000)	3100 D(2000)	
1,1,2-TRICHLOROETHANE			MG/M ³	<2.0	<10	
TRICHLOROETHENE			MG/M ³	8700 D(2000)	8200 D(2000)	
TRICHLOROFLUOROMETHANE			MG/M ³	<2.0	<10	
VINYL CHLORIDE			MG/M ³	<5.0	<25	
TOTAL XYLENES			MG/M ³	<5.0	<25	

SURROGATES:

BROMOCHLOROMETHANE (%)	102	100
TRIFLUOROTOLUENE (%)	98	100

D(500)=DILUTED 500X, ANALYZED 06/27/96
 D(2000)=DILUTED 2000X, ANALYZED 06/26/96

GWB-00676-SPARTON

GAS CHROMATOGRAPHY RESULTS

American Environmental Network, Inc.

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 8010/8020)

CLIENT : SPARTON TECHNOLOGY, INC. AEN I.D.: 606346

PROJECT # : 2Q96-SVP

PROJECT NAME : SOIL GAS VP-1

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
03	VP-1 ZONE 4,568	AIR	06/25/96	NA	06/25/96	500
04	VP-1 ZONE 3,700	AIR	06/25/96	NA	06/25/96	500
PARAMETER			UNITS	03	04	
BENZENE			MG/M ³	<25	<25	
BROMODICHLOROMETHANE			MG/M ³	<10	<10	
BROMOFORM			MG/M ³	<25	<25	
BROMOMETHANE			MG/M ³	<50	<50	
CARBON TETRACHLORIDE			MG/M ³	<10	<10	
CHLOROBENZENE			MG/M ³	<25	<25	
CHLOROETHANE			MG/M ³	<25	<25	
CHLOROFORM			MG/M ³	<25	<25	
CHLOROMETHANE			MG/M ³	<50	<50	
DIBROMOCHLOROMETHANE			MG/M ³	<10	<10	
1,2-DIBROMOETHANE (EDB)			MG/M ³	<10	<10	
1,2-DICHLOROBENZENE			MG/M ³	<25	<25	
1,3-DICHLOROBENZENE			MG/M ³	<25	<25	
1,4-DICHLOROBENZENE			MG/M ³	<25	<25	
1,1-DICHLOROETHANE			MG/M ³	<15	<15	
1,2-DICHLOROETHANE (EDC)			MG/M ³	<25	<25	
1,1-DICHLOROETHENE			MG/M ³	340	230	
CIS-1,2-DICHLOROETHENE			MG/M ³	<10	<10	
TRANS-1,2-DICHLOROETHENE			MG/M ³	<50	<50	
1,2-DICHLOROPROPANE			MG/M ³	<10	<10	
CIS-1,3-DICHLOROPROPENE			MG/M ³	<10	<10	
TRANS-1,3-DICHLOROPROPENE			MG/M ³	<10	32	
ETHYLBENZENE			MG/M ³	100	220	
METHYL-t-BUTYL ETHER			MG/M ³	<130	<130	
METHYLENE CHLORIDE			MG/M ³	<100	<100	
1,1,2,2-TETRACHLOROETHANE			MG/M ³	<25	<25	
TETRACHLOROETHENE			MG/M ³	310	320	
TOLUENE			MG/M ³	110	4600	
1,1,1-TRICHLOROETHANE			MG/M ³	6300 D(2000) E	6500 D(2000) E	
1,1,2-TRICHLOROETHANE			MG/M ³	<10	<10	
TRICHLOROETHENE			MG/M ³	22000 D(2000) E	24000 D(2000) E	
TRICHLOROFLUOROMETHANE			MG/M ³	<10	<10	
VINYL CHLORIDE			MG/M ³	<25	<25	
TOTAL XYLENES			MG/M ³	140	610	

SURROGATES:

BROMOCHLOROMETHANE (%)	114	103
TRIFLUOROTOLUENE (%)	98	95

D(2000)=DILUTED 2000X, ANALYZED 06/26/96

*E = ESTIMATED VALUE, OVERRANGE FOR INSTRUMENTATION

GWB-00675-SPARTON

GAS CHROMATOGRAPHY RESULTS

American Environmental Network, Inc.
 TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 8010/8020)
 CLIENT : SPARTON TECHNOLOGY, INC. AEN I.D.: 606346
 PROJECT # : 2Q96-SVP
 PROJECT NAME : SOIL GAS VP-1

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
05	VP-1 ZONE 2,694	AIR	06/25/96	NA	06/27/96	500
06	VP-1 ZONE 1,375	AIR	06/25/96	NA	06/27/96	500
PARAMETER			UNITS	05	06	
BENZENE			MG/M ³	<25	<25	
BROMODICHLOROMETHANE			MG/M ³	<10	<10	
BROMOFORM			MG/M ³	<25	<25	
BROMOMETHANE			MG/M ³	<50	<50	
CARBON TETRACHLORIDE			MG/M ³	<10	<10	
CHLOROBENZENE			MG/M ³	<25	<25	
CHLOROETHANE			MG/M ³	<25	<25	
CHLOROFORM			MG/M ³	<25	<25	
CHLOROMETHANE			MG/M ³	<50	<50	
DIBROMOCHLOROMETHANE			MG/M ³	<10	<10	
1,2-DIBROMOETHANE (EDB)			MG/M ³	<10	<10	
1,2-DICHLOROBENZENE			MG/M ³	<25	<25	
1,3-DICHLOROBENZENE			MG/M ³	<25	<25	
1,4-DICHLOROBENZENE			MG/M ³	<25	<25	
1,1-DICHLOROETHANE			MG/M ³	<15	<15	
1,2-DICHLOROETHANE (EDC)			MG/M ³	<25	<25	
1,1-DICHLOROETHENE			MG/M ³	200	150	
CIS-1,2-DICHLOROETHENE			MG/M ³	<10	<10	
TRANS-1,2-DICHLOROETHENE			MG/M ³	<50	<50	
1,2-DICHLOROPROPANE			MG/M ³	<10	<10	
CIS-1,3-DICHLOROPROPENE			MG/M ³	<10	<10	
TRANS-1,3-DICHLOROPROPENE			MG/M ³	<10	30	
ETHYLBENZENE			MG/M ³	220	260	
METHYL-t-BUTYL ETHER			MG/M ³	<130	<130	
METHYLENE CHLORIDE			MG/M ³	<100	<100	
1,1,2,2-TETRACHLOROETHANE			MG/M ³	<25	<25	
TETRACHLOROETHENE			MG/M ³	300	290	
TOLUENE			MG/M ³	6800	1500	
1,1,1-TRICHLOROETHANE			MG/M ³	5800 D(2000) E	4800 D(2000) E	
1,1,2-TRICHLOROETHANE			MG/M ³	<10	<10	
TRICHLOROETHENE			MG/M ³	21000 D(2000) E	18000 D(2000) E	
TRICHLOROFLUOROMETHANE			MG/M ³	<10	<10	
VINYL CHLORIDE			MG/M ³	<25	<25	
TOTAL XYLENES			MG/M ³	710	350	

SURROGATES:

BROMOCHLOROMETHANE (%)	106	102
TRIFLUOROTOLUENE (%)	100	100

D(2000)=DILUTED 2000X, ANALYZED 06/26/96

*E = ESTIMATED VALUE, OVERRANGE FOR INSTRUMENTATION

GWB-00674-SPARTON

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010/8020	AEN I.D.	: 606346
BLANK I.D.	: 062596	MATRIX	: AIR
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q96-SVP	DATE ANALYZED	: 06/25/96
PROJECT NAME	: SOIL GAS VP-1	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	MG/M ³	<0.05
BROMODICHLOROMETHANE	MG/M ³	<0.02
BROMOFORM	MG/M ³	<0.05
BROMOMETHANE	MG/M ³	<0.10
CARBON TETRACHLORIDE	MG/M ³	<0.02
CHLOROBENZENE	MG/M ³	<0.05
CHLOROETHANE	MG/M ³	<0.05
CHLOROFORM	MG/M ³	<0.05
CHLOROMETHANE	MG/M ³	<0.10
DIBROMOCHLOROMETHANE	MG/M ³	<0.02
1,2-DIBROMOETHANE (EDB)	MG/M ³	<0.02
1,2-DICHLOROBENZENE	MG/M ³	<0.05
1,3-DICHLOROBENZENE	MG/M ³	<0.05
1,4-DICHLOROBENZENE	MG/M ³	<0.05
1,1-DICHLOROETHANE	MG/M ³	<0.03
1,2-DICHLOROETHANE (EDC)	MG/M ³	<0.05
1,1-DICHLOROETHENE	MG/M ³	<0.02
CIS-1,2-DICHLOROETHENE	MG/M ³	<0.02
TRANS-1,2-DICHLOROETHENE	MG/M ³	<0.10
1,2-DICHLOROPROPANE	MG/M ³	<0.02
CIS-1,3-DICHLOROPROPENE	MG/M ³	<0.02
TRANS-1,3-DICHLOROPROPENE	MG/M ³	<0.02
ETHYLBENZENE	MG/M ³	<0.05
METHYL-t-BUTYL ETHER	MG/M ³	<0.25
METHYLENE CHLORIDE	MG/M ³	<0.20
1,1,2,2-TETRACHLOROETHANE	MG/M ³	<0.05
TETRACHLOROETHENE	MG/M ³	<0.05
TOLUENE	MG/M ³	<0.05
1,1,1-TRICHLOROETHANE	MG/M ³	<0.10
1,1,2-TRICHLOROETHANE	MG/M ³	<0.02
TRICHLOROETHENE	MG/M ³	<0.03
TRICHLOROFLUOROMETHANE	MG/M ³	<0.02
VINYL CHLORIDE	MG/M ³	<0.05
TOTAL XYLENES	MG/M ³	<0.05

SURROGATES:

BROMOCHLOROMETHANE (%)
TRIFLUOROTOLUENE (%)

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106 3WB-00673-SPARTON

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010/8020	AEN I.D.	: 606346
BLANK I.D.	: 062696	MATRIX	: AIR
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q96-SVP	DATE ANALYZED	: 06/26/96
PROJECT NAME	: SOIL GAS VP-1	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	MG/M ³	<0.05
BROMODICHLOROMETHANE	MG/M ³	<0.02
BROMOFORM	MG/M ³	<0.05
BROMOMETHANE	MG/M ³	<0.10
CARBON TETRACHLORIDE	MG/M ³	<0.02
CHLOROBENZENE	MG/M ³	<0.05
CHLOROETHANE	MG/M ³	<0.05
CHLOROFORM	MG/M ³	<0.05
CHLOROMETHANE	MG/M ³	<0.10
DIBROMOCHLOROMETHANE	MG/M ³	<0.02
1,2-DIBROMOETHANE (EDB)	MG/M ³	<0.02
1,2-DICHLOROBENZENE	MG/M ³	<0.05
1,3-DICHLOROBENZENE	MG/M ³	<0.05
1,4-DICHLOROBENZENE	MG/M ³	<0.05
1,1-DICHLOROETHANE	MG/M ³	<0.03
1,2-DICHLOROETHANE (EDC)	MG/M ³	<0.05
1,1-DICHLOROETHENE	MG/M ³	<0.02
CIS-1,2-DICHLOROETHENE	MG/M ³	<0.02
TRANS-1,2-DICHLOROETHENE	MG/M ³	<0.10
1,2-DICHLOROPROPANE	MG/M ³	<0.02
CIS-1,3-DICHLOROPROPENE	MG/M ³	<0.02
TRANS-1,3-DICHLOROPROPENE	MG/M ³	<0.02
ETHYLBENZENE	MG/M ³	<0.05
METHYL-t-BUTYL ETHER	MG/M ³	<0.25
METHYLENE CHLORIDE	MG/M ³	<0.20
1,1,2,2-TETRACHLOROETHANE	MG/M ³	<0.05
TETRACHLOROETHENE	MG/M ³	<0.05
TOLUENE	MG/M ³	<0.05
1,1,1-TRICHLOROETHANE	MG/M ³	<0.10
1,1,2-TRICHLOROETHANE	MG/M ³	<0.02
TRICHLOROETHENE	MG/M ³	<0.03
TRICHLOROFLUOROMETHANE	MG/M ³	<0.02
VINYL CHLORIDE	MG/M ³	<0.05
TOTAL XYLENES	MG/M ³	<0.05

SURROGATES:

BROMOCHLOROMETHANE (%)	105
TRIFLUOROTOLUENE (%)	101

GWB-00672-SPARTON

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010/8020	AEN I.D.	: 606346
BLANK I.D.	: 062796	MATRIX	: AIR
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q96-SVP	DATE ANALYZED	: 06/27/96
PROJECT NAME	: SOIL GAS VP-1	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	MG/M ³	<0.05
BROMODICHLOROMETHANE	MG/M ³	<0.02
BROMOFORM	MG/M ³	<0.05
BROMOMETHANE	MG/M ³	<0.10
CARBON TETRACHLORIDE	MG/M ³	<0.02
CHLOROBENZENE	MG/M ³	<0.05
CHLOROETHANE	MG/M ³	<0.05
CHLOROFORM	MG/M ³	<0.05
CHLOROMETHANE	MG/M ³	<0.10
DIBROMOCHLOROMETHANE	MG/M ³	<0.02
1,2-DIBROMOETHANE (EDB)	MG/M ³	<0.02
1,2-DICHLOROBENZENE	MG/M ³	<0.05
1,3-DICHLOROBENZENE	MG/M ³	<0.05
1,4-DICHLOROBENZENE	MG/M ³	<0.05
1,1-DICHLOROETHANE	MG/M ³	<0.03
1,2-DICHLOROETHANE (EDC)	MG/M ³	<0.05
1,1-DICHLOROETHENE	MG/M ³	<0.02
CIS-1,2-DICHLOROETHENE	MG/M ³	<0.02
TRANS-1,2-DICHLOROETHENE	MG/M ³	<0.10
1,2-DICHLOROPROPANE	MG/M ³	<0.02
CIS-1,3-DICHLOROPROPENE	MG/M ³	<0.02
TRANS-1,3-DICHLOROPROPENE	MG/M ³	<0.02
ETHYLBENZENE	MG/M ³	<0.05
METHYL-t-BUTYL ETHER	MG/M ³	<0.25
METHYLENE CHLORIDE	MG/M ³	<0.20
1,1,2,2-TETRACHLOROETHANE	MG/M ³	<0.05
TETRACHLOROETHENE	MG/M ³	<0.05
TOLUENE	MG/M ³	<0.05
1,1,1-TRICHLOROETHANE	MG/M ³	<0.10
1,1,2-TRICHLOROETHANE	MG/M ³	<0.02
TRICHLOROETHENE	MG/M ³	<0.03
TRICHLOROFLUOROMETHANE	MG/M ³	<0.02
VINYL CHLORIDE	MG/M ³	<0.05
TOTAL XYLENES	MG/M ³	<0.05

SURROGATES:

BROMOCHLOROMETHANE (%)	104
TRIFLUOROTOLUENE (%)	102

GWB-00671-SPARTON

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 8010/8020)
MSMSD # : 062796 AEN I.D. : 606346
CLIENT : SPARTON TECHNOLOGY, INC. DATE EXTRACTED : NA
PROJECT # : 2Q96-SVP DATE ANALYZED : 06/27/96
PROJECT NAME : SOIL GAS VP-1 SAMPLE MATRIX : AIR
REF. I.D. : 062796 UNITS : MG/M³

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.05	1.00	0.84	84	0.93	93	10
CHLOROBENZENE	<0.05	1.00	0.92	92	1.02	102	10
1,1-DICHLOROETHENE	<0.02	1.00	0.91	91	1.00	100	9
TOLUENE	<0.05	1.00	0.88	88	0.97	97	10
TRICHLOROETHENE	<0.03	1.00	1.03	103	1.09	109	6

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc., Albuquerque, NM
 San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 6-25-96 PAGE 1 OF 1

ATI LAB I.D.

606346

PROJECT MANAGER: John M. Wakefield

COMPANY: Sparton Technology Inc.
 ADDRESS: 9621 Coors Rd. NW
Albuquerque NM 87114
 PHONE: (505) 892-5300
 FAX: 5515

BILL TO: "
 COMPANY: "
 ADDRESS: 4901 Rockaway Blvd.
Rio Rancho NM 87124

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
VP-1 Zone 6, 270	6-25-96	0921	Gas	-01
" Zone 5, 247	"	0939	"	-02
" Zone 4, 568	"	0953	"	-03
" Zone 3, 700	"	1032	"	-04
" Zone 2, 694	"	1105	"	-05
" Zone 1, 375	"	1128	"	-06
PID readings ppm TCE				

Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	Pesticides/PCB (808/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/6270)	Volatile Organics GC/MS (624/6240)	Polynuclear Aromatics (610/8310)	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	NUMBER OF CONTAINERS
				X	X														1
				X	X														1
				X	X														1
				X	X														1
				X	X														1
				X	X														1
				X	X														1

PROJECT INFORMATION	SAMPLE RECEIPT
PROJ. NO.: <u>2096-SVP</u>	NO. CONTAINERS <u>6</u>
PROJ. NAME: <u>Soil Gas VP-1</u>	CUSTODY SEALS <u>Y (N) NA</u>
P.O. NO.:	RECEIVED INTACT <u>Y</u>
SHIPPED VIA: <u>Delivered</u>	RECEIVED COLD <u>NA Air</u>

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

Comments: Fax prelim data to Steve
892-5515

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: <u>John M. Wakefield</u> Time: <u>13:36</u>	Signature: _____ Time: _____	Signature: _____ Time: _____
Printed Name: <u>John M. Wakefield</u> Date: <u>6-25-96</u>	Printed Name: _____ Date: _____	Printed Name: _____ Date: _____
Company: <u>STI</u> Phone: <u>892-5300</u>	Company: _____	Company: _____
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: _____ Time: _____	Signature: _____ Time: _____	Signature: <u>Dan Johnson</u> Time: <u>13:39</u>
Printed Name: _____ Date: _____	Printed Name: _____ Date: _____	Printed Name: <u>Dan Johnson</u> Date: <u>6-25-96</u>
Company: _____	Company: _____	Analytical Technologies, Inc.

