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/GWOB 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.

wish. d. N

Richard D. Mico Vice President and General Manager

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

Enclosure

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

MR:ft

Enclosure

H. Mitchell Rubenstein, Ph.D. General Manager

GWB-00678-SPARTON

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 Read-ds.		

---TOTALS---

MATRIX AIR

#SAMPLES

OGC-001997

SWB-00677-SPARTON

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.:

PROJECT # : 2Q96-SVP

PROJECT NAME : SOTT, GAS VP-1

SAMPLE ID. # CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01 VP-1 ZONE 6,270	AIR	06/25/9		06/25/96	100
02 VP-1 ZONE 5,247	AIR	06/25/9		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)	3	100 D(2000
1,1,2-TRICHLOROETHANE		MG/M^3	<2.0		<10
TRICHLOROETHENE		MG/M^3	8700 D(2000)	8	200 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

BROMOCHLOROMETHANE (%) 102 100 98 100

TRIFLUOROTOLUENE (%) 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		06/25/96	NA	06/25/96	500
04 VP-1 ZONE	•	06/25/96	NA	06/25/96	500
PARAMETER		UNITS	03		04
BENZENE		MG/M ³	<25		<25
BROMODICHLOROMETH	ANE	MG/M ³	<10		<10
BROMOFORM		MG/M^3	<25		<25
BROMOMETHANE		MG/M^3	<50		<50
CARBON TETRACHLOR	IDE	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
DIBROMOCHLOROMETH.	ANE	MG/M^3	<10		<10
1,2-DIBROMOETHANE	(EDB)	MG/M ³	<10		<10
1,2-DICHLOROBENZE		MG/M^3	<25		<25
1,3-DICHLOROBENZE		MG/M ³	<25		<25
1,4-DICHLOROBENZE		MG/M^3	<25		<25
1,1-DICHLOROETHAN		MG/M^3	<15		<15
1,2-DICHLOROETHAN	• •	MG/M ³	<25		<25
1,1-DICHLOROETHEN		MG/M ³	340		230
CIS-1,2-DICHLOROE		MG/M^3	<10		<10
TRANS-1,2-DICHLOR	OETHENE	MG/M ³	<50		<50
1,2-DICHLOROPROPA	NE	MG/M^3	<10		<10
CIS-1,3-DICHLOROP	ROPENE	MG/M ³	<10		<10
TRANS-1,3-DICHLOR	OPROPENE	MG/M ³	<10		32
ETHYLBENZENE		MG/M ³	100		220
METHYL-t-BUTYL ET		MG/M^3	<130		<130
METHYLENE CHLORID	E	MG/M^3	<100		<100
1,1,2,2-TETRACHLO	ROETHANE	MG/M ³	<25		<25
TETRACHLOROETHENE		MG/M ³	310		320
TOLUENE		MG/M ³	110		4600
1,1,1-TRICHLOROET		MG/M ³	6300 D(2000) H	3	6500 D(2000)
1,1,2-TRICHLOROET	HANE	MG/M^3	<10		<10
TRICHLOROETHENE		MG/M ³	22000 D(2000) E	2	24000 D(2000)
TRICHLOROFLUOROME	THANE	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)