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine
NMED / Assessment & Abatement Sec.
P.O. Box 26110
Santa Fe, New Mexico 87502

SLD No.: OR- 9602069

REQUEST ID No.: 151914

RECEIVED AT SLD: 6/25/96

SLD COPY

USER 55321

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 11:28

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 10 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED:

N/A

DATE ANALYZED:

6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml):

0.025

ANALYSIS No.: OR- 9602069

SLD BATCH No.:

294a&d

DILUTION FACTOR:

40.00

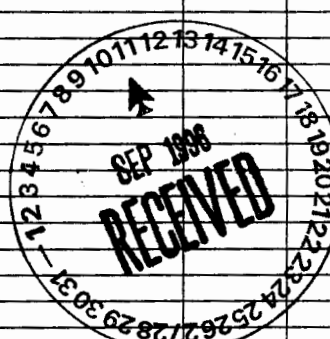
REQUEST ID No.:

151914

Barometric Pressure During Analysis in mm of Mercury:

636 mm

CAS #	ANALYTE NAME	CONCENTRATION		QUAL.	SDL	
		ug/L (air)	ppm V/V		ug/L	ppm V/V
71-43-2	Benzene			U	200.0	76.4
108-86-1	Bromobenzene			U	200.0	37.9
74-97-5	Bromochloromethane			U	200.0	46.2
75-27-4	Bromodichloromethane*			U	200.0	36.3
75-25-2	Bromoform*			U	200.0	23.5
24-83-9	Bromomethane			U	200.0	62.7
78-93-3	2-Butanone (MEK)			U	2000.0	827.4
104-51-8	n-Butylbenzene			U	200.0	44.5
135-98-8	sec-Butylbenzene			U	200.0	44.5
98-06-6	tert-Butylbenzene			U	200.0	44.5
1634-04-4	tert-Butyl methyl ether (MTBE)			U	2000.0	677.0
56-23-5	Carbon tetrachloride			U	200.0	38.7
108-90-7	Chlorobenzene (monochlorobenzene)			U	200.0	52.7
75-00-3	Chloroethane			U	200.0	91.6
67-66-3	Chloroform*			U	200.0	50.1
74-87-3	Chloromethane			U	200.0	119.1
95-49-8	2-Chlorotoluene			U	200.0	47.3
106-43-4	4-Chlorotoluene			U	200.0	47.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	200.0	25.1
124-48-1	Dibromochloromethane*			U	200.0	28.6
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	200.0	31.7
74-95-3	Dibromomethane			U	200.0	63.4
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	200.0	40.5
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	200.0	40.5
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	200.0	40.5
75-71-8	Dichlorodifluoromethane			U	200.0	49.2
75-34-3	1,1-Dichloroethane			U	200.0	60.2
107-06-2	1,2-Dichloroethane			U	200.0	60.2
75-35-4	1,1-Dichloroethene	1100	340		200.0	61.4
156-59-2	cis-1,2-Dichloroethene			U	200.0	61.4
156-60-5	trans-1,2-Dichloroethene			U	200.0	61.4
78-87-5	1,2-Dichloropropane			U	200.0	52.7
142-28-9	1,3-Dichloropropane			U	200.0	52.7
590-20-7	2,2-Dichloropropane			U	200.0	52.7
563-58-6	1,1-Dichloropropene			U	200.0	53.7
1006-01-5	cis-1,3-Dichloropropene			U	200.0	53.7
1006-02-6	trans-1,3-Dichloropropene			U	200.0	53.7
100-41-4	Ethylbenzene	300	83		200.0	56.2
87-68-3	Hexachlorobutadiene			U	200.0	22.8
98-82-8	Isopropylbenzene			U	200.0	49.6
99-87-6	4-Isopropyltoluene			U	200.0	44.1
75-09-2	Methylene chloride (Dichloromethane)			U	400.0	140.2



91-20-3	Naphthalene			U	200.0	37.7
103-65-1	Propylbenzene			U	200.0	49.6
100-42-5	Styrene			U	200.0	57.3
630-20-6	1,1,1,2-Tetrachloroethane			U	200.0	35.5
79-34-5	1,1,2,2-Tetrachloroethane			U	200.0	35.5
127-18-4	Tetrachloroethene	310	54		200.0	35.9
109-99-9	Tetrahydrofuran (THF)			U	2000.0	827.4
108-88-3	Toluene	2100	660		200.0	64.8
87-61-5	1,2,3-Trichlorobenzene			U	200.0	32.9
120-82-1	1,2,4-Trichlorobenzene			U	200.0	32.9
71-55-6	1,1,1-Trichloroethane	6000	1300		200.0	44.8
79-00-5	1,1,2-Trichloroethane			U	200.0	44.8
79-01-6	Trichloroethene	19000	4300		200.0	45.5
75-69-4	Trichlorofluoromethane			U	200.0	43.2
96-18-4	1,2,3-Trichloropropane			U	200.0	40.5
95-63-6	1,2,4-Trimethylbenzene			U	200.0	49.6
108-67-8	1,3,5-Trimethylbenzene			U	200.0	49.6
75-01-4	Vinyl chloride			U	200.0	96.1
95-47-6	o-Xylene*	250	69		200.0	56.2
N/A	p- & m-Xylene*	170	46	J	200.0	56.2
N/A	*Total Xylenes*	420	115		200.0	0.0
						ug/L

LABORATORY BATCH QUALITY CONTROL SUMMARY

SURROGATE	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY
RECOVERIES:	Toluene - D8	19400	97.0%
	4 - Bromofluorobenzene	16800	84.0%
	1,2 - Dichlorobenzene - D4	22600	113.0%

LABORATORY FORTIFIED BLANK RECOVERIES	The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:		
	COMPOUND	TARGET CONC. (ug/L)	% RECOVERY
	2,2-Dichloropropane	50	172%
	2-Butanone	50	79%
	Tetrahydrofuran	200	79%
	Benzene	50	61%

LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:	
	COMPOUND	CONCENTRATION (mg/L)
	No Exceptions	

ANALYST:

Patrick Basile

QC APPROVED BY:

Ken Sherrell

DEFINITIONS

**	Concentration Exceeds EPA's allowable Maximum Contamination Level
CAS#	Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
CONC.	Concentration (ug/L) of analyte actually detected in the sample
QUAL	Qualifier of analytical results as follows:
	B Analyte was detected in laboratory blank
	J Analyte was detected at a level below which an accurate quantitation can be given (~5 * SDL)
	U No analyte was detected above the Sample Detection Limit.
SDL	Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
ug/L	Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

ORGANIC CHEMISTRY ANALYTICAL REQUEST FORM

SCIENTIFIC LABORATORY DIVISION

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106

Organic Chemistry Section - Telephone: (505) 841-2570

SLD No.

OR96-2069-B

Date

Received:

Request ID No. 151914-B

2 User Code #: 55321	3 Request ID No.:	4 Priority Code #: 3	(If "1" or "2", call ED-SLD Coordinator)
5 Facility Name: Spanton	6 County: Bernalillo	7 City: Albuquerque	8 State: N.M.

9 Sample Location: Spanton V.P.-1, 10 Feet

10 Collected By: Rob Pine On: 96/06/25 At: 11:28 hrs.
First Last Date: (YY/MM/DD) Time: 24 hr. clock 3:00 pm = 1500 hrs.

11 Codes: 418 Submitter WSS # Organization

13 Report To: Rob Pine 14 Phone #: 827-0178

Address: NMED / Assessment & Abatement Section
P.O. Box 26110
City, State Zip: Santa Fe, NM 87502

16 Field Data: pH: , Conductivity: umhos/cm @ Temperature: °C Chlorine Residual: mg/l, Flow:

17 Sample Source: ☐ Stream ☐ Entry Point to Distribution
☐ Lake ☐ Well; Depth:
☐ Drain ☐ Spring
☐ Pool ☐ Distribution
☐ WWTP ☐ Other:
18 Field Remarks: Project Code: 515

19 Sample Type: ☐ Water ☐ Unchlorinated ☐ Wastewater ☐ Chlorinated
☐ Soil ☐ Food ☒ Other Air
This form accompanies a single sample consisting of:
- septum vial(s) (volume = ml ea.)
- glass jug(s) (volume = ml ea.)
1 - Tedlar bag (volume =)
20 Preservation: ☐ NP No Preservation; Sample stored at room temperature
☐ P-Ice Sample stored in an ice bath (Not Frozen)
☐ P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual
☐ P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)
☐ P-HgCl₂ Sample Preserved with 20 mg/l Mercuric Chloride
☐ Other

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.

Volatile Screens:

- ☐ - (753) Aliphatic Headspace (Qualitative Screen)
- ☒ - (754) Aromatic & Halogenated Purgeables (EPA 601/2)
- ☐ - (765) Mass Spectrometer Purgeables (EPA 624)
- ☐ - (766) SDWA Total Trihalomethanes (EPA 501.1)
- ☐ - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2)
- ☐ - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)
- ☐ - (790) Composite Sample for Analysis No. _____

Other Specific Compounds or Classes:

- ☐ - ()
- ☐ - ()

Semivolatile Screens:

- ☐ - (755) Base/Neutral Extractables (EPA 625)
- ☐ - (756) Base/Neutral/Acid Extractables (EPA 8270)
- ☐ - (772) Carbamate Pesticides (EPA 531.1)
- ☐ - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1)
- ☐ - (759) Herbicides, Triazine (EPA 507)
- ☐ - (751) Hydrocarbon Fuel Screen (EPA M-8015)
- ☐ - (760) Organochlorine Pesticides (EPA 505)
- ☐ - (761) Organophosphate Pesticides (EPA 507)
- ☐ - (767) Polychlorinated Biphenyls (PCB's) in Oil
- ☐ - (762) SDWA Synthetic Org. Compds. (SLD 758/760)
- ☐ - (782) Total Petroleum Hydrocarbons (EPA 418.1)

Remarks:

01:1 Wd SZ N00 96

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine
NMED / Assessment & Abatement Sec.
P.O. Box 26110
Santa Fe, New Mexico 87502

SLD No.: OR- 9602064

REQUEST ID No.: 151909

RECEIVED AT SLD: 6/25/96

SLD COPY

USER 55321

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 9:20

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 60 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED:

N/A

DATE ANALYZED:

6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml):

0.05

ANALYSIS No.: OR-

9602064

SLD BATCH No.:

294a&d

DILUTION FACTOR:

20.00

REQUEST ID No.:

151909

Barometric Pressure During Analysis in mm of Mercury:

636

CAS #	ANALYTE NAME	CONCENTRATION		QUAL.	SDL	
		ug/L (air)	ppm V/V		ug/L	ppm V/V
71-43-2	Benzene			U	100.0	38.2
108-86-1	Bromobenzene			U	100.0	19.0
74-97-5	Bromochloromethane			U	100.0	23.1
75-27-4	Bromodichloromethane*			U	100.0	18.2
75-25-2	Bromoform*			U	100.0	11.8
24-83-9	Bromomethane			U	100.0	31.4
78-93-3	2-Butanone (MEK)			U	1000.0	413.7
104-51-8	n-Butylbenzene			U	100.0	22.2
135-98-8	sec-Butylbenzene			U	100.0	22.2
98-06-6	tert-Butylbenzene			U	100.0	22.2
1634-04-4	tert-Butyl methyl ether (MTBE)			U	1000.0	338.5
56-23-5	Carbon tetrachloride			U	100.0	19.3
108-90-7	Chlorobenzene (monochlorobenzene)			U	100.0	26.4
75-00-3	Chloroethane			U	100.0	45.8
67-66-3	Chloroform*			U	100.0	25.0
74-87-3	Chloromethane			U	100.0	59.6
95-49-8	2-Chlorotoluene			U	100.0	23.6
106-43-4	4-Chlorotoluene			U	100.0	23.6
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	100.0	12.6
124-48-1	Dibromochloromethane*			U	100.0	14.3
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	100.0	15.8
74-95-3	Dibromomethane			U	100.0	31.7
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	100.0	20.3
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	100.0	20.3
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	100.0	20.3
75-71-8	Dichlorodifluoromethane			U	100.0	24.6
75-34-3	1,1-Dichloroethane			U	100.0	30.1
107-06-2	1,2-Dichloroethane			U	100.0	30.1
75-35-4	1,1-Dichloroethene	1200	350		100.0	30.7
156-59-2	cis-1,2-Dichloroethene			U	100.0	30.7
156-60-5	trans-1,2-Dichloroethene			U	100.0	30.7
78-87-5	1,2-Dichloropropane			U	100.0	26.4
142-28-9	1,3-Dichloropropane			U	100.0	26.4
590-20-7	2,2-Dichloropropane			U	100.0	26.4
563-58-6	1,1-Dichloropropene			U	100.0	26.8
1006-01-5	cis-1,3-Dichloropropene			U	100.0	26.8
1006-02-6	trans-1,3-Dichloropropene			U	100.0	26.8
100-41-4	Ethylbenzene			U	100.0	28.1
87-68-3	Hexachlorobutadiene			U	100.0	11.4
98-82-8	Isopropylbenzene			U	100.0	24.8
99-87-6	4-Isopropyltoluene			U	100.0	22.1
75-09-2	Methylene chloride (Dichloromethane)			U	200.0	70.1

91-20-3	Naphthalene			U	100.0	18.9
103-65-1	Propylbenzene			U	100.0	24.8
100-42-5	Styrene			U	100.0	28.6
630-20-6	1,1,1,2-Tetrachloroethane			U	100.0	17.7
79-34-5	1,1,2,2-Tetrachloroethane			U	100.0	17.7
127-18-4	Tetrachloroethene	170	29		100.0	17.9
109-99-9	Tetrahydrofuran (THF)			U	1000.0	413.7
108-88-3	Toluene			U	100.0	32.4
87-61-5	1,2,3-Trichlorobenzene			U	100.0	16.5
120-82-1	1,2,4-Trichlorobenzene			U	100.0	16.5
71-55-6	1,1,1-Trichloroethane	3800	840		100.0	22.4
79-00-5	1,1,2-Trichloroethane			U	100.0	22.4
79-01-6	Trichloroethene	10000	2300		100.0	22.7
75-69-4	Trichlorofluoromethane			U	100.0	21.6
96-18-4	1,2,3-Trichloropropane			U	100.0	20.3
95-63-6	1,2,4-Trimethylbenzene			U	100.0	24.8
108-67-8	1,3,5-Trimethylbenzene			U	100.0	24.8
75-01-4	Vinyl chloride			U	100.0	48.0
95-47-6	o-Xylene*			U	100.0	28.1
N/A	p- & m-Xylene*			U	100.0	
N/A	*Total Xylenes*	0.0	0.0	U	100.0	

LABORATORY BATCH QUALITY CONTROL SUMMARY			
SURROGATE	SURROGATE COMPOUNDS	CONCENTRATION (ug/L)	% RECOVERY
RECOVERIES:	Toluene - D8	10100	101.0%
	4 - Bromofluorobenzene	9500	95.0%
	1,2 - Dichlorobenzene - D4	11300	113.0%
LABORATORY FORTIFIED BLANK RECOVERIES	The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:		
	COMPOUND	TARGET CONC. (ug/L)	% RECOVERY
	2,2-Dichloropropane	50	172%
	2-Butanone	50	79%
	Tetrahydrofuran	200	79%
	Benzene	50	61%
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:		
	COMPOUND	CONCENTRATION (mg/L)	
	No Exceptions		

ANALYST: Patrick Basile

QC APPROVED BY:

Ken Sherrell



DEFINITIONS

**	Concentration Exceeds EPA's allowable Maximum Contamination Level
CAS#	Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
CONC.	Concentration (ug/L) of analyte actually detected in the sample
QUAL	Qualifier of analytical results as follows:
	B Analyte was detected in laboratory blank
	J Analyte was detected at a level below which an accurate quantitation can be given (~5 * SDL)
	U No analyte was detected above the Sample Detection Limit.
SDL	Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
ug/L	Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

ORGANIC CHEMISTRY ANALYTICAL REQUEST FORM

SCIENTIFIC LABORATORY DIVISION

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106

Organic Chemistry Section - Telephone: (505) 841-2570

SLD No.

OR96-2064-B

Date

Received:

2 User Code #: <u>5,5,3,2,1</u>		3 Request ID No.:		Request ID No. 151909-B		Priority Code #: <u>3</u>		(If "1" or "2", call ED-SLD Coordinator)	
5 Facility Name: <u>Sparton</u>				6 County: <u>Bernalillo</u>		7 City: <u>Albuquerque</u>		8 State: <u>N.M.</u>	
9 Sample Location: <u>Sparton, N.P.-1, 6.0 Feet</u>									
10 Collected By: <u>Rob Pine</u>				On: <u>96/06/25</u>		At: <u>0920</u> hrs.		Time: 24 hr. clock 3:00 pm = 1500 hrs.	
11 Codes: <u>4, 1, 8</u>				12 Latitude (DDMMSS)		Longitude (DDMMSS)		2 Digit ID (if needed)	
13 Report To: <u>Rob Pine</u>				14 Phone #: <u>827-0178</u>		15 Sampling Information:			
Address: <u>NMED / Assessment & Abatement Section</u>						Sample Purpose: <input type="checkbox"/> - Grab <input type="checkbox"/> - Composite (Composite Time Period)			
P.O. Box 26110						<input type="checkbox"/> - Compliance <input type="checkbox"/> - Flow Proportioned			
City, State Zip: <u>Santa Fe, NM 87502</u>						<input type="checkbox"/> - NMED Monitoring <input type="checkbox"/> - Equal Aliquot			
						<input type="checkbox"/> - Confirmation <input type="checkbox"/> - Sample Split w/Permittee			
						<input type="checkbox"/> - Special <input type="checkbox"/> - Chain of Custody			
16 Field Data: pH: _____, Conductivity: _____ umhos/cm @ _____ Temperature: _____ °C, Chlorine Residual: _____ mg/l, Flow: _____									
17 Sample Source:				18 Field Remarks:					
<input type="checkbox"/> - Stream <input type="checkbox"/> - Entry Point to Distribution				Project Code: 515					
<input type="checkbox"/> - Lake <input type="checkbox"/> - Well; Depth: _____									
<input type="checkbox"/> - Drain <input type="checkbox"/> - Spring									
<input type="checkbox"/> - Pool <input type="checkbox"/> - Distribution									
<input type="checkbox"/> - WWTP <input type="checkbox"/> - Other: _____									
19 Sample Type: <input type="checkbox"/> - Water <input type="checkbox"/> - Unchlorinated				20 Preservation:					
<input type="checkbox"/> - Wastewater <input type="checkbox"/> - Chlorinated				<input type="checkbox"/> - NP No Preservation; Sample stored at room temperature					
<input type="checkbox"/> - Soil, <input type="checkbox"/> - Food, <input checked="" type="checkbox"/> - Other <u>Air</u>				<input type="checkbox"/> - P-Ice Sample stored in an ice bath (Not Frozen)					
This form accompanies a <u>single sample</u> consisting of:				<input type="checkbox"/> - P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual					
- septum vial(s) (volume = _____ ml ea.)				<input type="checkbox"/> - P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)					
- glass jug(s) (volume = _____ ml ea.)				<input type="checkbox"/> - P-HgCl ₂ Sample Preserved with 20 mg/l Mercuric Chloride					
- <u>Tedlar bag</u> (volume = _____)				<input type="checkbox"/> - Other _____					

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.

Volatile Screens:

- ☐ - (753) Aliphatic Headspace (Qualitative Screen)
☒ - (754) Aromatic & Halogenated Purgeables (EPA 601/2)
☐ - (765) Mass Spectrometer Purgeables (EPA 624)
☐ - (766) SDWA Total Trihalomethanes (EPA 501.1)
☐ - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2)
☐ - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)
☐ - (790) Composite Sample for Analysis No. _____

Other Specific Compounds or Classes:

- ☐ - () _____
☐ - () _____

Semivolatile Screens:

- ☐ - (755) Base/Neutral Extractables (EPA 625)
☐ - (756) Base/Neutral/Acid Extractables (EPA 8270)
☐ - (772) Carbamate Pesticides (EPA 531.1)
☐ - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1)
☐ - (759) Herbicides, Triazine (EPA 507)
☐ - (751) Hydrocarbon Fuel Screen (EPA M-8015)
☐ - (760) Organochlorine Pesticides (EPA 505)
☐ - (761) Organophosphate Pesticides (EPA 507)
☐ - (767) Polychlorinated Biphenyls (PCB's) in Oil
☐ - (762) SDWA Synthetic Org. Compds. (SLD 758/760)
☐ - (782) Total Petroleum Hydrocarbons (EPA 418.1)

Remarks:

01:14 PM 1-10
 25 JUN 96

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine
NMED / Assessment & Abatement Sec.
P.O. Box 26110
Santa Fe, New Mexico 87502

SLD No.: OR- 9602065

REQUEST ID No.: 151910

RECEIVED AT SLD: 6/25/96

SLD COPY

USER 55321

SAMPLE COLLECTION: DATE: 6/25/96 TIME: 9:35 BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 50 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED:

N/A

DATE ANALYZED:

6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml):

0.05

ANALYSIS No.: OR-

9602065

SLD BATCH No.:

294a&d

DILUTION FACTOR:

20.00

REQUEST ID No.:

151910

Barometric Pressure During Analysis in mm of Mercury: 636 mm

CAS #	ANALYTE NAME	CONCENTRATION		QUAL.	SDL	
		ug/L (air)	ppm V/V		ug/L	ppm V/V
71-43-2	Benzene			U	100.0	38.2
108-86-1	Bromobenzene			U	100.0	19.0
74-97-5	Bromochloromethane			U	100.0	23.1
75-27-4	Bromodichloromethane*			U	100.0	18.2
75-25-2	Bromoform*			U	100.0	11.8
24-83-9	Bromomethane			U	100.0	31.4
78-93-3	2-Butanone (MEK)			U	1000.0	413.7
104-51-8	n-Butylbenzene			U	100.0	22.2
135-98-8	sec-Butylbenzene			U	100.0	22.2
98-06-6	tert-Butylbenzene			U	100.0	22.2
1634-04-4	tert-Butyl methyl ether (MTBE)			U	1000.0	338.5
56-23-5	Carbon tetrachloride			U	100.0	19.3
108-90-7	Chlorobenzene (monochlorobenzene)			U	100.0	26.4
75-00-3	Chloroethane			U	100.0	45.8
67-66-3	Chloroform*			U	100.0	25.0
74-87-3	Chloromethane			U	100.0	59.6
95-49-8	2-Chlorotoluene			U	100.0	23.6
106-43-4	4-Chlorotoluene			U	100.0	23.6
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	100.0	12.6
124-48-1	Dibromochloromethane*			U	100.0	14.3
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	100.0	15.8
74-95-3	Dibromomethane			U	100.0	31.7
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	100.0	20.3
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	100.0	20.3
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	100.0	20.3
75-71-8	Dichlorodifluoromethane			U	100.0	24.6
75-34-3	1,1-Dichloroethane			U	100.0	30.1
107-06-2	1,2-Dichloroethane			U	100.0	30.1
75-35-4	1,1-Dichloroethene	1000	310		100.0	30.7
156-59-2	cis-1,2-Dichloroethene			U	100.0	30.7
156-60-5	trans-1,2-Dichloroethene			U	100.0	30.7
78-87-5	1,2-Dichloropropane			U	100.0	26.4
142-28-9	1,3-Dichloropropane			U	100.0	26.4
590-20-7	2,2-Dichloropropane			U	100.0	26.4
563-58-6	1,1-Dichloropropene			U	100.0	26.8
1006-01-5	cis-1,3-Dichloropropene			U	100.0	26.8
1006-02-6	trans-1,3-Dichloropropene			U	100.0	26.8
100-41-4	Ethylbenzene			U	100.0	28.1
87-68-3	Hexachlorobutadiene			U	100.0	11.4
98-82-8	Isopropylbenzene			U	100.0	24.8
99-87-6	4-Isopropyltoluene			U	100.0	22.1
75-09-2	Methylene chloride (Dichloromethane)			U	200.0	70.1

91-20-3	Naphthalene			U	100.0	18.9
103-65-1	Propylbenzene			U	100.0	24.8
100-42-5	Styrene			U	100.0	28.6
630-20-6	1,1,1,2-Tetrachloroethane			U	100.0	17.7
79-34-5	1,1,2,2-Tetrachloroethane			U	100.0	17.7
127-18-4	Tetrachloroethene	160	27		100.0	17.9
109-99-9	Tetrahydrofuran (THF)			U	1000.0	413.7
108-88-3	Toluene			U	100.0	32.4
87-61-5	1,2,3-Trichlorobenzene			U	100.0	16.5
120-82-1	1,2,4-Trichlorobenzene			U	100.0	16.5
71-55-6	1,1,1-Trichloroethane	2600	580		100.0	22.4
79-00-5	1,1,2-Trichloroethane			U	100.0	22.4
79-01-6	Trichloroethene	9400	2100		100.0	22.7
75-69-4	Trichlorofluoromethane			U	100.0	21.6
96-18-4	1,2,3-Trichloropropane			U	100.0	20.3
95-63-6	1,2,4-Trimethylbenzene			U	100.0	24.8
108-67-8	1,3,5-Trimethylbenzene			U	100.0	24.8
75-01-4	Vinyl chloride			U	100.0	48.0
95-47-6	o-Xylene*			U	100.0	28.1
N/A	p- & m-Xylene*			U	100.0	
N/A	*Total Xylenes*	0.0	0.0	U	100.0	

LABORATORY BATCH QUALITY CONTROL SUMMARY

SURROGATE RECOVERIES:	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY
	Toluene - D8	10200	102.0%
	4 - Bromofluorobenzene	8790	87.9%
	1,2 - Dichlorobenzene - D4	11600	116.0%
LABORATORY FORTIFIED BLANK RECOVERIES	The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:		
	COMPOUND	TARGET CONC. (ug/L)	% RECOVERY
	2,2-Dichloropropane	50	172%
	2-Butanone	50	79%
	Tetrahydrofuran	200	79%
	Benzene	50	61%
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:		
	COMPOUND	CONCENTRATION (mg/L)	
	No Exceptions		

ANALYST: Patrick Basile

QC APPROVED BY:

Ken Sherrell

KS

DEFINITIONS

**	Concentration Exceeds EPA's allowable Maximum Contamination Level
CAS#	Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
CONC.	Concentration (ug/L) of analyte actually detected in the sample
QUAL	Qualifier of analytical results as follows:
	B Analyte was detected in laboratory blank
	J Analyte was detected at a level below which an accurate quantitation can be given (-5 * SDL)
	U No analyte was detected above the Sample Detection Limit.
SDL	Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
ug/L	Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

ORGANIC CHEMISTRY ANALYTICAL REQUEST FORM

SCIENTIFIC LABORATORY DIVISION

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106

Organic Chemistry Section - Telephone: (505) 841-2570

SLD No.

OR96-2065-B

Date

Received:

2	User Code #: 55321	3	Request ID No.: 151910-B	4	Priority Code #: 3	(If "1" or "2", call ED-SLD Coordinator)	
5	Facility Name: Spanton	6	County: Bernalillo	7	City: Albuquerque	8 State: N.M.	
9	Sample Location: Spanton V.P.-1, 50 Feet						
10	Collected By: Rob Pine	On: 96/06/25	At: 09135 hrs.	Date: (YY/MM/DD) Time: 24 hr. clock 3:00 pm = 1500 hrs.			
11	Codes: 418	12	Latitude (DDMMSS)	Longitude (DDMMSS)			
13	Report To: Rob Pine	14	Phone #: 827-0178	15 Sampling Information:			
Address: NMED / Assessment & Abatement Section				Sample Purpose: <input type="checkbox"/> Grab <input type="checkbox"/> Composite (Composite Time Period)			
P.O. Box 26110				<input type="checkbox"/> Compliance <input type="checkbox"/> Flow Proportioned			
City, State Zip: Santa Fe, NM 87502				<input type="checkbox"/> NMED Monitoring <input type="checkbox"/> Equal Aliquot			
				<input type="checkbox"/> Confirmation <input type="checkbox"/> Sample Split w/Permittee			
				<input type="checkbox"/> Special <input type="checkbox"/> Chain of Custody			
16	Field Data: pH: , Conductivity: umhos/cm @ Temperature: °C, Chlorine Residual: mg/l, Flow:						
17	Sample Source: <input type="checkbox"/> Stream <input type="checkbox"/> Lake <input type="checkbox"/> Drain <input type="checkbox"/> Pool <input type="checkbox"/> WWTP <input type="checkbox"/> Entry Point to Distribution <input type="checkbox"/> Well; Depth: <input type="checkbox"/> Spring <input type="checkbox"/> Distribution <input type="checkbox"/> Other:			18 Field Remarks: Project Code: 515			
19	Sample Type: <input type="checkbox"/> Water <input type="checkbox"/> Wastewater <input checked="" type="checkbox"/> Other Air <input type="checkbox"/> Soil <input type="checkbox"/> Food <input type="checkbox"/> Unchlorinated <input type="checkbox"/> Chlorinated			20 Preservation: <input type="checkbox"/> NP No Preservation; Sample stored at room temperature <input type="checkbox"/> P-Ice Sample stored in an ice bath (Not Frozen) <input type="checkbox"/> P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual <input type="checkbox"/> P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml) <input type="checkbox"/> P-HgCl ₂ Sample Preserved with 20 mg/l Mercuric Chloride <input type="checkbox"/> Other			
This form accompanies a single sample consisting of: - septum vial(s) (volume = ml ea.) - glass jug(s) (volume = ml ea.) - Tedlar bag (volume =)							

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.

Volatile Screens:

- ☐ - (753) Aliphatic Headspace (Qualitative Screen)
☒ - (754) Aromatic & Halogenated Purgeables (EPA 601/2)
☐ - (765) Mass Spectrometer Purgeables (EPA 624)
☐ - (766) SDWA Total Trihalomethanes (EPA 501.1)
☐ - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2)
☐ - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)
☐ - (790) Composite Sample for Analysis No. _____

Other Specific Compounds or Classes:

- ☐ - ()
☐ - ()

Semivolatile Screens:

- ☐ - (755) Base/Neutral Extractables (EPA 625)
☐ - (756) Base/Neutral/Acid Extractables (EPA 8270)
☐ - (772) Carbamate Pesticides (EPA 531.1)
☐ - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1)
☐ - (759) Herbicides, Triazine (EPA 507)
☐ - (751) Hydrocarbon Fuel Screen (EPA M-8015)
☐ - (760) Organochlorine Pesticides (EPA 505)
☐ - (761) Organophosphate Pesticides (EPA 507)
☐ - (767) Polychlorinated Biphenyls (PCB's) in Oil
☐ - (762) SDWA Synthetic Org. Cmpds. (SLD 758/760)
☐ - (782) Total Petroleum Hydrocarbons (EPA 418.1)

Remarks:

01 JUN 25 PM 1:10

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine

NMED / Assessment & Abatement Sec.

P.O. Box 26110

Santa Fe, New Mexico 87502

SLD No.: OR- 9602066

REQUEST ID No.: 151911

RECEIVED AT SLD: 6/25/96

SLD COPY

USER 55321

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 9:50

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 40 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED:

N/A

DATE ANALYZED:

6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml):

0.025

ANALYSIS No.: OR- 9602066

SLD BATCH No.:

294a&b&d

DILUTION FACTOR:

40.00

REQUEST ID No.:

151911

Barometric Pressure During Analysis in mm of Mercury:

636

CAS #	ANALYTE NAME	CONCENTRATION		QUAL.	SDL	
		ug/L (air)	ppm V/V		ug/L	ppm V/V
71-43-2	Benzene			U	200.0	76.4
108-86-1	Bromobenzene			U	200.0	37.9
74-97-5	Bromochloromethane			U	200.0	46.2
75-27-4	Bromodichloromethane*			U	200.0	36.3
75-25-2	Bromoform*			U	200.0	23.5
24-83-9	Bromomethane			U	200.0	62.7
78-93-3	2-Butanone (MEK)			U	2000.0	827.4
104-51-8	n-Butylbenzene			U	200.0	44.5
135-98-8	sec-Butylbenzene			U	200.0	44.5
98-06-6	tert-Butylbenzene			U	200.0	44.5
1634-04-4	tert-Butyl methyl ether (MTBE)			U	2000.0	677.0
56-23-5	Carbon tetrachloride			U	200.0	38.7
108-90-7	Chlorobenzene (monochlorobenzene)			U	200.0	52.7
75-00-3	Chloroethane			U	200.0	91.6
67-66-3	Chloroform*			U	200.0	50.1
74-87-3	Chloromethane			U	200.0	119.1
95-49-8	2-Chlorotoluene			U	200.0	47.3
106-43-4	4-Chlorotoluene			U	200.0	47.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	200.0	25.1
124-48-1	Dibromochloromethane*			U	200.0	28.6
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	200.0	31.7
74-95-3	Dibromomethane			U	200.0	63.4
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	200.0	40.5
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	200.0	40.5
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	200.0	40.5
75-71-8	Dichlorodifluoromethane			U	200.0	49.2
75-34-3	1,1-Dichloroethane			U	200.0	60.2
107-06-2	1,2-Dichloroethane			U	200.0	60.2
75-35-4	1,1-Dichloroethene	1500	460		200.0	61.4
156-59-2	cis-1,2-Dichloroethene			U	200.0	61.4
156-60-5	trans-1,2-Dichloroethene			U	200.0	61.4
78-87-5	1,2-Dichloropropane			U	200.0	52.7
142-28-9	1,3-Dichloropropane			U	200.0	52.7
590-20-7	2,2-Dichloropropane			U	200.0	52.7
563-58-6	1,1-Dichloropropene			U	200.0	53.7
1006-01-5	cis-1,3-Dichloropropene			U	200.0	53.7
1006-02-6	trans-1,3-Dichloropropene			U	200.0	53.7
100-41-4	Ethylbenzene	47	13	J	200.0	56.2
87-68-3	Hexachlorobutadiene			U	200.0	22.8
98-82-8	Isopropylbenzene			U	200.0	49.6
99-87-6	4-Isopropyltoluene			U	200.0	44.1
75-09-2	Methylene chloride (Dichloromethane)			U	400.0	140.2

91-20-3	Naphthalene			U	200.0	37.7
103-65-1	Propylbenzene			U	200.0	49.6
100-42-5	Styrene			U	200.0	57.3
630-20-6	1,1,1,2-Tetrachloroethane			U	200.0	35.5
79-34-5	1,1,2,2-Tetrachloroethane			U	200.0	35.5
127-18-4	Tetrachloroethene	210	38		200.0	35.9
109-99-9	Tetrahydrofuran (THF)			U	2000.0	827.4
108-88-3	Toluene	103	33	J	200.0	64.8
87-61-5	1,2,3-Trichlorobenzene			U	200.0	32.9
120-82-1	1,2,4-Trichlorobenzene			U	200.0	32.9
71-55-6	1,1,1-Trichloroethane	6600	1500		200.0	44.8
79-00-5	1,1,2-Trichloroethane			U	200.0	44.8
79-01-6	Trichloroethene	22000	5000		200.0	45.5
75-69-4	Trichlorofluoromethane			U	200.0	43.2
96-18-4	1,2,3-Trichloropropane			U	200.0	40.5
95-63-6	1,2,4-Trimethylbenzene			U	200.0	49.6
108-67-8	1,3,5-Trimethylbenzene			U	200.0	49.6
75-01-4	Vinyl chloride			U	200.0	96.1
95-47-6	o-Xylene*			U	200.0	56.2
N/A	p- & m-Xylene*	70	19	J	200.0	56.2
N/A	*Total Xylenes*	70	19	J	200.0	0.0
						ug/L

LABORATORY BATCH QUALITY CONTROL SUMMARY

SURROGATE	SURROGATE COMPOUNDS	CONCENTRATION (ug/L)	% RECOVERY
RECOVERIES:	Toluene - D8	19100	95.5%
	4 - Bromofluorobenzene	18300	91.5%
	1,2 - Dichlorobenzene - D4	23100	115.5%
LABORATORY FORTIFIED BLANK RECOVERIES	The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:		
	COMPOUND	TARGET CONC. (ug/L)	% RECOVERY
	2,2-Dichloropropane	50	172%
	2-Butanone	50	79%
	Tetrahydrofuran	200	79%
	Benzene	50	61%
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:		
	COMPOUND	CONCENTRATION (mg/L)	
	No Exceptions		

ANALYST: **Patrick Basile**

QC APPROVED BY:

Ken Sherrell

KS

DEFINITIONS

**	Concentration Exceeds EPA's allowable Maximum Contamination Level
CAS#	Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
CONC.	Concentration (ug/L) of analyte actually detected in the sample
QUAL	Qualifier of analytical results as follows:
	B Analyte was detected in laboratory blank
	J Analyte was detected at a level below which an accurate quantitation can be given (~5 * SDL)
	U No analyte was detected above the Sample Detection Limit.
SDL	Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
ug/L	Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

ORGANIC CHEMISTRY ANALYTICAL REQUEST FORM

SCIENTIFIC LABORATORY DIVISION

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106

Organic Chemistry Section - Telephone: (505) 841-2570

SLD No. **OR96-2066-B**

Date

Received:

2 User Code #: 55321		3 Request ID No.:		Request ID No. 151911-B		4 Priority Code #: 3		(If "1" or "2", call ED-SLD Coordinator)	
5 Facility Name: Sparton				6 County: Bernalillo		7 City: Albuquerque		8 State: N.M.	
9 Sample Location: Sparton V.P.-1, 4.0 feet									
10 Collected By: Rob Pine		On: 96/06/25		At: 09:50 hrs.		Time: 24 hr. clock 3:00 pm - 1500 hrs.			
11 Codes: 418		WSS #		Organization		12 Latitude (DDMMSS)		2 Digit ID (if needed)	
13 Report To: Rob Pine		14 Phone #: 827-0178		Longitude (DDMMSS)					
Address: NMED / Assessment & Abatement Section						15 Sampling Information:			
P.O. Box 26110						Sample Purpose: <input type="checkbox"/> Grab <input type="checkbox"/> Composite (Composite Time Period)			
City, State Zip: Santa Fe, NM 87502						<input type="checkbox"/> Compliance <input type="checkbox"/> Flow Proportioned			
						<input type="checkbox"/> NMED Monitoring <input type="checkbox"/> Equal Aliquot			
						<input type="checkbox"/> Confirmation <input type="checkbox"/> Sample Split w/Permittee			
						<input type="checkbox"/> Special <input type="checkbox"/> Chain of Custody			
16 Field Data: pH: , Conductivity: umhos/cm @ Temperature: °C, Chlorine Residual: mg/l, Flow:									
17 Sample Source: <input type="checkbox"/> -Stream <input type="checkbox"/> -Entry Point to Distribution									
<input type="checkbox"/> -Lake <input type="checkbox"/> -Well; Depth:									
<input type="checkbox"/> -Drain <input type="checkbox"/> -Spring									
<input type="checkbox"/> -Pool <input type="checkbox"/> -Distribution									
<input type="checkbox"/> -WWTP <input type="checkbox"/> -Other:									
18 Field Remarks: Project Code: 515									
19 Sample Type: <input type="checkbox"/> -Water <input type="checkbox"/> -Unchlorinated <input type="checkbox"/> -Wastewater <input type="checkbox"/> -Chlorinated									
<input type="checkbox"/> -Soil, <input type="checkbox"/> -Food, <input checked="" type="checkbox"/> -Other Air									
This form accompanies a <u>single sample</u> consisting of:									
- septum vial(s) (volume = ml ea.)									
- glass jug(s) (volume = ml ea.)									
- <u>Tealair bag</u> (volume =)									
20 Preservation: <input type="checkbox"/> - NP No Preservation; Sample stored at room temperature									
<input type="checkbox"/> - P-Ice Sample stored in an ice bath (Not Frozen)									
<input type="checkbox"/> - P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual									
<input type="checkbox"/> - P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)									
<input type="checkbox"/> - P-HgCl ₂ Sample Preserved with 20 mg/l Mercuric Chloride									
<input type="checkbox"/> - Other									

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.

Volatile Screens:

- ☐ - (753) Aliphatic Headspace (Qualitative Screen)
☒ - (754) Aromatic & Halogenated Purgeables (EPA 601/2)
☐ - (765) Mass Spectrometer Purgeables (EPA 624)
☐ - (766) SDWA Total Trihalomethanes (EPA 501.1)
☐ - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2)
☐ - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)
☐ - (790) Composite Sample for Analysis No. _____

Other Specific Compounds or Classes:

- ☐ - ()
☐ - ()

Semivolatile Screens:

- ☐ - (755) Base/Neutral Extractables (EPA 625)
☐ - (756) Base/Neutral/Acid Extractables (EPA 8270)
☐ - (772) Carbamate Pesticides (EPA 531.1)
☐ - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1)
☐ - (759) Herbicides, Triazine (EPA 507)
☐ - (751) Hydrocarbon Fuel Screen (EPA M-8015)
☐ - (760) Organochlorine Pesticides (EPA 505)
☐ - (761) Organophosphate Pesticides (EPA 507)
☐ - (767) Polychlorinated Biphenyls (PCB's) in Oil
☐ - (762) SDWA Synthetic Org. Compds. (SLD 758/760)
☐ - (782) Total Petroleum Hydrocarbons (EPA 418.1)

Remarks:

01:1 PM 96 JUN 25

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine

NMED / Assessment & Abatement Sec.

P.O. Box 26110

Santa Fe, New Mexico 87502

SLD No.: OR- 9602067

REQUEST ID No.: 151912

RECEIVED AT SLD: 6/25/96

SLD COPY

USER: 55321

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 10:32

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 30 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED:

N/A

DATE ANALYZED:

6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml):

0.025

ANALYSIS No.: OR- 9602067

SLD BATCH No.:

294b&d

DILUTION FACTOR:

40.00

REQUEST ID No.:

151912

Barometric Pressure During Analysis in mm of Mercury:

636

CAS #	ANALYTE NAME	CONCENTRATION		QUAL.	SDL	
		ug/L (air)	ppm V/V		ug/L	ppm V/V
71-43-2	Benzene			U	200.0	76.4
108-86-1	Bromobenzene			U	200.0	37.9
74-97-5	Bromochloromethane			U	200.0	46.2
75-27-4	Bromodichloromethane*			U	200.0	36.3
75-25-2	Bromoform*			U	200.0	23.5
24-83-9	Bromomethane			U	200.0	62.7
78-93-3	2-Butanone (MEK)			U	2000.0	827.4
104-51-8	n-Butylbenzene			U	200.0	44.5
135-98-8	sec-Butylbenzene			U	200.0	44.5
98-06-6	tert-Butylbenzene			U	200.0	44.5
1634-04-4	tert-Butyl methyl ether (MTBE)			U	2000.0	677.0
56-23-5	Carbon tetrachloride			U	200.0	38.7
108-90-7	Chlorobenzene (monochlorobenzene)			U	200.0	52.7
75-00-3	Chloroethane			U	200.0	91.6
67-66-3	Chloroform*			U	200.0	50.1
74-87-3	Chloromethane			U	200.0	119.1
95-49-8	2-Chlorotoluene			U	200.0	47.3
106-43-4	4-Chlorotoluene			U	200.0	47.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	200.0	25.1
124-48-1	Dibromochloromethane*			U	200.0	28.6
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	200.0	31.7
74-95-3	Dibromomethane			U	200.0	63.4
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	200.0	40.5
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	200.0	40.5
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	200.0	40.5
75-71-8	Dichlorodifluoromethane			U	200.0	49.2
75-34-3	1,1-Dichloroethane			U	200.0	60.2
107-06-2	1,2-Dichloroethane			U	200.0	60.2
75-35-4	1,1-Dichloroethene	1900	580		200.0	61.4
156-59-2	cis-1,2-Dichloroethene			U	200.0	61.4
156-60-5	trans-1,2-Dichloroethene			U	200.0	61.4
78-87-5	1,2-Dichloropropane			U	200.0	52.7
142-28-9	1,3-Dichloropropane			U	200.0	52.7
590-20-7	2,2-Dichloropropane			U	200.0	52.7
563-58-6	1,1-Dichloropropene			U	200.0	53.7
1006-01-5	cis-1,3-Dichloropropene			U	200.0	53.7
1006-02-6	trans-1,3-Dichloropropene			U	200.0	53.7
100-41-4	Ethylbenzene	170	48	J	200.0	56.2
87-68-3	Hexachlorobutadiene			U	200.0	22.8
98-82-8	Isopropylbenzene			U	200.0	49.6
99-87-6	4-Isopropyltoluene			U	200.0	44.1
75-09-2	Methylene chloride (Dichloromethane)			U	400.0	140.2

91-20-3	Naphthalene			U	200.0	37.7
103-65-1	Propylbenzene			U	200.0	49.6
100-42-5	Styrene			U	200.0	57.3
630-20-6	1,1,1,2-Tetrachloroethane			U	200.0	35.5
79-34-5	1,1,2,2-Tetrachloroethane			U	200.0	35.5
127-18-4	Tetrachloroethene	290	51		200.0	35.9
109-99-9	Tetrahydrofuran (THF)			U	2000.0	827.4
108-88-3	Toluene	6000	1900		200.0	64.8
87-61-5	1,2,3-Trichlorobenzene			U	200.0	32.9
120-82-1	1,2,4-Trichlorobenzene			U	200.0	32.9
71-55-6	1,1,1-Trichloroethane	8300	1800		200.0	44.8
79-00-5	1,1,2-Trichloroethane			U	200.0	44.8
79-01-6	Trichloroethene	27000	6000		200.0	45.5
75-69-4	Trichlorofluoromethane			U	200.0	43.2
96-18-4	1,2,3-Trichloropropane			U	200.0	40.5
95-63-6	1,2,4-Trimethylbenzene			U	200.0	49.6
108-67-8	1,3,5-Trimethylbenzene			U	200.0	49.6
75-01-4	Vinyl chloride			U	200.0	96.1
95-47-6	o-Xylene [#]	170	47	J	200.0	56.2
N/A	p- & m-Xylene [#]	340	94		200.0	56.2
N/A	[#] Total Xylenes [#]	510	141		200.0	0.0
ug/L						

LABORATORY BATCH QUALITY CONTROL SUMMARY

SURROGATE RECOVERIES:	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY
	Toluene - D8	19900	99.5%
	4 - Bromofluorobenzene	18200	91.0%
	1,2 - Dichlorobenzene - D4	23500	117.5%
LABORATORY FORTIFIED BLANK RECOVERIES	The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:		
	COMPOUND	TARGET CONC. (ug/L)	% RECOVERY
	2,2-Dichloropropane	50	172%
	2-Butanone	50	79%
	Tetrahydrofuran	200	79%
	Benzene	50	61%
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:		
	COMPOUND	CONCENTRATION (mg/L)	
	No Exceptions		

ANALYST: Patrick Basile

QC APPROVED BY:

Ken Sherrell

DS

DEFINITIONS

**	Concentration Exceeds EPA's allowable Maximum Contamination Level
CAS#	Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
CONC.	Concentration (ug/L) of analyte actually detected in the sample
QUAL	Qualifier of analytical results as follows:
	B Analyte was detected in laboratory blank
	J Analyte was detected at a level below which an accurate quantitation can be given (-5 * SDL)
	U No analyte was detected above the Sample Detection Limit.
SDL	Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
ug/L	Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

ORGANIC CHEMISTRY ANALYTICAL REQUEST FORM

SCIENTIFIC LABORATORY DIVISION

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106

Organic Chemistry Section - Telephone: (505) 841-2570

SLD No.

OR96-2067-B

Date

Received:

2 User Code #: <u>55321</u>	3 Request ID No.: _____	4 Priority Code #: <u>3</u> <small>(If "1" or "2", call ED-SLD Coordinator)</small>
5 Facility Name: <u>Sparton</u>	6 County: <u>Bernalillo</u>	7 City: <u>Albuquerque</u>
9 Sample Location: <u>Sparton, VP-1, 30 Feet</u>		
10 Collected By: <u>Rob Pine</u> On: <u>96/06/25</u> At: <u>1032</u> hrs. <small>First Last Date: (YY/MM/DD) Time: 24 hr. clock 3:00 pm = 1500 hrs.</small>		
11 Codes: <u>418</u> Submitter <u>WSS #</u> Organization _____	12 Latitude (DDMMSS) _____ Longitude (DDMMSS) _____ <small>2 Digit ID (if needed)</small>	
13 Report To: Name <u>Rob Pine</u> Address <u>NMED / Assessment & Abatement Section</u> <u>P.O. Box 26110</u> City, State Zip <u>Santa Fe, NM 87502</u>	14 Phone #: <u>827-0178</u> 15 Sampling Information: Sample Purpose: <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Flow Proportioned <input type="checkbox"/> NMED Monitoring <input type="checkbox"/> Equal Aliquot <input type="checkbox"/> Confirmation <input type="checkbox"/> Sample Split w/Permittee <input type="checkbox"/> Special <input type="checkbox"/> Chain of Custody	
16 Field Data: pH: _____, Conductivity: _____ umhos/cm @ Temperature: _____ °C, Chlorine Residual: _____ mg/l, Flow: _____		
17 Sample Source: <input type="checkbox"/> Stream <input type="checkbox"/> Entry Point to Distribution <input type="checkbox"/> Lake <input type="checkbox"/> Well; Depth: _____ <input type="checkbox"/> Drain <input type="checkbox"/> Spring <input type="checkbox"/> Pool <input type="checkbox"/> Distribution <input type="checkbox"/> WWTP <input type="checkbox"/> Other: _____	18 Field Remarks: <u>Project Code: 515</u>	
19 Sample Type: <input type="checkbox"/> Water <input type="checkbox"/> Unchlorinated <input type="checkbox"/> Wastewater <input type="checkbox"/> Chlorinated <input type="checkbox"/> Soil, <input type="checkbox"/> Food, <input checked="" type="checkbox"/> Other <u>Air</u> This form accompanies a <u>single sample</u> consisting of: _____ septum vial(s) (volume = _____ ml ea.) _____ glass jug(s) (volume = _____ ml ea.) _____ Tedlar bag (volume = _____)	20 Preservation: <input type="checkbox"/> NP No Preservation; Sample stored at room temperature <input type="checkbox"/> P-Ice Sample stored in an ice bath (Not Frozen) <input type="checkbox"/> P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual <input type="checkbox"/> P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml) <input type="checkbox"/> P-HgCl ₂ Sample Preserved with 20 mg/l Mercuric Chloride <input type="checkbox"/> Other _____	

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.

Volatile Screens:

- ☐ - (753) Aliphatic Headspace (Qualitative Screen)
☒ - (754) Aromatic & Halogenated Purgeables (EPA 601/2)
☐ - (765) Mass Spectrometer Purgeables (EPA 624)
☐ - (766) SDWA Total Trihalomethanes (EPA 501.1)
☐ - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2)
☐ - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)
☐ - (790) Composite Sample for Analysis No. _____

Other Specific Compounds or Classes:

- ☐ - () _____
☐ - () _____

Semivolatile Screens:

- ☐ - (755) Base/Neutral Extractables (EPA 625)
☐ - (756) Base/Neutral/Acid Extractables (EPA 8270)
☐ - (772) Carbamate Pesticides (EPA 531.1)
☐ - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1)
☐ - (759) Herbicides, Triazine (EPA 507)
☐ - (751) Hydrocarbon Fuel Screen (EPA M-8015)
☐ - (760) Organochlorine Pesticides (EPA 505)
☐ - (761) Organophosphate Pesticides (EPA 507)
☐ - (767) Polychlorinated Biphenyls (PCB's) in Oil
☐ - (762) SDWA Synthetic Org. Compds. (SLD 758/760)
☐ - (782) Total Petroleum Hydrocarbons (EPA 418.1)

Remarks:

01:11 PM 25 JUN 96

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine

NMED / Assessment & Abatement Sec.

P.O. Box 26110

Santa Fe, New Mexico 87502

SLD No.: OR- 9602068

REQUEST ID No.: 151913

RECEIVED AT SLD: 6/25/96

USER: 55321

SLD COPY

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 11:06

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 20 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED:

N/A

DATE ANALYZED:

6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml):

0.025

ANALYSIS No.: OR-

9602068

SLD BATCH No.:

294a&d

DILUTION FACTOR:

40.00

REQUEST ID No.:

151913

Barometric Pressure During Analysis in mm of Mercury:

636

CAS #	ANALYTE NAME	CONCENTRATION		QUAL.	SDL	
		ug/L (air)	ppm V/V		ug/L	ppm V/V
71-43-2	Benzene			U	200.0	76.4
108-86-1	Bromobenzene			U	200.0	37.9
74-97-5	Bromochloromethane			U	200.0	46.2
75-27-4	Bromodichloromethane*			U	200.0	36.3
75-25-2	Bromoform*			U	200.0	23.5
24-83-9	Bromomethane			U	200.0	62.7
78-93-3	2-Butanone (MEK)			U	2000.0	827.4
104-51-8	n-Butylbenzene			U	200.0	44.5
135-98-8	sec-Butylbenzene			U	200.0	44.5
98-06-6	tert-Butylbenzene			U	200.0	44.5
1634-04-4	tert-Butyl methyl ether (MTBE)			U	2000.0	677.0
56-23-5	Carbon tetrachloride			U	200.0	38.7
108-90-7	Chlorobenzene (monochlorobenzene)			U	200.0	52.7
75-00-3	Chloroethane			U	200.0	91.6
67-66-3	Chloroform*			U	200.0	50.1
74-87-3	Chloromethane			U	200.0	119.1
95-49-8	2-Chlorotoluene			U	200.0	47.3
106-43-4	4-Chlorotoluene			U	200.0	47.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	200.0	25.1
124-48-1	Dibromochloromethane*			U	200.0	28.6
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	200.0	31.7
74-95-3	Dibromomethane			U	200.0	63.4
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	200.0	40.5
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	200.0	40.5
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	200.0	40.5
75-71-8	Dichlorodifluoromethane			U	200.0	49.2
75-34-3	1,1-Dichloroethane			U	200.0	60.2
107-06-2	1,2-Dichloroethane			U	200.0	60.2
75-35-4	1,1-Dichloroethene	1400	410		200.0	61.4
156-59-2	cis-1,2-Dichloroethene			U	200.0	61.4
156-60-5	trans-1,2-Dichloroethene			U	200.0	61.4
78-87-5	1,2-Dichloropropane			U	200.0	52.7
142-28-9	1,3-Dichloropropane			U	200.0	52.7
590-20-7	2,2-Dichloropropane			U	200.0	52.7
563-58-6	1,1-Dichloropropene			U	200.0	53.7
1006-01-5	cis-1,3-Dichloropropene			U	200.0	53.7
1006-02-6	trans-1,3-Dichloropropene			U	200.0	53.7
100-41-4	Ethylbenzene	250	68		200.0	56.2
87-68-3	Hexachlorobutadiene			U	200.0	22.8
98-82-8	Isopropylbenzene			U	200.0	49.6
99-87-6	4-Isopropyltoluene			U	200.0	44.1
75-09-2	Methylene chloride (Dichloromethane)			U	400.0	140.2

91-20-3	Naphthalene			U	200.0	37.7
103-65-1	Propylbenzene			U	200.0	49.6
100-42-5	Styrene			U	200.0	57.3
630-20-6	1,1,1,2-Tetrachloroethane			U	200.0	35.5
79-34-5	1,1,2,2-Tetrachloroethane			U	200.0	35.5
127-18-4	Tetrachloroethene	360	63		200.0	35.9
109-99-9	Tetrahydrofuran (THF)			U	2000.0	827.4
108-88-3	Toluene	7800	2500		200.0	64.8
87-61-5	1,2,3-Trichlorobenzene			U	200.0	32.9
120-82-1	1,2,4-Trichlorobenzene			U	200.0	32.9
71-55-6	1,1,1-Trichloroethane	7600	1700		200.0	44.8
79-00-5	1,1,2-Trichloroethane			U	200.0	44.8
79-01-6	Trichloroethene	22000	4900		200.0	45.5
75-69-4	Trichlorofluoromethane			U	200.0	43.2
96-18-4	1,2,3-Trichloropropane			U	200.0	40.5
95-63-6	1,2,4-Trimethylbenzene			U	200.0	49.6
108-67-8	1,3,5-Trimethylbenzene			U	200.0	49.6
75-01-4	Vinyl chloride			U	200.0	96.1
95-47-6	o-Xylene*	200	54		200.0	56.2
N/A	p- & m-Xylene*	610	168		200.0	56.2
N/A	*Total Xylenes*	810	222		200.0	0.0
ug/L						

LABORATORY BATCH QUALITY CONTROL SUMMARY

SURROGATE	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY
RECOVERIES:	Toluene - D8	19800	99.0%
	4 - Bromofluorobenzene	16700	83.5%
	1,2 - Dichlorobenzene - D4	23000	115.0%
LABORATORY FORTIFIED BLANK RECOVERIES	The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:		
	COMPOUND	TARGET CONC. (ug/L)	% RECOVERY
	2,2-Dichloropropane	50	172%
	2-Butanone	50	79%
	Tetrahydrofuran	200	79%
	Benzene	50	61%
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:		
	COMPOUND	CONCENTRATION (mg/L)	
	No Exceptions		

ANALYST: Patrick Basile

QC APPROVED BY:

Ken Sherrell

KS

DEFINITIONS

**	Concentration Exceeds EPA's allowable Maximum Contamination Level
CAS#	Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
CONC.	Concentration (ug/L) of analyte actually detected in the sample
QUAL	Qualifier of analytical results as follows:
	B Analyte was detected in laboratory blank
	J Analyte was detected at a level below which an accurate quantitation can be given (~5 * SDL)
	U No analyte was detected above the Sample Detection Limit.
SDL	Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
ug/L	Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

ORGANIC CHEMISTRY ANALYTICAL REQUEST FORM

SCIENTIFIC LABORATORY DIVISION

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106

Organic Chemistry Section - Telephone: (505) 841-2570

SLD No.

OR96-2068-B

Date

Received:

2 User Code #: 5,5,3,2,1	3 Request ID No.: 151913-B	4 Priority Code #: 3	(If "1" or "2", call ED-SLD Coordinator)
5 Facility Name: Spanton	6 County: Bernalillo	7 City: Albuquerque	8 State: N.M.
9 Sample Location: Spanton, V.P.-1, 20 Feet			
10 Collected By: Rob Pine		On: 96/06/25	At: 11/06 hrs.
First: [L]a[s]t.....		Date: (YY/MM/DD)	Time: 24 hr. clock 3:00 pm = 1500 hrs.
11 Codes: 4, 1, 8	12 Latitude (DDMMSS)	2 Digit ID (If needed)	
Submitter: WSS # Organization	Longitude (DDMMSS)		
13 Report To: Rob Pine	14 Phone #: 827-0178	15 Sampling Information:	
Address: NMED / Assessment & Abatement Section		Sample Purpose: <input type="checkbox"/> Grab <input type="checkbox"/> Composite (Composite Time Period)	
P.O. Box 26110		<input type="checkbox"/> Compliance <input type="checkbox"/> Flow Proportioned	
City, State Zip: Santa Fe, NM 87502		<input type="checkbox"/> NMED Monitoring <input type="checkbox"/> Equal Aliquot	
		<input type="checkbox"/> Confirmation <input type="checkbox"/> Sample Split w/Permittee	
		<input type="checkbox"/> Special <input type="checkbox"/> Chain of Custody	
16 Field Data: pH: , Conductivity: umhos/cm @ Temperature: °C Chlorine Residual: mg/l, Flow:			
17 Sample Source:		18 Field Remarks:	
<input type="checkbox"/> Stream <input type="checkbox"/> Entry Point to Distribution		Project Code: 515	
<input type="checkbox"/> Lake <input type="checkbox"/> Well; Depth:			
<input type="checkbox"/> Drain <input type="checkbox"/> Spring			
<input type="checkbox"/> Pool <input type="checkbox"/> Distribution			
<input type="checkbox"/> WWTP <input type="checkbox"/> Other:			
19 Sample Type: <input type="checkbox"/> Water <input type="checkbox"/> Unchlorinated		20 Preservation:	
<input type="checkbox"/> Wastewater <input type="checkbox"/> Chlorinated		<input type="checkbox"/> NP No Preservation; Sample stored at room temperature	
<input type="checkbox"/> Soil, <input type="checkbox"/> Food, <input checked="" type="checkbox"/> Other Air		<input type="checkbox"/> P-Ice Sample stored in an ice bath (Not Frozen)	
This form accompanies a single sample consisting of:		<input type="checkbox"/> P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual	
- septum vial(s) (volume = ml ea.)		<input type="checkbox"/> P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)	
- glass jug(s) (volume = ml ea.)		<input type="checkbox"/> P-HgCl ₂ Sample Preserved with 20 mg/l Mercuric Chloride	
- Tedlar bag (volume =)		<input type="checkbox"/> Other	

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.

Volatile Screens:

- ☐ - (753) Aliphatic Headspace (Qualitative Screen)
☒ - (754) Aromatic & Halogenated Purgeables (EPA 601/2)
☐ - (765) Mass Spectrometer Purgeables (EPA 624)
☐ - (766) SDWA Total Trihalomethanes (EPA 501.1)
☐ - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2)
☐ - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)
☐ - (790) Composite Sample for Analysis No. _____

Other Specific Compounds or Classes:

- ☐ - () _____
☐ - () _____

Semivolatile Screens:

- ☐ - (755) Base/Neutral Extractables (EPA 625)
☐ - (756) Base/Neutral/Acid Extractables (EPA 8270)
☐ - (772) Carbamate Pesticides (EPA 531.1)
☐ - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1)
☐ - (759) Herbicides, Triazine (EPA 507)
☐ - (751) Hydrocarbon Fuel Screen (EPA M-8015)
☐ - (760) Organochlorine Pesticides (EPA 505)
☐ - (761) Organophosphate Pesticides (EPA 507)
☐ - (767) Polychlorinated Biphenyls (PCB's) in Oil
☐ - (762) SDWA Synthetic Org. Compds. (SLD 758/760)
☐ - (782) Total Petroleum Hydrocarbons (EPA 418.1)

Remarks:

01:1 Wd SZ NUR 96

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine

NMED / Assessment & Abatement Sec.