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

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
PARAMET	PER		UNITS	05		06
BENZENI	Ξ		MG/M^3	<25		<25
BROMOD	CHLOROMETHANE		MG/M ³	<10		<10
BROMOF	ORM		MG/M ³	<25		<25
BROMOMI	ETHANE		MG/M^3	<50		<50
CARBON	TETRACHLORIDE		MG/M ³	<10		<10
	BENZENE		MG/M ³	<25		<25
CHLORO			MG/M ³	<25		<25
CHLORO			MG/M ³	<25		<25
	METHANE		MG/M ³	<50		<50
	CHLOROMETHANE		MG/M ³	<10		<10
•	BROMOETHANE (EDB)		MG/M ³	<10		<10
•	CHLOROBENZENE		MG/M^3	<25		<25
•	CHLOROBENZENE		MG/M ³	<25		<25
•	CHLOROBENZENE		MG/M ³	<25		<25
•	CHLOROETHANE		MG/M ³	<15		<15
•	CHLOROETHANE (EDC)	MG/M^3	<25		<25
•	CHLOROETHENE		MG/M ³	200		150
•	2-DICHLOROETHENE		MG/M^3	<10		<10
	L,2-DICHLOROETHEN	E	MG/M^3	<50		<50
•	CHLOROPROPANE		MG/M^3	<10		<10
•	B-DICHLOROPROPENE		MG/M^3	<10		<10
	,3-DICHLOROPROPE	NE	MG/M ³	<10		30
ETHYLBE			MG/M ³	220		260
	-t-BUTYL ETHER		MG/M ³	<130		<130
	ENE CHLORIDE		MG/M^3	<100		<100
	-TETRACHLOROETHA	NE	MG/M ³	<25		<25
	ILOROETHENE		MG/M ³	300		290
TOLUENE			MG/M ³	6800		1500
	RICHLOROETHANE		MG/M ³	5800 D(2000) E	4:	300 D(2000) E
	RICHLOROETHANE		MG/M ³	<10		<10
	ROETHENE		MG/M ³	21000 D(2000)E	18	3000 D(2000)E
	ROFLUOROMETHANE		MG/M^3	<10		<10
	CHLORIDE		MG/M ³	<25		<25
TOTAL X	YLENES		MG/M ³	710		350
				•		
SURROGA	TES:					
BROMOCH	ILOROMETHANE (%)			106		102
	ROTOLUENE (%)			100		100
	=DILUTED 2000X, A					
*E = ES	TIMATED VALUE, O	VERRANGI	E FOR INST	RUMENTATION	GWB-00674-	SDAD~-

GWB-00674-SPARTON

BROMOCHLOROMETHANE (%)

TRIFLUOROTOLUENE (%)

OGC-002001

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:		

111

106 3WB-00673-SPARTON

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	
BROMODICHLOROM	ETHANE	MG/M^3	<0.02	
BROMOFORM		MG/M^3	<0.05	
BROMOMETHANE		MG/M^3	<0.10	
CARBON TETRACH	LORIDE	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	
DIBROMOCHLOROM	ETHANE	MG/M^3	<0.02	
1,2-DIBROMOETH	ANE (EDB)	MG/M^3	<0.02	
1,2-DICHLOROBE	NZENE	MG/M^3	<0.05	
1,3-DICHLOROBE	NZENE	MG/M^3	<0.05	
1,4-DICHLOROBE	NZENE	MG/M^3	<0.05	
1,1-DICHLOROET	HANE	MG/M^3	<0.03	
1,2-DICHLOROET	HANE (EDC)	MG/M^3	<0.05	
1,1-DICHLOROET	HENE	MG/M^3	<0.02	
CIS-1,2-DICHLO	ROETHENE	MG/M^3	<0.02	
TRANS-1,2-DICH	LOROETHENE	MG/M^3	<0.10	
1,2-DICHLOROPR	OPANE	MG/M^3	<0.02	
CIS-1,3-DICHLO	ROPROPENE	MG/M^3	<0.02	
TRANS-1,3-DICH	LOROPROPENE	MG/M^3	<0.02	
ETHYLBENZENE		MG/M^3	<0.05	
METHYL-t-BUTYL	ETHER	MG/M^3	<0.25	
METHYLENE CHLO	RIDE	MG/M^3	<0.20	
1,1,2,2-TETRAC	HLOROETHANE	MG/M^3	<0.05	
TETRACHLOROETH	ENE	MG/M^3	<0.05	
TOLUENE		MG/M^3	<0.05	
1,1,1-TRICHLOR	OETHANE	MG/M^3	<0.10	
1,1,2-TRICHLOR	OETHANE	MG/M^3	<0.02	
TRICHLOROETHEN	E	MG/M^3	<0.03	
TRICHLOROFLUOR	OMETHANE	MG/M^3	<0.02	
VINYL CHLORIDE	1	MG/M^3	<0.05	
TOTAL XYLENES		MG/M^3	<0.05	
SURROGATES: BROMOCHLOROMET TRIFLUOROTOLUE			105 101	572-SPARTON
			GMB-00	
OGC-002002 -				