P.O. Box 26110

Santa Fe, New Mexico 87502

SLD No.: OR- 9602069

REQUEST ID No.: 151914

RECEIVED AT SLD: 6/25/96

SLD COPY

USER 55321

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 11:28

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 10 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED:

N/A

DATE ANALYZED:

6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml):

0.025

ANALYSIS No.: OR-

9602069

SLD BATCH No.:

294a&d

DILUTION FACTOR:

40.00

REQUEST ID No.:

151914

Barometric Pressure During Analysis in mm of Mercury:

636 mm

CAS #	ANALYTE NAME	CONCENTRATION		QUAL.	SDL	
		ug/L (air)	ppm V/V		ug/L	ppm V/V
71-43-2	Benzene			U	200.0	76.4
108-86-1	Bromobenzene			U	200.0	37.9
74-97-5	Bromochloromethane			U	200.0	46.2
75-27-4	Bromodichloromethane*			U	200.0	36.3
75-25-2	Bromoform*			U	200.0	23.5
24-83-9	Bromomethane			U	200.0	62.7
78-93-3	2-Butanone (MEK)			U	2000.0	827.4
104-51-8	n-Butylbenzene			U	200.0	44.5
135-98-8	sec-Butylbenzene			U	200.0	44.5
98-06-6	tert-Butylbenzene			U	200.0	44.5
1634-04-4	tert-Butyl methyl ether (MTBE)			U	2000.0	677.0
56-23-5	Carbon tetrachloride			U	200.0	38.7
108-90-7	Chlorobenzene (monochlorobenzene)			U	200.0	52.7
75-00-3	Chloroethane			U	200.0	91.6
67-66-3	Chloroform*			U	200.0	50.1
74-87-3	Chloromethane			U	200.0	119.1
95-49-8	2-Chlorotoluene			U	200.0	47.3
106-43-4	4-Chlorotoluene			U	200.0	47.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	200.0	25.1
124-48-1	Dibromochloromethane*			U	200.0	28.6
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	200.0	31.7
74-95-3	Dibromomethane			U	200.0	63.4
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	200.0	40.5
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	200.0	40.5
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	200.0	40.5
75-71-8	Dichlorodifluoromethane			U	200.0	49.2
75-34-3	1,1-Dichloroethane			U	200.0	60.2
107-06-2	1,2-Dichloroethane			U	200.0	60.2
75-35-4	1,1-Dichloroethene	1100	340		200.0	61.4
156-59-2	cis-1,2-Dichloroethene			U	200.0	61.4
156-60-5	trans-1,2-Dichloroethene			U	200.0	61.4
78-87-5	1,2-Dichloropropane			U	200.0	52.7
142-28-9	1,3-Dichloropropane			U	200.0	52.7
590-20-7	2,2-Dichloropropane			U	200.0	52.7
563-58-6	1,1-Dichloropropene			U	200.0	53.7
1006-01-5	cis-1,3-Dichloropropene			U	200.0	53.7
1006-02-6	trans-1,3-Dichloropropene			U	200.0	53.7
100-41-4	Ethylbenzene	300	83		200.0	56.2
87-68-3	Hexachlorobutadiene			U	200.0	22.8
98-82-8	Isopropylbenzene			U	200.0	49.6
99-87-6	4-Isopropyltoluene			U	200.0	44.1
75-09-2	Methylene chloride (Dichloromethane)			U	400.0	140.2

91-20-3	Naphthalene			U	200.0	37.7
103-65-1	Propylbenzene			U	200.0	49.6
100-42-5	Styrene			U	200.0	57.3
630-20-6	1,1,1,2-Tetrachloroethane			U	200.0	35.5
79-34-5	1,1,2,2-Tetrachloroethane			U	200.0	35.5
127-18-4	Tetrachloroethene	310	54		200.0	35.9
109-99-9	Tetrahydrofuran (THF)			U	2000.0	827.4
108-88-3	Toluene	2100	660		200.0	64.8
87-61-5	1,2,3-Trichlorobenzene			U	200.0	32.9
120-82-1	1,2,4-Trichlorobenzene			U	200.0	32.9
71-55-6	1,1,1-Trichloroethane	6000	1300		200.0	44.8
79-00-5	1,1,2-Trichloroethane			U	200.0	44.8
79-01-6	Trichloroethene	19000	4300		200.0	45.5
75-69-4	Trichlorofluoromethane			U	200.0	43.2
96-18-4	1,2,3-Trichloropropane			U	200.0	40.5
95-63-6	1,2,4-Trimethylbenzene			U	200.0	49.6
108-67-8	1,3,5-Trimethylbenzene			U	200.0	49.6
75-01-4	Vinyl chloride			U	200.0	96.1
95-47-6	o-Xylene*	250	69		200.0	56.2
N/A	p- & m-Xylene*	170	46	J	200.0	56.2
N/A	*Total Xylenes*	420	115		200.0	0.0
ug/L						

LABORATORY BATCH QUALITY CONTROL SUMMARY

SURROGATE	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY
RECOVERIES:	Toluene - D8	19400	97.0%
	4 - Bromofluorobenzene	16800	84.0%
	1,2 - Dichlorobenzene - D4	22600	113.0%
LABORATORY FORTIFIED BLANK RECOVERIES	The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:		
	COMPOUND	TARGET CONC. (ug/L)	% RECOVERY
	2,2-Dichloropropane	50	172%
	2-Butanone	50	79%
	Tetrahydrofuran	200	79%
	Benzene	50	61%
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:		
	COMPOUND	CONCENTRATION (mg/L)	
	No Exceptions		

ANALYST: Patrick Basile

QC APPROVED BY: Ken Sherrell



DEFINITIONS

**	Concentration Exceeds EPA's allowable Maximum Contamination Level
CAS#	Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
CONC.	Concentration (ug/L) of analyte actually detected in the sample
QUAL	Qualifier of analytical results as follows:
	B Analyte was detected in laboratory blank
	J Analyte was detected at a level below which an accurate quantitation can be given (~5 * SDL)
	U No analyte was detected above the Sample Detection Limit.
SDL	Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
ug/L	Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

ORGANIC CHEMISTRY ANALYTICAL REQUEST FORM

SCIENTIFIC LABORATORY DIVISION

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106

Organic Chemistry Section - Telephone: (505) 841-2570

SLD No.

OR96-2069-B

Date

Received:

2 User Code #: <u>5,5,3,2,1</u>	3 Request ID No.: _____	Request ID No. 151914-B		
5 Facility Name: <u>Sparton</u>	6 County: <u>Bernalillo</u>	7 City: <u>Albuquerque</u>		
9 Sample Location: <u>Sparton, V.P.-1, 10 feet</u>				
10 Collected By: <u>Rob Pine</u> On: <u>96/06/25</u> At: <u>11/12/8</u> hrs. First [L]a[s]t [t]ime [m]in [s]econds Date: (YY/MM/DD) Time: 24 hr. clock 3:00 pm = 1500 hrs.				
11 Codes: <u>4, 1, 8</u> Submitter WSS # Organization	12 Latitude (DDMMSS) _____ Longitude (DDMMSS) _____ 2 Digit ID (if needed) _____			
13 Report To: Name <u>Rob Pine</u> Address <u>NMED / Assessment & Abatement Section</u> <u>P.O. Box 26110</u> City, State Zip <u>Santa Fe, NM 87502</u>	14 Phone #: <u>827-0178</u> 15 Sampling Information: Sample Purpose: <input type="checkbox"/> Grab <input type="checkbox"/> Composite (Composite Time Period) <input type="checkbox"/> Compliance <input type="checkbox"/> Flow Proportioned <input type="checkbox"/> NMED Monitoring <input type="checkbox"/> Equal Aliquot <input type="checkbox"/> Confirmation <input type="checkbox"/> Sample Split w/Permittee <input type="checkbox"/> Special <input type="checkbox"/> Chain of Custody			
16 Field Data: pH: _____, Conductivity: _____ umhos/cm @ Temperature: _____ °C, Chlorine Residual: _____ mg/l, Flow: _____				
17 Sample Source: <input type="checkbox"/> -Stream <input type="checkbox"/> -Entry Point to Distribution <input type="checkbox"/> -Lake <input type="checkbox"/> -Well; Depth: _____ <input type="checkbox"/> -Drain <input type="checkbox"/> -Spring <input type="checkbox"/> -Pool <input type="checkbox"/> -Distribution <input type="checkbox"/> -WWTP <input type="checkbox"/> -Other: _____	18 Field Remarks: <u>Project Code: 515</u>			
19 Sample Type: <input type="checkbox"/> - Water <input type="checkbox"/> - Unchlorinated <input type="checkbox"/> - Wastewater <input type="checkbox"/> - Chlorinated <input type="checkbox"/> - Soil, <input type="checkbox"/> - Food, <input checked="" type="checkbox"/> - Other: <u>Air</u> This form accompanies a <u>single sample</u> consisting of: - septum vial(s) (volume = _____ ml ea.) - glass jug(s) (volume = _____ ml ea.) - <u>redlar bag</u> (volume = _____)	20 Preservation: <input type="checkbox"/> - NP No Preservation; Sample stored at room temperature <input type="checkbox"/> - P-Ice Sample stored in an ice bath (Not Frozen) <input type="checkbox"/> - P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual <input type="checkbox"/> - P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml) <input type="checkbox"/> - P-HgCl ₂ Sample Preserved with 20 mg/l Mercuric Chloride <input type="checkbox"/> - Other _____			
21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.				
<table style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> Volatile Screens: <input type="checkbox"/> - (753) Aliphatic Headspace (Qualitative Screen) <input checked="" type="checkbox"/> - (754) Aromatic & Halogenated Purgeables (EPA 601/2) <input type="checkbox"/> - (765) Mass Spectrometer Purgeables (EPA 624) <input type="checkbox"/> - (766) SDWA Total Trihalomethanes (EPA 501.1) <input type="checkbox"/> - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2) <input type="checkbox"/> - (775) SDWA VOC's II [EDB & DBCP] (EPA 504) <input type="checkbox"/> - (790) Composite Sample for Analysis No. _____ Other Specific Compounds or Classes: <input type="checkbox"/> - () _____ <input type="checkbox"/> - () _____ </td> <td style="width:50%; vertical-align: top;"> Semivolatile Screens: <input type="checkbox"/> - (755) Base/Neutral Extractables (EPA 625) <input type="checkbox"/> - (756) Base/Neutral/Acid Extractables (EPA 8270) <input type="checkbox"/> - (772) Carbamate Pesticides (EPA 531.1) <input type="checkbox"/> - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1) <input type="checkbox"/> - (759) Herbicides, Triazine (EPA 507) <input type="checkbox"/> - (751) Hydrocarbon Fuel Screen (EPA M-8015) <input type="checkbox"/> - (760) Organochlorine Pesticides (EPA 505) <input type="checkbox"/> - (761) Organophosphate Pesticides (EPA 507) <input type="checkbox"/> - (767) Polychlorinated Biphenyls (PCB's) in Oil <input type="checkbox"/> - (762) SDWA Synthetic Org. Compds. (SLD 758/760) <input type="checkbox"/> - (782) Total Petroleum Hydrocarbons (EPA 418.1) </td> </tr> </table>			Volatile Screens: <input type="checkbox"/> - (753) Aliphatic Headspace (Qualitative Screen) <input checked="" type="checkbox"/> - (754) Aromatic & Halogenated Purgeables (EPA 601/2) <input type="checkbox"/> - (765) Mass Spectrometer Purgeables (EPA 624) <input type="checkbox"/> - (766) SDWA Total Trihalomethanes (EPA 501.1) <input type="checkbox"/> - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2) <input type="checkbox"/> - (775) SDWA VOC's II [EDB & DBCP] (EPA 504) <input type="checkbox"/> - (790) Composite Sample for Analysis No. _____ Other Specific Compounds or Classes: <input type="checkbox"/> - () _____ <input type="checkbox"/> - () _____	Semivolatile Screens: <input type="checkbox"/> - (755) Base/Neutral Extractables (EPA 625) <input type="checkbox"/> - (756) Base/Neutral/Acid Extractables (EPA 8270) <input type="checkbox"/> - (772) Carbamate Pesticides (EPA 531.1) <input type="checkbox"/> - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1) <input type="checkbox"/> - (759) Herbicides, Triazine (EPA 507) <input type="checkbox"/> - (751) Hydrocarbon Fuel Screen (EPA M-8015) <input type="checkbox"/> - (760) Organochlorine Pesticides (EPA 505) <input type="checkbox"/> - (761) Organophosphate Pesticides (EPA 507) <input type="checkbox"/> - (767) Polychlorinated Biphenyls (PCB's) in Oil <input type="checkbox"/> - (762) SDWA Synthetic Org. Compds. (SLD 758/760) <input type="checkbox"/> - (782) Total Petroleum Hydrocarbons (EPA 418.1)
Volatile Screens: <input type="checkbox"/> - (753) Aliphatic Headspace (Qualitative Screen) <input checked="" type="checkbox"/> - (754) Aromatic & Halogenated Purgeables (EPA 601/2) <input type="checkbox"/> - (765) Mass Spectrometer Purgeables (EPA 624) <input type="checkbox"/> - (766) SDWA Total Trihalomethanes (EPA 501.1) <input type="checkbox"/> - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2) <input type="checkbox"/> - (775) SDWA VOC's II [EDB & DBCP] (EPA 504) <input type="checkbox"/> - (790) Composite Sample for Analysis No. _____ Other Specific Compounds or Classes: <input type="checkbox"/> - () _____ <input type="checkbox"/> - () _____	Semivolatile Screens: <input type="checkbox"/> - (755) Base/Neutral Extractables (EPA 625) <input type="checkbox"/> - (756) Base/Neutral/Acid Extractables (EPA 8270) <input type="checkbox"/> - (772) Carbamate Pesticides (EPA 531.1) <input type="checkbox"/> - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1) <input type="checkbox"/> - (759) Herbicides, Triazine (EPA 507) <input type="checkbox"/> - (751) Hydrocarbon Fuel Screen (EPA M-8015) <input type="checkbox"/> - (760) Organochlorine Pesticides (EPA 505) <input type="checkbox"/> - (761) Organophosphate Pesticides (EPA 507) <input type="checkbox"/> - (767) Polychlorinated Biphenyls (PCB's) in Oil <input type="checkbox"/> - (762) SDWA Synthetic Org. Compds. (SLD 758/760) <input type="checkbox"/> - (782) Total Petroleum Hydrocarbons (EPA 418.1)			
Remarks: <u>01:1 Hd SZ NR 96</u>				

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine

NMED / Assessment & Abatement Sec.

P.O. Box 26110

Santa Fe, New Mexico 87502

SLD No.: OR- 9602068

REQUEST ID No.: 151913

RECEIVED AT SLD: 6/25/96

SLD COPY

USER 55321

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 11:06

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 20 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED: N/A

DATE ANALYZED: 6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml): 0.025

ANALYSIS No.: OR- 9602068

SLD BATCH No.: 294a&d

DILUTION FACTOR: 40.00

REQUEST ID No.: 151913

Barometric Pressure During Analysis in mm of Mercury:

636

CAS #	ANALYTE NAME	CONCENTRATION		QUAL	SDL	
		ug/L (air)	ppm V/V		ug/L	ppm V/V
71-43-2	Benzene			U	200.0	76.4
108-86-1	Bromobenzene			U	200.0	37.9
74-97-5	Bromochloromethane			U	200.0	46.2
75-27-4	Bromodichloromethane*			U	200.0	36.3
75-25-2	Bromoform*			U	200.0	23.5
24-83-9	Bromomethane			U	200.0	62.7
78-93-3	2-Butanone (MEK)			U	2000.0	827.4
104-51-8	n-Butylbenzene			U	200.0	44.5
135-98-8	sec-Butylbenzene			U	200.0	44.5
98-06-6	tert-Butylbenzene			U	200.0	44.5
1634-04-4	tert-Butyl methyl ether (MTBE)			U	2000.0	677.0
56-23-5	Carbon tetrachloride			U	200.0	38.7
108-90-7	Chlorobenzene (monochlorobenzene)			U	200.0	52.7
75-00-3	Chloroethane			U	200.0	91.6
67-66-3	Chloroform*			U	200.0	50.1
74-87-3	Chloromethane			U	200.0	119.1
95-49-8	2-Chlorotoluene			U	200.0	47.3
106-43-4	4-Chlorotoluene			U	200.0	47.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	200.0	25.1
124-48-1	Dibromochloromethane*			U	200.0	28.6
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	200.0	31.7
74-95-3	Dibromomethane			U	200.0	63.4
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	200.0	40.5
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	200.0	40.5
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	200.0	40.5
75-71-8	Dichlorodifluoromethane			U	200.0	49.2
75-34-3	1,1-Dichloroethane			U	200.0	60.2
107-06-2	1,2-Dichloroethane			U	200.0	60.2
75-35-4	1,1-Dichloroethene	1400	410		200.0	61.4
156-59-2	cis-1,2-Dichloroethene			U	200.0	61.4
156-60-5	trans-1,2-Dichloroethene			U	200.0	61.4
78-87-5	1,2-Dichloropropane			U	200.0	52.7
142-28-9	1,3-Dichloropropane			U	200.0	52.7
590-20-7	2,2-Dichloropropane			U	200.0	52.7
563-58-6	1,1-Dichloropropene			U	200.0	53.7
1006-01-5	cis-1,3-Dichloropropene			U	200.0	53.7
1006-02-6	trans-1,3-Dichloropropene			U	200.0	53.7
100-41-4	Ethylbenzene	250	68		200.0	56.2
87-58-3	Hexachlorobutadiene			U	200.0	22.8
98-82-8	Isopropylbenzene			U	200.0	49.6
99-87-6	4-Isopropyltoluene			U	200.0	44.1
75-09-2	Methylene chloride (Dichloromethane)			U	400.0	140.2

91-20-3	Naphthalene			U	200.0	37.7
103-65-1	Propylbenzene			U	200.0	49.6
100-42-5	Styrene			U	200.0	57.3
630-20-6	1,1,1,2-Tetrachloroethane			U	200.0	35.5
79-34-5	1,1,2,2-Tetrachloroethane			U	200.0	35.5
127-18-4	Tetrachloroethene	360	63		200.0	35.9
109-99-9	Tetrahydrofuran (THF)			U	2000.0	827.4
108-88-3	Toluene	7800	2500		200.0	64.8
87-61-5	1,2,3-Trichlorobenzene			U	200.0	32.9
120-82-1	1,2,4-Trichlorobenzene			U	200.0	32.9
71-55-6	1,1,1-Trichloroethane	7600	1700		200.0	44.8
79-00-5	1,1,2-Trichloroethane			U	200.0	44.8
79-01-6	Trichloroethene	22000	4900		200.0	45.5
75-69-4	Trichlorofluoromethane			U	200.0	43.2
96-18-4	1,2,3-Trichloropropane			U	200.0	40.5
95-63-6	1,2,4-Trimethylbenzene			U	200.0	49.6
108-67-8	1,3,5-Trimethylbenzene			U	200.0	49.6
75-01-4	Vinyl chloride			U	200.0	96.1
95-47-6	o-Xylene	200	54		200.0	56.2
N/A	p- & m-Xylene	610	168		200.0	56.2
N/A	Total Xylenes	810	222		200.0	0.0
ug/L						

LABORATORY BATCH QUALITY CONTROL SUMMARY

SURROGATE RECOVERIES:	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY
	Toluene - D8	19800	99.0%
	4 - Bromofluorobenzene	16700	83.5%
	1,2 - Dichlorobenzene - D4	23000	115.0%

LABORATORY FORTIFIED BLANK RECOVERIES	The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:		
	COMPOUND	TARGET CONC. (ug/L)	% RECOVERY
	2,2-Dichloropropane	50	172%
	2-Butanone	50	79%
	Tetrahydrofuran	200	79%
	Benzene	50	61%

LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:	
	COMPOUND	CONCENTRATION (mg/L)
	No Exceptions	

ANALYST: Patrick Basile

QC APPROVED BY: Ken Sherrell

DEFINITIONS

**	Concentration Exceeds EPA's allowable Maximum Contamination Level
CAS#	Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
CONC.	Concentration (ug/L) of analyte actually detected in the sample
QUAL	Qualifier of analytical results as follows:
	B Analyte was detected in laboratory blank
	J Analyte was detected at a level below which an accurate quantitation can be given (~5 * SDL)
	U No analyte was detected above the Sample Detection Limit.
SDL	Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
ug/L	Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

ORGANIC CHEMISTRY ANALYTICAL REQUEST FORM

SCIENTIFIC LABORATORY DIVISION

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106

Organic Chemistry Section - Telephone: (505) 841-2570

SLD No.

OR96-2068-B

Date

Received:

2 User Code #: 5,5,3,2,1	3 Request ID No.: 151913-B	4 Priority Code #: 3	5 Facility Name: Sparton	6 County: Bernalillo	7 City: Albuquerque	8 State: N.M.
9 Sample Location: Sparton, V.P.-1, 2.0, Feet						
10 Collected By: Rob Pine On: 96/06/25 At: 11:06 hrs.						
11 Codes: 4, 1, 8 Submitter WSS # Organization						
12 Latitude (DDMMSS) Longitude (DDMMSS) 2 Digit ID (if needed)						
13 Report To: Rob Pine 14 Phone #: 827-0178						
Address: NMED / Assessment & Abatement Section						
P.O. Box 26110						
City, State Zip: Santa Fe, NM 87502						
15 Sampling Information: Sample Purpose: <input type="checkbox"/> - Grab <input type="checkbox"/> - Composite <input type="checkbox"/> - Compliance <input type="checkbox"/> - Flow Proportioned <input type="checkbox"/> - NMED Monitoring <input type="checkbox"/> - Equal Aliquot <input type="checkbox"/> - Confirmation <input type="checkbox"/> - Sample Split w/Permittee <input type="checkbox"/> - Special <input type="checkbox"/> - Chain of Custody						

16 Field Data: pH: , Conductivity: umhos/cm @ Temperature: °C Chlorine Residual: mg/l, Flow:	17 Sample Source: <input type="checkbox"/> - Stream <input type="checkbox"/> - Lake <input type="checkbox"/> - Drain <input type="checkbox"/> - Pool <input type="checkbox"/> - WWTP <input type="checkbox"/> - Entry Point to Distribution <input type="checkbox"/> - Well; Depth: <input type="checkbox"/> - Spring <input type="checkbox"/> - Distribution <input type="checkbox"/> - Other:	18 Field Remarks: Project Code: 515	
19 Sample Type: <input type="checkbox"/> - Water <input type="checkbox"/> - Wastewater <input type="checkbox"/> - Soil <input type="checkbox"/> - Food <input type="checkbox"/> - Other: Air <input type="checkbox"/> - Unchlorinated <input type="checkbox"/> - Chlorinated			20 Preservation: <input type="checkbox"/> - NP No Preservation; Sample stored at room temperature <input type="checkbox"/> - P-Ice Sample stored in an ice bath (Not Frozen) <input type="checkbox"/> - P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual <input type="checkbox"/> - P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml) <input type="checkbox"/> - P-HgCl ₂ Sample Preserved with 20 mg/l Mercuric Chloride <input type="checkbox"/> - Other

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.

Volatile Screens: <ul style="list-style-type: none"><input type="checkbox"/> - (753) Aliphatic Headspace (Qualitative Screen)<input checked="" type="checkbox"/> - (754) Aromatic & Halogenated Purgeables (EPA 601/2)<input type="checkbox"/> - (765) Mass Spectrometer Purgeables (EPA 624)<input type="checkbox"/> - (766) SDWA Total Trihalomethanes (EPA 501.1)<input type="checkbox"/> - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2)<input type="checkbox"/> - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)<input type="checkbox"/> - (790) Composite Sample for Analysis No. _____	Semivolatile Screens: <ul style="list-style-type: none"><input type="checkbox"/> - (755) Base/Neutral Extractables (EPA 625)<input type="checkbox"/> - (756) Base/Neutral/Acid Extractables (EPA 8270)<input type="checkbox"/> - (772) Carbamate Pesticides (EPA 531.1)<input type="checkbox"/> - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1)<input type="checkbox"/> - (759) Herbicides, Triazine (EPA 507)<input type="checkbox"/> - (751) Hydrocarbon Fuel Screen (EPA M-8015)<input type="checkbox"/> - (760) Organochlorine Pesticides (EPA 505)<input type="checkbox"/> - (761) Organophosphate Pesticides (EPA 507)<input type="checkbox"/> - (767) Polychlorinated Biphenyls (PCB's) in Oil<input type="checkbox"/> - (762) SDWA Synthetic Org. Compds. (SLD 758/760)<input type="checkbox"/> - (782) Total Petroleum Hydrocarbons (EPA 418.1)
--	--

Other Specific Compounds or Classes:

☐ - ()

☐ - ()

Remarks:

01:1 Wd 52 NDC 96

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine

NMED / Assessment & Abatement Sec.

P.O. Box 26110

Santa Fe, New Mexico 87502

SLD No.: OR- 9602067

REQUEST ID No.: 151912

RECEIVED AT SLD: 6/25/96

SLD COPY

USER: 55321

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 10:32

BY: Pine

SAMPLING LOCATION: Sparto VP-1 @ 30 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED:

N/A

DATE ANALYZED: 6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml):

0.025

ANALYSIS No.: OR- 9602067

SLD BATCH No.: 294b&d

DILUTION FACTOR: 40.00

REQUEST ID No.: 151912

Barometric Pressure During Analysis in mm of Mercury:

636

CAS #	ANALYTE NAME	CONCENTRATION		QUAL.	SDL	
		uG/L (air)	ppm V/V		uG/L	ppm V/V
71-43-2	Benzene			U	200.0	76.4
108-86-1	Bromobenzene			U	200.0	37.9
74-97-5	Bromochloromethane			U	200.0	46.2
75-27-4	Bromodichloromethane*			U	200.0	36.3
75-25-2	Bromoform*			U	200.0	23.5
24-83-9	Bromomethane			U	200.0	62.7
78-93-3	2-Butanone (MEK)			U	2000.0	827.4
104-51-8	n-Butylbenzene			U	200.0	44.5
135-98-8	sec-Butylbenzene			U	200.0	44.5
98-06-6	tert-Butylbenzene			U	200.0	44.5
1634-04-4	tert-Butyl methyl ether (MTBE)			U	2000.0	677.0
56-23-5	Carbon tetrachloride			U	200.0	38.7
108-90-7	Chlorobenzene (monochlorobenzene)			U	200.0	52.7
75-00-3	Chloroethane			U	200.0	91.6
67-66-3	Chloroform*			U	200.0	50.1
74-87-3	Chloromethane			U	200.0	119.1
95-49-8	2-Chlorotoluene			U	200.0	47.3
106-43-4	4-Chlorotoluene			U	200.0	47.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	200.0	25.1
124-48-1	Dibromochloromethane*			U	200.0	28.6
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	200.0	31.7
74-95-3	Dibromomethane			U	200.0	63.4
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	200.0	40.5
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	200.0	40.5
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	200.0	40.5
75-71-8	Dichlorodifluoromethane			U	200.0	49.2
75-34-3	1,1-Dichloroethane			U	200.0	60.2
107-06-2	1,2-Dichloroethane			U	200.0	60.2
75-35-4	1,1-Dichloroethene	1900	580		200.0	61.4
156-59-2	cis-1,2-Dichloroethene			U	200.0	61.4
156-60-5	trans-1,2-Dichloroethene			U	200.0	61.4
78-87-5	1,2-Dichloropropane			U	200.0	52.7
142-28-9	1,3-Dichloropropane			U	200.0	52.7
590-20-7	2,2-Dichloropropane			U	200.0	52.7
563-58-6	1,1-Dichloropropene			U	200.0	53.7
1006-01-5	cis-1,3-Dichloropropene			U	200.0	53.7
1006-02-6	trans-1,3-Dichloropropene			U	200.0	53.7
100-41-4	Ethylbenzene	170	48	J	200.0	56.2
87-68-3	Hexachlorobutadiene			U	200.0	22.8
98-82-8	Isopropylbenzene			U	200.0	49.6
99-87-6	4-Isopropyltoluene			U	200.0	44.1
75-09-2	Methylene chloride (Dichloromethane)			U	400.0	140.2

ORGANIC CHEMISTRY ANALYTICAL REQUEST FORM

SCIENTIFIC LABORATORY DIVISION

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106

Organic Chemistry Section - Telephone: (505) 841-2570

SLD No.

OR96-2067-B

Date

Received:

Request |||||
ID No. 151912-B

2 User Code #: 5,5,3,2,1	3 Request ID No.:	4 Priority Code #: 3	(If "1" or "2", call ED-SLD Coordinator)
5 Facility Name: Sparton	6 County: Bernalillo	7 City: Albuquerque	8 State: N, M
9 Sample Location: Sparton, V.P.-1, 30 Feet			
10 Collected By: Rob Pine		On: 96/06/25	At: 1032 hrs.
First: [L]a[s]t.....		Date: (YY/MM/DD)	Time: 24 hr. clock 3:00 pm = 1500 hrs.
11 Codes: 4, 1, 8		12 Latitude (DDMMSS)	
Submitter WSS # Organization		Longitude (DDMMSS)	
13 Report To: Rob Pine		14 Phone #: 827-0178	
Address: NMED / Assessment & Abatement Section		15 Sampling Information:	
P.O. Box 26110		Sample Purpose: <input type="checkbox"/> - Grab <input type="checkbox"/> - Composite (Composite Time Period)	
City, State Zip: Santa Fe, NM 87502		<input type="checkbox"/> - Compliance <input type="checkbox"/> - Flow Proportioned	
		<input type="checkbox"/> - NMED Monitoring <input type="checkbox"/> - Equal Aliquot	
		<input type="checkbox"/> - Confirmation <input type="checkbox"/> - Sample Split w/Permittee	
		<input type="checkbox"/> - Special <input type="checkbox"/> - Chain of Custody	

16 Field Data: pH: , Conductivity: umhos/cm @ Temperature: °C	Chlorine Residual: mg/l, Flow:
17 Sample Source: <input type="checkbox"/> - Stream <input type="checkbox"/> - Entry Point to Distribution <input type="checkbox"/> - Lake <input type="checkbox"/> - Well; Depth: <input type="checkbox"/> - Drain <input type="checkbox"/> - Spring <input type="checkbox"/> - Pool <input type="checkbox"/> - Distribution <input type="checkbox"/> - WWTP <input type="checkbox"/> - Other:	18 Field Remarks: Project Code: 515
19 Sample Type: <input type="checkbox"/> - Water <input type="checkbox"/> - Unchlorinated <input type="checkbox"/> - Wastewater <input type="checkbox"/> - Chlorinated <input type="checkbox"/> - Soil, <input type="checkbox"/> - Food, <input checked="" type="checkbox"/> - Other Air	20 Preservation: <input type="checkbox"/> - NP No Preservation; Sample stored at room temperature <input type="checkbox"/> - P-Ice Sample stored in an ice bath (Not Frozen) <input type="checkbox"/> - P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual <input type="checkbox"/> - P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml) <input type="checkbox"/> - P-HgCl ₂ Sample Preserved with 20 mg/l Mercuric Chloride <input type="checkbox"/> - Other
This form accompanies a <u>single sample</u> consisting of: - septum vial(s) (volume = ml ea.) - glass jug(s) (volume = ml ea.) - Tedlar bag (volume =)	

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.

Volatile Screens:

- ☐ - (753) Aliphatic Headspace (Qualitative Screen)
☒ - (754) Aromatic & Halogenated Purgeables (EPA 601/2)
☐ - (765) Mass Spectrometer Purgeables (EPA 624)
☐ - (766) SDWA Total Trihalomethanes (EPA 501.1)
☐ - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2)
☐ - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)
☐ - (790) Composite Sample for Analysis No. _____

Other Specific Compounds or Classes:

- ☐ - ()
☐ - ()

Semivolatile Screens:

- ☐ - (755) Base/Neutral Extractables (EPA 625)
☐ - (756) Base/Neutral/Acid Extractables (EPA 8270)
☐ - (772) Carbamate Pesticides (EPA 531.1)
☐ - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1)
☐ - (759) Herbicides, Triazine (EPA 507)
☐ - (751) Hydrocarbon Fuel Screen (EPA M-8015)
☐ - (760) Organochlorine Pesticides (EPA 505)
☐ - (761) Organophosphate Pesticides (EPA 507)
☐ - (767) Polychlorinated Biphenyls (PCB's) in Oil
☐ - (762) SDWA Synthetic Org. Compds. (SLD 758/760)
☐ - (782) Total Petroleum Hydrocarbons (EPA 418.1)

Remarks:

01:11 PM 25 JUN 96

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine

NMED / Assessment & Abatement Sec.

P.O. Box 26110

Santa Fe, New Mexico 87502

SLD No.: OR- 9602066

REQUEST ID No.: 151911

RECEIVED AT SLD: 6/25/96

SLD COPY

USER 55321

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 9:50

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 40 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED:

N/A

DATE ANALYZED: 6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml): 0.025

ANALYSIS No.: OR- 9602066

SLD BATCH No.: 294a&b&d

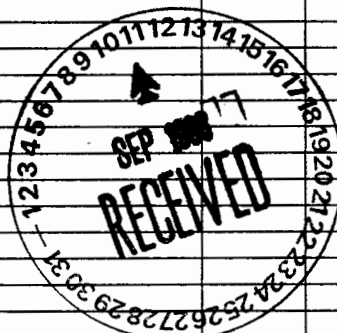
DILUTION FACTOR: 40.00

REQUEST ID No.: 151911

Barometric Pressure During Analysis in mm of Mercury:

636

CAS #	ANALYTE NAME	CONCENTRATION		QUAL	SDL	
		ug/L (air)	ppm V/V		ug/L	ppm V/V
71-43-2	Benzene			U	200.0	76.4
108-86-1	Bromobenzene			U	200.0	37.9
74-97-5	Bromochloromethane			U	200.0	46.2
75-27-4	Bromodichloromethane*			U	200.0	36.3
75-25-2	Bromoform*			U	200.0	23.5
24-83-9	Bromomethane			U	200.0	62.7
78-93-3	2-Butanone (MEK)			U	2000.0	827.4
104-51-8	n-Butylbenzene			U	200.0	44.5
135-98-8	sec-Butylbenzene			U	200.0	44.5
98-06-6	tert-Butylbenzene			U	200.0	44.5
1634-04-4	tert-Butyl methyl ether (MTBE)			U	2000.0	677.0
56-23-5	Carbon tetrachloride			U	200.0	38.7
108-90-7	Chlorobenzene (monochlorobenzene)			U	200.0	52.7
75-00-3	Chloroethane			U	200.0	91.6
67-66-3	Chloroform*			U	200.0	50.1
74-87-3	Chloromethane			U	200.0	119.1
95-49-8	2-Chlorotoluene			U	200.0	47.3
106-43-4	4-Chlorotoluene			U	200.0	47.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	200.0	25.1
124-48-1	Dibromochloromethane*			U	200.0	28.6
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	200.0	31.7
74-95-3	Dibromomethane			U	200.0	63.4
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	200.0	40.5
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	200.0	40.5
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	200.0	40.5
75-71-8	Dichlorodifluoromethane			U	200.0	49.2
75-34-3	1,1-Dichloroethane			U	200.0	60.2
107-06-2	1,2-Dichloroethane			U	200.0	60.2
75-35-4	1,1-Dichloroethene	1500	460		200.0	61.4
156-59-2	cis-1,2-Dichloroethene			U	200.0	61.4
156-60-5	trans-1,2-Dichloroethene			U	200.0	61.4
78-87-5	1,2-Dichloropropane			U	200.0	52.7
142-28-9	1,3-Dichloropropane			U	200.0	52.7
590-20-7	2,2-Dichloropropane			U	200.0	52.7
563-58-6	1,1-Dichloropropene			U	200.0	53.7
1006-01-5	cis-1,3-Dichloropropene			U	200.0	53.7
1006-02-6	trans-1,3-Dichloropropene			U	200.0	53.7
100-41-4	Ethylbenzene	47	13	J	200.0	56.2
87-68-3	Hexachlorobutadiene			U	200.0	22.8
98-82-8	Isopropylbenzene			U	200.0	49.6
99-87-6	4-Isopropyltoluene			U	200.0	44.1
75-09-2	Methylene chloride (Dichloromethane)			U	400.0	140.2



91-20-3	Naphthalene			U	200.0	37.7
103-65-1	Propylbenzene			U	200.0	49.6
100-42-5	Styrene			U	200.0	57.3
630-20-6	1,1,1,2-Tetrachloroethane			U	200.0	35.5
79-34-5	1,1,2,2-Tetrachloroethane			U	200.0	35.5
127-18-4	Tetrachloroethene	210	38		200.0	35.9
109-99-9	Tetrahydrofuran (THF)			U	2000.0	827.4
108-88-3	Toluene	103	33	J	200.0	64.8
87-61-5	1,2,3-Trichlorobenzene			U	200.0	32.9
120-82-1	1,2,4-Trichlorobenzene			U	200.0	32.9
71-55-6	1,1,1-Trichloroethane	6600	1500		200.0	44.8
79-00-5	1,1,2-Trichloroethane			U	200.0	44.8
79-01-6	Trichloroethene	22000	5000		200.0	45.5
75-69-4	Trichlorofluoromethane			U	200.0	43.2
96-18-4	1,2,3-Trichloropropane			U	200.0	40.5
95-63-6	1,2,4-Trimethylbenzene			U	200.0	49.6
108-67-8	1,3,5-Trimethylbenzene			U	200.0	49.6
75-01-4	Vinyl chloride			U	200.0	96.1
95-47-6	o-Xylene*			U	200.0	56.2
N/A	p- & m-Xylene*	70	19	J	200.0	56.2
N/A	*Total Xylenes*	70	19	J	200.0	0.0
ug/L						

LABORATORY BATCH QUALITY CONTROL SUMMARY

SURROGATE RECOVERIES:	SURROGATE COMPOUNDS	CONCENTRATION (ug/L)	% RECOVERY
	Toluene - D8	19100	95.5%
	4 - Bromofluorobenzene	18300	91.5%
	1,2 - Dichlorobenzene - D4	23100	115.5%
LABORATORY FORTIFIED BLANK RECOVERIES	The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:		
	COMPOUND	TARGET CONC. (ug/L)	% RECOVERY
	2,2-Dichloropropane	50	172%
	2-Butanone	50	79%
	Tetrahydrofuran	200	79%
	Benzene	50	61%
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:		
	COMPOUND	CONCENTRATION (mg/L)	
	No Exceptions		

ANALYST:

Patrick Basile

QC APPROVED BY:

Ken Sherrell

DEFINITIONS

**	Concentration Exceeds EPA's allowable Maximum Contamination Level
CAS#	Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
CONC.	Concentration (ug/L) of analyte actually detected in the sample
QUAL	Qualifier of analytical results as follows:
	B Analyte was detected in laboratory blank
	J Analyte was detected at a level below which an accurate quantitation can be given (-5 * SDL)
	U No analyte was detected above the Sample Detection Limit.
SDL	Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
ug/L	Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine

NMED / Assessment & Abatement Sec.