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 EXTRACTE	ED : NA
PROJECT #	: 2Q96-SVP		DATE ANALYZEI	: 06/27/96
PROJECT NAME	: SOIL GAS VP-1		DIL. FACTOR	: 1
PARAMETER		UNITS		
BENZENE		MG/M ³	<0.05	
BROMODICHLOROM	IETHANE	MG/M^3	<0.02	
BROMOFORM		MG/M^3	<0.05	
BROMOMETHANE		MG/M^3	<0.10	
CARBON TETRACH	ILORIDE	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	
DIBROMOCHLOROM	IETHANE	MG/M^3	<0.02	
1,2-DIBROMOETH	IANE (EDB)	MG/M^3	<0.02	
1,2-DICHLOROBE	NZENE	MG/M^3	<0.05	
1,3-DICHLOROBE	CNZENE	MG/M^3	<0.05	
1,4-DICHLOROBE		MG/M^3	<0.05	
1,1-DICHLOROET		MG/M^3	<0.03	
1,2-DICHLOROET		MG/M^3	<0.05	
1,1-DICHLOROET	•	MG/M^3	<0.02	
CIS-1,2-DICHLO		MG/M^3	<0.02	
TRANS-1,2-DICH		MG/M^3	<0.10	
1,2-DICHLOROPR		MG/M^3	<0.02	
CIS-1,3-DICHLO	ROPROPENE	MG/M^3	<0.02	
TRANS-1,3-DICH		MG/M^3	<0.02	
ETHYLBENZENE		MG/M^3	<0.05	
METHYL-t-BUTYL	ETHER	MG/M^3	<0.25	
METHYLENE CHLO	RIDE	MG/M^3	<0.20	
1,1,2,2-TETRAC	HLOROETHANE	MG/M^3	<0.05	
TETRACHLOROETH	ENE	MG/M^3	<0.05	
TOLUENE		MG/M^3	<0.05	
1,1,1-TRICHLOR	OETHANE	MG/M^3	<0.10	
1,1,2-TRICHLOR	OETHANE	MG/M^3	<0.02	
TRICHLOROETHEN	E	MG/M^3	<0.03	
TRICHLOROFLUOR	OMETHANE	MG/M^3	<0.02	
VINYL CHLORIDE		MG/M^3	<0.05	
TOTAL XYLENES		MG/M^3	<0.05	
		,		
SURROGATES:	11AND (%)		104	
BROMOCHLOROMET			104	
TRIFLUOROTOLUE	NE (8)		102 GWE	3-00671-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/M^3

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

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) = ------ X 100

Average Result

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CHAIN OF CUSTODY ATI LAB I.D. Analytical Technologies, Inc., Albuquerque, NM 606346 DATE: 6-25-96 PAGE 1 OF 1 San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque PROJECT MANAGER: ANALYSIS REQUEST & Unreg. COMPANY: Base/Neutral/Acid Compounds GC/MS (625/8270) Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020) ADDRESS: **Reg** Nm 87114 Secondary Standards - Federal SDWA Secondary Standards - Arizona 5300 Chlorinated Hydrocarbons (601/8010) 502.2 PHONE: Volatile Organics GC/MS (624/8240) SDWA Primary Standards - Federal Standards - Arizona Aromatic Hydrocarbons (602/8020) Polynuclear Aromatics (610/8310) FAX: Petroleum Hydrocarbons (418.1) RCRA Metals by Total Digestion The 13 Priority Pollutant Metals SDWA Volatiles (502.1/503.1), RCRA Metals by TCLP (1311) Pesticides/PCB (608/8080) (MOD 8015) Gas/Diesel BILL TO: Herbicides (615/8150) BTXE/MTBE (8020) **COMPANY:** SDWA Primary 4901 ADDRESS: SDWA (**SAMPLE ID** DATE TIME MATRIX LABID -01 Zone 6, 270 10-25 9 0921 247 0939 10 Ħ -152 0953 16 lc - ロる 1032 te 11 -04 " 1105 lı ١s -05 1128 -66 SAMPLED & RELINQUISHED BY: 1. **RELINQUISHED BY:** PROJECT INFORMATION SAMPLE RECEIPT **RELINQUISHED BY:** Signature: Time: Signature: Time: PROJ. NO.: 2096-5VF NO. CONTAINERS Y (N) NA PROJ. NAME: So. 1 Gas 1P-**CUSTODY SEALS** finted Name: Printed Name: Printed Name: Date: Date: P.O. NO.: RECEIVED INTACT Company: Company: Company: SHIPPED VIA: Delivered NAAI 892-5360 RECEIVED COLD 24.7 PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS RECEIVED BY: RECEIVED BY: RECEIVED BY: (LAB) (NORMAL) X WEEK (RUSH) □ 24hr □ 48hr □ 72hr □ 1 WEEK Signature: Time: Time: Signature: Comments: Fax prehim dated to our Printed Name: Date: Printed Name: Date: Company: Company: Analytical Technologies, Inc

DEPARTMENT OF HEALTH

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

SLD No.: OR-9602069 REQUEST ID No.: 151914 6/25/96 RECEIVED AT SLD: 55321 SLD COPY USER

SAMPLE	COLLECTION:
O ==	00465011011.

DATE: 6/25/96

TIME: 11:28

BY: Pine

SAMPLE MATRIX: Gas

SAMPLING LOCATION: Sparton VP-1 @ 10 feet

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED: DATE ANALYZED: AIR SAMPLE VOL (ml):

NA 6/26/96 0.025

1 Days: Within EPA Analysis Time

ANALYSIS No.: OR-9602069 SLD BATCH No .: 294a&d 40.00 DILUTION FACTOR: REQUEST ID No.: 151914

	Barometric Pressure During Analayis in mm of Mercury: 636	mm				
CAS#	ANALYTE NAME	CONCEN	TRATION	QUAL.	SDL	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) n-Butylbenzene	31415		U	2000.0	827.4
104-51-8	n-Butylbenzene	ৰ	7	U	200.0	44.5
135-98-8	sec-Butylbenzene		8	U	200.0	44.5
98-06-6	tert-Butylbenzene /o	. 2	03/	U	200.0	44.5
1634-04-4	tort-Butyl methyl other (MTRE)	20	6)	U	2000.0	677.0
56-23-5	Carbon tetrachloride	11.11	0	U	200.0	38.7
108-90-7	Chlorobenzene (monochlorobenzene)	UTVI	V920212	U	200.0	52.7
75-00-3	Chloroethane	1400	10/	U	200.0	91.6
67-66-3	Chloroform*		\display \(\frac{1}{2} \rightarrow \frac{1}{2} \right	U	200.0	50.1
74-87-3	Chlorotoluene 4-Chlorotoluene 4-Chlorotoluene	.1	9/	U	200.0	119.1
95-49-8	2-Chlorotoluene	700	/	U	200.0	47.3
106-43-4	4-Chlorotoluene	2967		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			υ	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		201 C 2012	U	200.0	37.7
103-65-1	Propylbenzene		Str. 1-confed	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 BATC	H QUALITY CONTROL SUMMA	ARY	
SURROGATE	SURROGATE COMPOUNDS		CONCENTRATION	% RECOVERY
RECOVERIES:	Toluene - D8		19400	97.0%
ĺ	4 - Bromofluorobenzene		16800	84.0%
	1,2 - Dichlorobenzene - D4		22600	113.0%
LABORATORY	The % recoveries for compounds in the batch	spike were from 80% to 1	20% with the	
FORTIFIED	exception of the compounds listed below	w:		
BLANK	COMPOUND	TARGET CONC. (uG/L)	% RECOVERY	
RECOVERIES	2,2-Dichloropropane	50	172%	
	2-Butaonone	50	79%	
	Tetrahydrofuran	200	79%	
	Benzene	50	61%	
LABORATORY	No target compounds were detected above the	sample detection limit in l	aboratory blank	
BLANKS	with the ecxeption of the compound(s)	isted below:		
	COMPOUND No Esception	CONCENTRATIONS	N (mg/L)	
	His to			