P.O. Box 26110

Santa Fe, New Mexico 87502

SLD No.: OR- 9602065

REQUEST ID No.: 151910

RECEIVED AT SLD: 6/25/96

SLD COPY

USER 55321

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 9:35

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 50 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED:

N/A

DATE ANALYZED: 6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml): 0.05

ANALYSIS No.: OR- 9602065

SLD BATCH No.: 294a&d

DILUTION FACTOR: 20.00

REQUEST ID No.: 151910

Barometric Pressure During Analysis in mm of Mercury: 636 mm

CAS #	ANALYTE NAME	CONCENTRATION		QUAL.	SDL	
		uG/L (air)	ppm V/V		uG/L	ppm V/V
71-43-2	Benzene			U	100.0	38.2
108-86-1	Bromobenzene			U	100.0	19.0
74-97-5	Bromochloromethane			U	100.0	23.1
75-27-4	Bromodichloromethane*			U	100.0	18.2
75-25-2	Bromoform*			U	100.0	11.8
24-83-9	Bromomethane			U	100.0	31.4
78-93-3	2-Butanone (MEK)			U	1000.0	413.7
104-51-8	n-Butylbenzene			U	100.0	22.2
135-98-8	sec-Butylbenzene			U	100.0	22.2
98-06-6	tert-Butylbenzene			U	100.0	22.2
1634-04-4	tert-Butyl methyl ether (MTBE)			U	1000.0	338.5
56-23-5	Carbon tetrachloride			U	100.0	19.3
108-90-7	Chlorobenzene (monochlorobenzene)			U	100.0	26.4
75-00-3	Chloroethane			U	100.0	45.8
67-66-3	Chloroform*			U	100.0	25.0
74-87-3	Chloromethane			U	100.0	59.6
95-49-8	2-Chlorotoluene			U	100.0	23.6
106-43-4	4-Chlorotoluene			U	100.0	23.6
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	100.0	12.6
124-48-1	Dibromochloromethane*			U	100.0	14.3
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	100.0	15.8
74-95-3	Dibromomethane			U	100.0	31.7
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	100.0	20.3
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	100.0	20.3
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	100.0	20.3
75-71-8	Dichlorodifluoromethane			U	100.0	24.6
75-34-3	1,1-Dichloroethane			U	100.0	30.1
107-06-2	1,2-Dichloroethane			U	100.0	30.1
75-35-4	1,1-Dichloroethene	1000	310		100.0	30.7
156-59-2	cis-1,2-Dichloroethene			U	100.0	30.7
156-60-5	trans-1,2-Dichloroethene			U	100.0	30.7
78-87-5	1,2-Dichloropropane			U	100.0	26.4
142-28-9	1,3-Dichloropropane			U	100.0	26.4
590-20-7	2,2-Dichloropropane			U	100.0	26.4
563-58-6	1,1-Dichloropropene			U	100.0	26.8
1006-01-5	cis-1,3-Dichloropropene			U	100.0	26.8
1006-02-6	trans-1,3-Dichloropropene			U	100.0	26.8
100-41-4	Ethylbenzene			U	100.0	28.1
87-68-3	Hexachlorobutadiene			U	100.0	11.4
98-82-8	Isopropylbenzene			U	100.0	24.8
99-87-6	4-Isopropyltoluene			U	100.0	22.1
75-09-2	Methylene chloride (Dichloromethane)			U	200.0	70.1

91-20-3	Naphthalene			U	100.0	18.9
103-65-1	Propylbenzene			U	100.0	24.8
100-42-5	Styrene			U	100.0	28.6
630-20-6	1,1,1,2-Tetrachloroethane			U	100.0	17.7
79-34-5	1,1,2,2-Tetrachloroethane			U	100.0	17.7
127-18-4	Tetrachloroethene	160	27		100.0	17.9
109-99-9	Tetrahydrofuran (THF)			U	1000.0	413.7
108-88-3	Toluene			U	100.0	32.4
87-61-5	1,2,3-Trichlorobenzene			U	100.0	16.5
120-82-1	1,2,4-Trichlorobenzene			U	100.0	16.5
71-55-6	1,1,1-Trichloroethane	2600	580		100.0	22.4
79-00-5	1,1,2-Trichloroethane			U	100.0	22.4
79-01-6	Trichloroethene	9400	2100		100.0	22.7
75-69-4	Trichlorofluoromethane			U	100.0	21.6
96-18-4	1,2,3-Trichloropropane			U	100.0	20.3
95-63-6	1,2,4-Trimethylbenzene			U	100.0	24.8
108-67-8	1,3,5-Trimethylbenzene			U	100.0	24.8
75-01-4	Vinyl chloride			U	100.0	48.0
95-47-6	o-Xylene*			U	100.0	28.1
N/A	p- & m-Xylene*			U	100.0	
N/A	*Total Xylenes*	0.0	0.0	U	100.0	

LABORATORY BATCH QUALITY CONTROL SUMMARY

SURROGATE RECOVERIES:	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY
	Toluene - D8	10200	102.0%
	4 - Bromofluorobenzene	8790	87.9%
	1,2 - Dichlorobenzene - D4	11600	116.0%

LABORATORY FORTIFIED BLANK RECOVERIES: The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:

COMPOUND	TARGET CONC. (ug/L)	% RECOVERY
2,2-Dichloropropane	50	172%
2-Butanone	50	79%
Tetrahydrofuran	200	79%
Benzene	50	61%

LABORATORY BLANKS: No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:

COMPOUND	CONCENTRATION (mg/L)
None	

ANALYST: Patrick Basile

QC APPROVED BY:

Ken Sherrell

LS

DEFINITIONS

** Concentration Exceeds EPA's allowable Maximum Contamination Level

CAS# Chemical Abstract Services Number - Unique number to help identify analytes listed by different names

CONC. Concentration (ug/L) of analyte actually detected in the sample

QUAL Qualifier of analytical results as follows:

- B Analyte was detected in laboratory blank
- J Analyte was detected at a level below which an accurate quantitation can be given (~5 * SDL)
- U No analyte was detected above the Sample Detection Limit.

SDL Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.

ug/L Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

ORGANIC CHEMISTRY ANALYTICAL REQUEST FORM

SCIENTIFIC LABORATORY DIVISION

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106

Organic Chemistry Section - Telephone: (505) 841-2570

SLD No.

OR96-2065-B

Date

Received:

2 User Code #: 55321	3 Request ID No.:	Request ID No. 151910-B	4 Priority Code #: 3	[If "1" or "2", call ED-SLD Coordinator]
5 Facility Name: Spanton	6 County: Bernalillo	7 City: Albuquerque	8 State: N.M.	

9 Sample Location: Spanton V.P.-1, 50 Feet

10 Collected By: Rob Pine On: 96/06/25 At: 0913 hrs. Date: (YY/MM/DD) Time: 24 hr. clock 3:00 pm = 1500 hrs.

11 Codes: 4 1 8 Submitter WSS # Organization

13 Report To: Rob Pine 14 Phone #: 827-0178

Address NMED / Assessment & Abatement Section

P.O. Box 26110

City, State Zip Santa Fe, NM 87502

16 Field Data: pH: , Conductivity: umhos/cm @ Temperature: °C Chlorine Residual: mg/l, Flow:

7 Sample Source: ☐ -Stream ☐ -Lake ☐ -Drain ☐ -Pool ☐ -WWTP ☐ -Entry Point to Distribution ☐ -Well; Depth: ☐ -Spring ☐ -Distribution ☐ -Other: 18 Field Remarks: Project Code: 5159 Sample Type: ☐ -Water ☐ -Wastewater ☐ -Soil, ☐ -Food, ☒ -Other Air ☐ -Unchlorinated ☐ -Chlorinated This form accompanies a single sample consisting of: ☐ -septum vial(s) (volume = ml ea.) ☐ -glass jug(s) (volume = ml ea.) ☐ -Tedlar bag (volume =) 20 Preservation: ☐ -NP No Preservation; Sample stored at room temperature ☐ -P-ice Sample stored in an ice bath (Not Frozen) ☐ -P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual ☐ -P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml) ☐ -P-HgCl₂ Sample Preserved with 20 mg/l Mercuric Chloride ☐ -Other

1 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.

Volatile Screens:

- ☐ - (753) Aliphatic Headspace (Qualitative Screen)
☒ - (754) Aromatic & Halogenated Purgeables (EPA 601/2)
☐ - (765) Mass Spectrometer Purgeables (EPA 624)
☐ - (766) SDWA Total Trihalomethanes (EPA 501.1)
☐ - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2)
☐ - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)
☐ - (790) Composite Sample for Analysis No. _____

Other Specific Compounds or Classes:

- ☐ - ()
☐ - ()

Semivolatile Screens:

- ☐ - (755) Base/Neutral Extractables (EPA 625)
☐ - (756) Base/Neutral/Acid Extractables (EPA 8270)
☐ - (772) Carbamate Pesticides (EPA 531.1)
☐ - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1)
☐ - (759) Herbicides, Triazine (EPA 507)
☐ - (751) Hydrocarbon Fuel Screen (EPA M-8015)
☐ - (760) Organochlorine Pesticides (EPA 505)
☐ - (761) Organophosphate Pesticides (EPA 507)
☐ - (767) Polychlorinated Biphenyls (PCB's) in Oil
☐ - (762) SDWA Synthetic Org. Compds. (SLD 758/760)
☐ - (782) Total Petroleum Hydrocarbons (EPA 418.1)

Remarks:

01 JUN 25 PM 1:10

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT:

Attn: Rob Pine

NMED / Assessment & Abatement Sec.

P.O. Box 26110

Santa Fe, New Mexico 87502

SLD No.: OR- 9602064

REQUEST ID No.: 151909

RECEIVED AT SLD: 6/25/96

SLD COPY

USER 55321

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 9:20

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 60 feet

SAMPLE MATRIX: Gas

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED:

N/A

DATE ANALYZED:

6/26/96

1 Days: Within EPA Analysis Time

AIR SAMPLE VOL (ml):

0.05

ANALYSIS No.: OR-

9602064

SLD BATCH No.:

294a&d

DILUTION FACTOR:

20.00

REQUEST ID No.:

151909

Barometric Pressure During Analysis in mm of Mercury:

636

CAS #	ANALYTE NAME	CONCENTRATION		QUAL.	SDL	
		ug/L (air)	ppm V/V		ug/L	ppm V/V
71-43-2	Benzene			U	100.0	38.2
108-86-1	Bromobenzene			U	100.0	19.0
74-97-5	Bromochloromethane			U	100.0	23.1
75-27-4	Bromodichloromethane*			U	100.0	18.2
75-25-2	Bromoform*			U	100.0	11.8
24-83-9	Bromomethane			U	100.0	31.4
78-93-3	2-Butanone (MEK)			U	1000.0	413.7
104-51-8	n-Butylbenzene			U	100.0	22.2
135-98-8	sec-Butylbenzene			U	100.0	22.2
98-06-6	tert-Butylbenzene			U	100.0	22.2
1634-04-4	tert-Butyl methyl ether (MTBE)			U	1000.0	338.5
56-23-5	Carbon tetrachloride			U	100.0	19.3
108-90-7	Chlorobenzene (monochlorobenzene)			U	100.0	26.4
75-00-3	Chloroethane			U	100.0	45.8
67-66-3	Chloroform*			U	100.0	25.0
74-87-3	Chloromethane			U	100.0	59.6
95-49-8	2-Chlorotoluene			U	100.0	23.6
106-43-4	4-Chlorotoluene			U	100.0	23.6
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			U	100.0	12.6
124-48-1	Dibromochloromethane*			U	100.0	14.3
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))			U	100.0	15.8
74-95-3	Dibromomethane			U	100.0	31.7
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	100.0	20.3
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	100.0	20.3
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	100.0	20.3
75-71-8	Dichlorodifluoromethane			U	100.0	24.6
75-34-3	1,1-Dichloroethane			U	100.0	30.1
107-06-2	1,2-Dichloroethane			U	100.0	30.1
75-35-4	1,1-Dichloroethene	1200	350		100.0	30.7
156-59-2	cis-1,2-Dichloroethene			U	100.0	30.7
156-60-5	trans-1,2-Dichloroethene			U	100.0	30.7
78-87-5	1,2-Dichloropropane			U	100.0	26.4
142-28-9	1,3-Dichloropropane			U	100.0	26.4
590-20-7	2,2-Dichloropropane			U	100.0	26.4
563-58-6	1,1-Dichloropropene			U	100.0	26.8
1006-01-5	cis-1,3-Dichloropropene			U	100.0	26.8
1006-02-6	trans-1,3-Dichloropropene			U	100.0	26.8
100-41-4	Ethylbenzene			U	100.0	28.1
87-68-3	Hexachlorobutadiene			U	100.0	11.4
98-82-8	Isopropylbenzene			U	100.0	24.8
99-87-6	4-Isopropyltoluene			U	100.0	22.1
75-09-2	Methylene chloride (Dichloromethane)			U	200.0	70.1

91-20-3	Naphthalene			U	100.0	18.9
103-65-1	Propylbenzene			U	100.0	24.8
100-42-5	Styrene			U	100.0	28.6
630-20-6	1,1,1,2-Tetrachloroethane			U	100.0	17.7
79-34-5	1,1,2,2-Tetrachloroethane			U	100.0	17.7
127-18-4	Tetrachloroethene	170	29		100.0	17.9
109-99-9	Tetrahydrofuran (THF)			U	1000.0	413.7
108-88-3	Toluene			U	100.0	32.4
87-61-5	1,2,3-Trichlorobenzene			U	100.0	16.5
120-82-1	1,2,4-Trichlorobenzene			U	100.0	16.5
71-55-6	1,1,1-Trichloroethane	3800	840		100.0	22.4
79-00-5	1,1,2-Trichloroethane			U	100.0	22.4
79-01-6	Trichloroethene	10000	2300		100.0	22.7
75-69-4	Trichlorofluoromethane			U	100.0	21.6
96-18-4	1,2,3-Trichloropropane			U	100.0	20.3
95-63-6	1,2,4-Trimethylbenzene			U	100.0	24.8
108-67-8	1,3,5-Trimethylbenzene			U	100.0	24.8
75-01-4	Vinyl chloride			U	100.0	48.0
95-47-6	o-Xylene*			U	100.0	28.1
N/A	p- & m-Xylene*			U	100.0	
N/A	*Total Xylenes*	0.0	0.0	U	100.0	

LABORATORY BATCH QUALITY CONTROL SUMMARY

SURROGATE	SURROGATE COMPOUNDS	CONCENTRATION (ug/L)	% RECOVERY
RECOVERIES:	Toluene - D8	10100	101.0%
	4 - Bromofluorobenzene	9500	95.0%
	1,2 - Dichlorobenzene - D4	11300	113.0%

LABORATORY FORTIFIED BLANK RECOVERIES	The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:		
	COMPOUND	TARGET CONC. (ug/L)	% RECOVERY
	2,2-Dichloropropane	50	172%
	2-Butanone	50	79%
	Tetrahydrofuran	200	79%
	Benzene	50	61%

LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:	
	COMPOUND	CONCENTRATION (mg/L)
	No Exception	

ANALYST: Patrick Basile

QC APPROVED BY:

Ken Sherrell

DEFINITIONS

**	Concentration Exceeds EPA's allowable Maximum Contamination Level
CAS#	Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
CONC.	Concentration (ug/L) of analyte actually detected in the sample
QUAL	Qualifier of analytical results as follows:
	B Analyte was detected in laboratory blank
	J Analyte was detected at a level below which an accurate quantitation can be given (~5 * SDL)
	U No analyte was detected above the Sample Detection Limit.
SDL	Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
ug/L	Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

ORGANIC CHEMISTRY ANALYTICAL REQUEST FORM

SCIENTIFIC LABORATORY DIVISION

700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106

Organic Chemistry Section - Telephone: (505) 841-2570

SLD No.

OR96-2064-B

Date

ceived:

Request ID No. 151909-B

Priority Code #: 3

(If "1" or "2", call ED-SLD Coordinator)

2 User Code #: 5,5,3,2,1	3 Request ID No.:	6 County: Bernalillo	7 City: Albuquerque	8 State: N.M.
5 Facility Name: Sparton				
9 Sample Location: Sparton, N.P., 1, 60 Feet				
10 Collected By: Rob Pine On: 96/06/25 At: 0920 hrs. First Last Date: (YY/MM/DD) Time: 24 hr. clock 3:00 pm = 1500 hrs.				
11 Codes: 4, 1, 8 Submitter WSS # Organization		12 Latitude (DDMMSS) Longitude (DDMMSS) 2 Digit ID (if needed)		
13 Report To: Rob Pine		14 Phone #: 827-0178		
Address: NMED / Assessment & Abatement Section				
P.O. Box 26110				
City, State Zip: Santa Fe, NM 87502				
15 Sampling Information: Sample Purpose: <input type="checkbox"/> - Grab <input type="checkbox"/> - Composite (Composite Time Period) <input type="checkbox"/> - Compliance <input type="checkbox"/> - Flow Proportioned <input type="checkbox"/> - NMED Monitoring <input type="checkbox"/> - Equal Aliquot <input type="checkbox"/> - Confirmation <input type="checkbox"/> - Sample Split w/Permittee <input type="checkbox"/> - Special <input type="checkbox"/> - Chain of Custody				

16 Field Data: pH: , Conductivity: umhos/cm @ Temperature: °C Chlorine Residual: mg/l, Flow:

17 Sample Source: <input type="checkbox"/> - Stream <input type="checkbox"/> - Lake <input type="checkbox"/> - Drain <input type="checkbox"/> - Pool <input type="checkbox"/> - WWTP <input type="checkbox"/> - Entry Point to Distribution <input type="checkbox"/> - Well; Depth: <input type="checkbox"/> - Spring <input type="checkbox"/> - Distribution <input type="checkbox"/> - Other:	18 Field Remarks: Project Code: 515
---	--

19 Sample Type: <input type="checkbox"/> - Water <input type="checkbox"/> - Wastewater <input type="checkbox"/> - Soil <input type="checkbox"/> - Food <input type="checkbox"/> - Other Air This form accompanies a single sample consisting of: - septum vial(s) (volume = ml ea.) - glass jug(s) (volume = ml ea.) - Tedlar bag (volume =)	20 Preservation: <input type="checkbox"/> - NP No Preservation; Sample stored at room temperature <input type="checkbox"/> - P-Ice Sample stored in an ice bath (Not Frozen) <input type="checkbox"/> - P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual <input type="checkbox"/> - P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml) <input type="checkbox"/> - P-HgCl ₂ Sample Preserved with 20 mg/l Mercuric Chloride <input type="checkbox"/> - Other
---	--

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.

Volatile Screens:

- ☐ - (753) Aliphatic Headspace (Qualitative Screen)
- ☒ - (754) Aromatic & Halogenated Purgeables (EPA 601/2)
- ☐ - (765) Mass Spectrometer Purgeables (EPA 624)
- ☐ - (766) SDWA Total Trihalomethanes (EPA 501.1)
- ☐ - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2)
- ☐ - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)
- ☐ - (790) Composite Sample for Analysis No. _____

Other Specific Compounds or Classes:

- ☐ - ()
- ☐ - ()

Semivolatile Screens:

- ☐ - (755) Base/Neutral Extractables (EPA 625)
- ☐ - (756) Base/Neutral/Acid Extractables (EPA 8270)
- ☐ - (772) Carbamate Pesticides (EPA 531.1)
- ☐ - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1)
- ☐ - (759) Herbicides, Triazine (EPA 507)
- ☐ - (751) Hydrocarbon Fuel Screen (EPA M-8015)
- ☐ - (760) Organochlorine Pesticides (EPA 505)
- ☐ - (761) Organophosphate Pesticides (EPA 507)
- ☐ - (767) Polychlorinated Biphenyls (PCB's) in Oil
- ☐ - (762) SDWA Synthetic Org. Compds. (SLD 758/760)
- ☐ - (782) Total Petroleum Hydrocarbons (EPA 418.1)

Remarks:

01:11 PM 25 JUN 96

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700700 Camino de Salud, NE
[505]-841-2500

AIR & HEAVY METALS SECTION [505]-841-2553

September 23, 1996

Request
ID No. 149671**ANALYTICAL REPORT**
SLD Accession No. HM-96-1337Distribution☐ User 55321
☒ Submitter 418
☒ SLD FilesTo: ED-Assessment & Abatement Sect.
ED Ground Water Quality Bureau
P.O. Box 26110
Santa Fe, NM 87502From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, N.E.
P.O. Box 4700
Albuquerque, NM 87196-4700

Re: A soil sample submitted to this laboratory on June 13, 1996

DEMOGRAPHIC DATA

<u>COLLECTION</u>		<u>LOCATION</u>
On: 12-Jun-96	By: Pin . . .	Sparton VP-1 37 Feet
At: 0:00 hrs.	In/Near: Albuquerque	

ANALYTICAL RESULTS

<u>Analysis</u>	<u>Value</u>	<u>Units</u>	<u>Analyst</u>
Chromium	26.0000	uG/Gram	

Laboratory Remarks: Digested at S.L.D.Chromium by method 218.1 on 9/12/96 by RS.
Facility: Sparton.

Reviewed By: _____

Ron Amato 09/23/96
Supervisor, Air & Heavy Metals Section

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700700 Camino de Salud, NE
[505]-841-2500

AIR & HEAVY METALS SECTION [505]-841-2553

September 23, 1996

Request
ID No. 149672**ANALYTICAL REPORT**
SLD Accession No. HM-96-1338Distribution☐ User 55321
☒ Submitter 418
☒ SLD Files

To: ED-Assessment & Abatement Sect.
ED Ground Water Quality Bureau
P.O. Box 26110
Santa Fe, NM 87502

From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, N.E.
P.O. Box 4700
Albuquerque, NM 87196-4700

Re: A soil sample submitted to this laboratory on June 13, 1996

DEMOGRAPHIC DATA

<u>COLLECTION</u>		<u>LOCATION</u>
On: 12-Jun-96	By: Pin . . .	Sparton VP-1 47 Feet
At: 0:00 hrs.	In/Near: Albuquerque	

ANALYTICAL RESULTS

<u>Analysis</u>	<u>Value</u>	<u>Units</u>	<u>Analyst</u>
Chromium	19.0000	uG/Gram	

Laboratory Remarks: Digested at S.L.D.Chromium by method 218.1 on 8/28/96 by RS.
Facility: Sparton.

Reviewed By:

Ron Amato 09/23/96
Supervisor, Air & Heavy Metals Section

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700700 Camino de Salud, NE
[505]-841-2500

AIR & HEAVY METALS SECTION [505]-841-2553

September 26, 1996

Request
ID No. 149670ANALYTICAL REPORT
SLD Accession No. HM-96-1336Distribution☐ User 55321
☒ Submitter 418
☒ SLD FilesTo: Rob Pine
ED Ground Water Quality Bureau
P.O. Box 26110
Santa Fe, NM 87502From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, N.E.
P.O. Box 4700
Albuquerque, NM 87196-4700

Re: A soil sample submitted to this laboratory on June 13, 1996

DEMOGRAPHIC DATA

COLLECTION		LOCATION
On: 12-Jun-96	By: Pin . . .	Sparton VP-1 28 Feet
At: 0:00 hrs.	In/Near: Albuquerque	

ANALYTICAL RESULTS

Analysis	Value	Units	Analyst
Chromium	240.0000	uG/Gram	

Laboratory Remarks: Digested at S.L.D.Chromium by method 218.1 on 9/12/96 by RS.
Percent Solids = 97.1%.
Facility: Sparton.
This is a revised report for % Solids.

Reviewed By:

Ron Amato 09/23/96
Supervisor, Air & Heavy Metals Section

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700700 Camino de Salud, NE
[505]-841-2500

AIR & HEAVY METALS SECTION [505]-841-2553

September 26, 1996

Request
ID No. 149671**ANALYTICAL REPORT**
SLD Accession No. HM-96-1337Distribution☐ User 55321
☒ Submitter 418
☒ SLD FilesTo: Rob Pine
ED Ground Water Quality Bureau
P.O. Box 26110
Santa Fe, NM 87502From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, N.E.
P.O. Box 4700
Albuquerque, NM 87196-4700

Re: A soil sample submitted to this laboratory on June 13, 1996

DEMOGRAPHIC DATA

<u>COLLECTION</u>	<u>LOCATION</u>
On: 12-Jun-96 By: Pin . . .	Sparton VP-1 37 Feet
At: 0:00 hrs. In/Near: Albuquerque	

ANALYTICAL RESULTS

<u>Analysis</u>	<u>Value</u>	<u>Units</u>	<u>Analyst</u>
Chromium	26.0000	uG/Gram	

Laboratory Remarks: Digested at S.L.D.

Chromium by method 218.1 on 9/12/96 by RS.

Percent Solids = 97.0%

Facility: Sparton.

This is a revised report for % Solids.

Reviewed By: _____

Ron Amato 09/23/96
Supervisor, Air & Heavy Metals Section

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700700 Camino de Salud, NE
[505]-841-2500

AIR & HEAVY METALS SECTION [505]-841-2553

September 26, 1996

Request
ID No. 149672**ANALYTICAL REPORT**
SLD Accession No. HM-96-1338Distribution☐ User 55321
☒ Submitter 418
☒ SLD Files

To: Rob Pine
ED Ground Water Quality Bureau
P.O. Box 26110
Santa Fe, NM 87502

From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, N.E.
P.O. Box 4700
Albuquerque, NM 87196-4700

Re: A soil sample submitted to this laboratory on June 13, 1996

DEMOGRAPHIC DATA

<u>COLLECTION</u>		<u>LOCATION</u>
On: 12-Jun-96	By: Pin . . .	Sparton VP-1 47 Feet
At: 0:00 hrs.	In/Near: Albuquerque	

ANALYTICAL RESULTS

<u>Analysis</u>	<u>Value</u>	<u>Units</u>	<u>Analyst</u>
Chromium	19.0000	uG/Gram	

Laboratory Remarks: Digested at S.L.D.

Chromium by method 218.1 on 8/28/96 by RS.
Percent Solids = 99.1%
Facility: Sparton.
This is a revised report for % Solids.

Reviewed By:

Ron Amato 09/23/96
Supervisor, Air & Heavy Metals Section



SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700700 Camino de Salud, NE
[505]-841-2500

AIR & HEAVY METALS SECTION [505]-841-2553

September 23, 1996

Request
ID No. 149670**ANALYTICAL REPORT**
SLD Accession No. HM-96-1336Distribution☐ User 55321
☒ Submitter 418
☒ SLD Files

To: ED-Assessment & Abatement Sect.
ED Ground Water Quality Bureau
P.O. Box 26110
Santa Fe, NM 87502

From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, N.E.
P.O. Box 4700
Albuquerque, NM 87196-4700

Re: A soil sample submitted to this laboratory on June 13, 1996

DEMOGRAPHIC DATA

<u>COLLECTION</u>		<u>LOCATION</u>
On: 12-Jun-96	By: Pin . . .	Sparton VP-1 28 Feet
At: 0:00 hrs.	In/Near: Albuquerque	

ANALYTICAL RESULTS

<u>Analysis</u>	<u>Value</u>	<u>Units</u>	<u>Analyst</u>
Chromium	240.0000	uG/Gram	

Laboratory Remarks: Digested at S.L.D.

Chromium by method 218.1 on 9/12/96 by RS.
Facility: Sparton.

Reviewed By: _____
Ron Amato 09/23/96
Supervisor, Air & Heavy Metals Section



SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700700 Camino de Salud, NE
[505]-841-2500

AIR & HEAVY METALS SECTION [505]-841-2553

October 4, 1996

Request
ID No. 149673**ANALYTICAL REPORT**
SLD Accession No. HM-96-1339Distribution☐ User 55321
☒ Submitter 418
☒ SLD Files

To: Rob Pine
NMED Ground Water Quality Bureau
1190 St. Francis Dr.
Box 26110
Santa Fe, NM 87502

From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, N.E.
P.O. Box 4700
Albuquerque, NM 87196-4700

Re: A soil sample submitted to this laboratory on June 13, 1996

DEMOGRAPHIC DATA

<u>COLLECTION</u>		<u>LOCATION</u>
On: 12-Jun-96	By: Pin . . .	Sparton VP-1 57 Feet
At: 0:00 hrs.	In/Near: Albuquerque	

ANALYTICAL RESULTS

<u>Analysis</u>	<u>Value</u>	<u>Units</u>	<u>Analyst</u>
Chromium	11.0000	uG/Gram	

Laboratory Remarks: Digested at SLD. Percent Solids = 94.5%
Cromium by method 218.2 on 9/27/96 by RS.
Facility: Sparton.

Reviewed By: _____
Ron Amato 10/01/96
Supervisor, Air & Heavy Metals Section

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
[505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

REPORT TO CLIENT: ☒

Rob Pine

NMED/Assessment & Abatement Section

P.O. Box 26110

Santa Fe, NM 87502

SLD No.: OR- 9601985

REQUEST ID No.: 149679

RECEIVED AT SLD: 6/13/96

☐ SLD COPY

USER

55321

SAMPLE COLLECTION: DATE: 6/12/96

TIME: _____

BY: Pin

SAMPLING LOCATION: Sparton VP-1 57 feet

Sample Type: Soil

REPORTING UNITS: ug/Kg

Remarks:

See Laboratory Remarks.

EPA METHOD 8021 VOLATILES BY GAS CHROMATOGRAPHY (PID/ELCD)

DATE EXTRACTED: N/A

DATE ANALYZED: 6/19/96 7 Days: Within EPA Analysis Time

SAMPLE DRY WEIGHT (g): 10.52

0

SAMPLE PRESERVATION:

ANALYSIS No.: OR- 9601985

SLD BATCH No.: 279

DILUTION FACTOR: 200.00

REQUEST ID No.: 149679

CAS #	ANALYTE NAME	CONC. (ug/Kg)	QUAL.	SDL
71-43-2	Benzene		U	200.0
108-86-1	Bromobenzene		U	200.0
74-97-5	Bromochloromethane		U	200.0
75-27-4	Bromodichloromethane*		U	200.0
75-25-2	Bromoform*		U	200.0
24-83-9	Bromomethane		U	200.0
78-93-3	2-Butanone (MEK)		U	200.0
104-51-8	n-Butylbenzene		U	200.0
135-98-8	sec-Butylbenzene		U	200.0
98-06-6	tert-Butylbenzene		U	200.0
1634-04-4	tert-Butyl methyl ether (MTBE)		U	200.0
56-23-5	Carbon tetrachloride		U	200.0
108-90-7	Chlorobenzene (monochlorobenzene)		U	200.0
75-00-3	Chloroethane		U	400.0
67-66-3	Chloroform*		U	200.0
74-87-3	Chloromethane		U	200.0
95-49-8	2-Chlorotoluene		U	200.0
106-43-4	4-Chlorotoluene		U	200.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		U	200.0
124-48-1	Dibromochloromethane*		U	200.0
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))		U	200.0
74-95-3	Dibromomethane		U	200.0
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)		U	200.0
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)		U	200.0
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)		U	200.0
75-71-8	Dichlorodifluoromethane		U	200.0
75-34-3	1,1-Dichloroethane		U	200.0
107-06-2	1,2-Dichloroethane		U	200.0
75-35-4	1,1-Dichloroethene		U	200.0
156-59-2	cis-1,2-Dichloroethene		U	200.0
156-60-5	trans-1,2-Dichloroethene		U	200.0
78-87-5	1,2-Dichloropropane		U	200.0
142-28-9	1,3-Dichloropropane		U	200.0
590-20-7	2,2-Dichloropropane		U	200.0
563-58-6	1,1-Dichloropropene		U	200.0
1006-01-5	cis-1,3-Dichloropropene		U	200.0

OGC-001991

1006-02-6	trans-1,3-dichloropropene		U	200.0
100-41-4	Ethylbenzene		U	200.0
87-68-3	Hexachlorobutadiene		U	200.0
98-82-8	Isopropylbenzene		U	200.0
99-87-6	4-Isopropyltoluene		U	200.0
75-09-2	Methylene chloride (Dichloromethane)		U	200.0
91-20-3	Naphthalene		U	200.0
103-65-1	Propylbenzene		U	200.0
100-42-5	Styrene		U	200.0
630-20-6	1,1,1,2-Tetrachloroethane		U	200.0
79-34-5	1,1,2,2-Tetrachloroethane		U	200.0
127-18-4	Tetrachloroethene		U	200.0
109-99-9	Tetrahydrofuran (THF)		U	800.0
108-88-3	Toluene		U	200.0
87-61-5	1,2,3-Trichlorobenzene		U	200.0
120-82-1	1,2,4-Trichlorobenzene		U	200.0
71-55-6	1,1,1-Trichloroethane		U	200.0
79-00-5	1,1,2-Trichloroethane		U	200.0
79-01-6	Trichloroethene	260.0		200.0
75-69-4	Trichlorofluoromethane		U	200.0
96-18-4	1,2,3-Trichloropropane		U	200.0
95-63-6	1,2,4-Trimethylbenzene		U	200.0
108-67-8	1,3,5-Trimethylbenzene		U	200.0
75-01-4	Vinyl chloride		U	400.0
95-47-6	o-Xylene*		U	200.0
N/A	p- & m-Xylene*		U	200.0
N/A	*Total Xylenes*		U	200.0
N/A	*Total Trihalomethanes*	0.0	U	200.0

Laboratory Remarks: This sample was analyzed by diluting a methanol extract with laboratory reagent water and running by purge and trap analysis.
% Moisture of sample: 3.8%

LABORATORY BATCH QUALITY CONTROL SUMMARY			
SURROGATE	SURROGATE COMPOUNDS	CONCENTRATION	% RECOVERY
RECOVERIES:	2-Bromochlorobenzene (Photoionization Detector Surrogate)	24.6	98.4%
	2-Bromochlorobenzene (Electrolytic Conductivity Detector Surrogate)	26.31	105.2%
LABORATORY FORTIFIED	The % recoveries for compounds in the batch spike were from 80% to 120% with the exception of the compounds listed below:		
BLANK	COMPOUND	CONCENTRATION (mg/L)	% RECOVERY
RECOVERIES	Vinylchloride	20	50
	Chloroethane	20	68
LABORATORY BLANKS	No target compounds were detected above the sample detection limit in laboratory blank with the exception of the compound(s) listed below:		
	COMPOUND	CONCENTRATION (ug/L)	
	Acetone	8	

ANALYST: S. A. Mustafa QC APPROVED BY: K. Sherrell 

DEFINITIONS

- ** Concentration Exceeds EPA's allowable Maximum Contamination Level
- CAS# Chemical Abstract Services Number - Unique number to help identify analytes listed by different names
- CONC. Concentration (ug/L) of analyte actually detected in the sample
- QUAL Qualifier of analytical results as follows:
- B Analyte was detected in laboratory blank
 - J Analyte was detected at a level below which an accurate quantitation can be given (~5 * SDL)
 - U No analyte was detected above the Sample Detection Limit.
- MCL Maximum Contamination Level Allowed by EPA for SDWA regulated analytes
- SDL Sample Detection Limit - The lowest concentration which can be differentiated from Zero with 99% confidence taking sample size (compositing) into account.
- ug/L Concentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

SCIENTIFIC LABORATORY DIVISION
760 CAMINO DE SALUD N.E., ALBUQUERQUE, NM 87106
Organic Chemistry Section - Telephone: (505) 841-2570

SLD No.

OR96- 1985-C

Date

Received:

Request |||||
ID No. 149679-D

2 User Code #: 55321	3 Request ID No.:	4 Priority Code #: 3	(If "1" or "2", call ED-SLD Coordinator)
5 Facility Name: Sparton	6 County: Bernalillo	7 City: Albuquerque	8 State: N.M.

9 Sample Location: Sparton, VP-1, 57 feet

10 Collected By: Rob Pine On: 96/06/12 At: hrs.
First Last Date: (YY/MM/DD) Time: 24 hr. clock 3:00 pm - 1500 hrs.11 Codes: 4 1 8 Submitter WSS # Organization
12 Latitude (DDMMSS) Longitude (DDMMSS) 2 Digit ID (if needed)13 Report To: Rob Pine Name Address NMED / Assessment & Abatement Section P.O. Box 26110 City, State Zip Santa Fe, NM 87502
14 Phone #: 827-0178
15 Sampling Information: Sample Purpose: ☐ - Grab ☐ - Composite (Composite Time Period)
☐ - Compliance ☐ - Flow Proportioned
☐ - NMED Monitoring ☐ - Equal Aliquot
☐ - Confirmation ☐ - Sample Split w/Permittee
☐ - Special ☐ - Chain of Custody

16 Field Data: pH: , Conductivity: umhos/cm @ Temperature: °C Chlorine Residual: mg/l, Flow:

17 Sample Source: ☐ - Stream ☐ - Lake ☐ - Drain ☐ - Pool ☐ - WWTP ☐ - Entry Point to Distribution ☐ - Well; Depth: ☐ - Spring ☐ - Distribution ☐ - Other:
18 Field Remarks: Project Code: 51519 Sample Type: ☐ - Water ☐ - Wastewater ☐ - Soil, ☐ - Food, ☐ - Other ☐ - Unchlorinated ☐ - Chlorinated
This form accompanies a single sample consisting of:
3- septum vial(s) (volume = 40 ml ea.)
- glass jug(s) (volume = ml ea.)
(volume =)
20 Preservation: ☐ - NP No Preservation; Sample stored at room temperature
☐ - P-Ice Sample stored in an ice bath (Not Frozen)
☐ - P-TS Sample Preserved with Sodium Thiosulfate to remove chlorine residual
☐ - P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml)
☐ - P-HgCl₂ Sample Preserved with 20 mg/l Mercuric Chloride
☐ - Other

21 Analyses Requested: Please check the appropriate box(es) below to indicate the type of analytical screen(s) required. Whenever possible, list specific compounds suspected or required, and note below whenever highly contaminated samples are suspected.

Volatile Screens:

- ☐ - (753) Aliphatic Headspace (Qualitative Screen)
☒ - (754) Aromatic & Halogenated Purgeables (EPA 601/2)
☐ - (765) Mass Spectrometer Purgeables (EPA 624)
☐ - (766) SDWA Total Trihalomethanes (EPA 501.1)
☐ - (774) SDWA VOC's I [21 REGULATED +] (EPA 502.2)
☐ - (775) SDWA VOC's II [EDB & DBCP] (EPA 504)
☐ - (790) Composite Sample for Analysis No. _____

Other Specific Compounds or Classes:

- ☐ - ()
☐ - ()

Semivolatile Screens:

- ☐ - (755) Base/Neutral Extractables (EPA 625)
☐ - (756) Base/Neutral/Acid Extractables (EPA 8270)
☐ - (772) Carbamate Pesticides (EPA 531.1)
☐ - (758) Herbicides, Chlorophenoxy Acid (EPA 515.1)
☐ - (759) Herbicides, Triazine (EPA 507)
☐ - (751) Hydrocarbon Fuel Screen (EPA M-8015)
☐ - (760) Organochlorine Pesticides (EPA 505)
☐ - (761) Organophosphate Pesticides (EPA 507)
☐ - (767) Polychlorinated Biphenyls (PCB's) in Oil
☐ - (762) SDWA Synthetic Org. Cmpds. (SLD 758/760)
☐ - (782) Total Petroleum Hydrocarbons (EPA 418.1)

Remarks:

50:5 W/ 01 MAR 96

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
AIR & HEAVY METALS SECTION [505]-841-2553

August 12, 1996

Request
ID No. 149668

ANALYTICAL REPORT
SLD Accession No. HM-96-1334

Distribution

☐ User 55321
☒ Submitter 418
☒ SLD Files

To: Rob Pine
ED Ground Water Quality Bureau
P.O. Box 26110
Santa Fe, NM 87502

From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, N.E.
P.O. Box 4700
Albuquerque, NM 87196-4700

Re: A soil sample submitted to this laboratory on June 13, 1996

DEMOGRAPHIC DATA

<u>COLLECTION</u>		<u>LOCATION</u>
On: 12-Jun-96	By: Pin . . .	Sparton VP-1 8 Feet 6 Inches
At: 0:00 hrs.	In/Near: Albuquerque	

ANALYTICAL RESULTS

<u>Analysis</u>	<u>Value</u>	<u>Units</u>	<u>Analyst</u>
Chromium	4080.0000	uG/Gram	

Laboratory Remarks:

% solids = 91.1%.
Chromium by method 218.1 on 8/5/96 by RS.
Sparton.

Reviewed By: _____
Ron Amato 08/12/96
Supervisor, Air & Heavy Metals Section



SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700
Albuquerque, NM 87196-4700700 Camino de Salud, NE
[505]-841-2500

AIR & HEAVY METALS SECTION [505]-841-2553

August 12, 1996

Request
ID No. 149669**ANALYTICAL REPORT**
SLD Accession No. HM-96-1335Distribution(☐) User 55321
(☒) Submitter 418
(☒) SLD FilesTo: Rob Pine
ED Ground Water Quality Bureau
P.O. Box 26110
Santa Fe, NM 87502From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, N.E.
P.O. Box 4700
Albuquerque, NM 87196-4700

Re: A soil sample submitted to this laboratory on June 13, 1996

DEMOGRAPHIC DATA

<u>COLLECTION</u>		<u>LOCATION</u>
On: 12-Jun-96	By: Pin . . .	Sparton VP-1 18.4 Feet
At: 0:00 hrs.	In/Near: Albuquerque	

ANALYTICAL RESULTS

<u>Analysis</u>	<u>Value</u>	<u>Units</u>	<u>Analyst</u>
Chromium	3180.0000	uG/Gram	

Laboratory Remarks:

% solids = 95.5%.

Chromium by method 218.1 on 8/5/95 by RS.
Sparton.Reviewed By: _____
Ron Amato 08/12/96
Supervisor, Air & Heavy Metals Section