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 quanitation can be given (~5 * SDL)

U No analyte was detected above the Sample Detection Limit.

Sample Detection Limit - The lowest concentration which can be differentiated from Zero with SDL

ug/L

L96T00-D50-

99% confidence taking sample size (compositing) into account.

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

SCIENTIFIC LABORATORY DIVISION			and a page	SLD No. OF	R96- 2069-B
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM Organic Chemistry Section - Telephone: (505) 841-			1	Date Passived:	
2 Head State Control of the Control	 1	Request ID No. 1519		Received:	7 [H*1" or "2".
				Code #:	3 (If 1 or 2, call ED-SLD Coordinator
5 Facility		6 County:	1 11	7 City:	8 Stat
Name: Sparton		Berna	lillo	Albuquer	pue N.M
Sample Sparton V.P	1, 1,	0, , F, Q	.e.t.		
By: Rob Pilne		On: 96	106/25		#12181 hrs
First L a s t		Date	: (YY/MM/DD)		24 hr. clock 00 pm = 1500 hrs.
11 Codes: 4, 1, 8 Submitter WSS #	Organi	zation	12 Latitu	ude (DDMM,SS) I I I e (DDDMMSS)	" 2 Digit ID (ff needed)
13 Report Name P als Pung 14 P	hone #:	7-0178	, , ,		1 1 1
	02		15	Sampling In	formation:
NMED / Assessment & Abater	nent Sec	tiori	Sample Purpo		
P.O. Box 26110			☐- Complian	onitoring T-Equal	Proportioned Aliquot
Santa Fe, NM 87502			- Confirma - Special	ition ☐ - Sample S ☐ - Chain of C	plit w/Permittee
6 Field Data: pH: , Conductivity:umhos/c		perature:	° Chlorine C, Residua		
Sample Source:	18 Field Remarks:				
☐-Stream ☐-Entry Point to Distribution ☐-Lake ☐-Well; Depth:		Project C	Code: 51	5	
□-Drain					
☐-Pool ☐-Distribution ☐-WWTP ☐-Other:					
9 Sample Type:	20 Preserva	ition:			
- Wastewater · 1 - Chlorinated - Soil,	☐ - NP ☐ - P-Ice ☐ - P-TS ☐ - P-HCI	No Preservation Sample stored Sample Prese Sample Prese	d in an ice bath (erved with Sodiur erved with Hydro		nove chlorine residua s/40 ml)
Analyses Requested: Please check the appropria required. Whenever possib below whenever highly con Volatile Screens:	ole, list specific	c compounds mples are sus	s suspected o	or required, and r	
- (753) Aliphatic Headspace (Qualitative Screen) - (754) Aromatic & Halogenated Purgeables (EPA 60) - (765) Mass Spectrometer Purgeables (EPA 624) - (766) SDWA Total Trihalomethanes (EPA 501.1) - (774) SDWA VOC's I [21 REGULATED +] (EPA 502) - (775) SDWA VOC's II [EDB & DBCP] (EPA 504) - (790) Composite Sample for Analysis No.	2.2)	- (755) B - (756) B - (756) B - (772) C - (758) H - (759) H - (751) H - (760) C - (761) C	lase/Neutral Base/Neutral/Carbamate Perelecides, Charles Trickles, Trickles	Extractables (EP/Acid Extractable sticides (EPA 53 alorophenoxy Aciazine (EPA 507) Fuel Screen (EP/Le Pesticides (EP/Late Pest	es (EPA 8270) 1.1) id (EPA 515.1) A M-8015) PA 505) EPA 507)
Other Specific Compounds or Class	ses:	☐ - (762) S	DWA Synthet	d Biphenyls (PCI tic Org. Cmpds. m Hydrocarbons	(SLD 758/760)
Remarks:					
1:10 PH 1:10	` 9E				

STATE OF NEW MEXICO

DEPARTMENT OF HEALTH

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 55321 USER

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: DATE ANALYZED: AIR SAMPLE VOL (ml):

N/A 6/26/96 0.05

1 Days: Within EPA Analysis Time

ANALYSIS No.: OR-9602064 294a&d SLD BATCH No .: **DILUTION FACTOR:** 20.00 REQUEST ID No.: 151909

Barometric Pressure During Analayis in mm of Mercury:

636

CAS#	ANALYTE NAME	CONCEN	TRATION	QUAL.	SDL	SDL
		uG/L (air)	ppm V/V	L	uG/L	ppm V/V
71-43-2	Benzene			U	100.0	38.2
108-86-1	Bromobenzene			IJ	100.0	19.0
74-97-5	Bromochloromethane			C	100.0	23.1
75-27-4	Bromodichloromethane*			U	100.0	18.2
75-25-2	Bromoform*			υ	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> </u>	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

		Ü	100.0	18.9
		U	100.0	24.8
		U	100.0	28.6
		U	100.0	17.7
		U	100.0	17.7
170	29		100.0	17.9
		U	1000.0	413.7
		U	100.0	32.4
		U	100.0	16.5
		U	100.0	16.5
3800	840		100.0	22.4
		U	100.0	22.4
10000	2300	İ	100.0	22.7
		U	100.0	21.6
		U	100.0	20.3
		U	100.0	24.8
		U	100.0	24.8
		U	100.0	48.0
		U	100.0	28.1
		U	100.0	
0.0	0.0	U	100.0	
_	0.0	0.0 0.0	0.0 0.0 U	0.0 0.0 U 100.0

SURROGATE	SURROGATE COMPOUNDS	C	ONCENTRATION (uG/L)	% RECOVERY
RECOVERIES:	Toluene - D8		10100	101.0%
	4 - Bromofluorobenzene		9500	95.0%
	1,2 - Dichlorobenzene - D4		11300	113.0%
LABORATORY	The % recoveries for compounds in the batch	spike were from 80% to 1	20% with the	
FORTIFIED	exception of the compounds listed below			
BLANK	COMPOUND	TARGET CONC. (uG/L)	% RECOVERY	
RECOVERIES	2,2-Dichloropropane	50	172%	
	2-Butanone	50	79%	
	Tetrahydrofuran	200	79%	
	Benzene	50	61%	
LABORATORY	No target compounds were detected above the	sample detection limit in la	aboratory blank	
BLANKS	with the ecxeption of the compound(s) li	sted below:		
	COMPOUND	CONCENTRATIO	N (mg/L)	
	No Exception	ıs		

ANALYST: Patrick Basile QC APPROVED BY: Ken Sherrell				(-0)
	ANALYST:	Patrick Basile	Ken Sherrell	(3

DEFINITIONS

Concentration Exceeds EPA's allowable Maximum Contamination Level

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

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

Qualifier of analytical results as follows: QUAL

B Analyte was detected in laboratory blank

J Analyte was detected at a level below which an accurate quanitation can be given (~5 * SDL)

U No analyte was detected above the Sample Detection Limit.

Sample Detection Limit - The lowest concentration which can be differentiated from Zero with SDL

99% confidence taking sample size (compositing) into account.

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

ORGANIC CH	EMISTRY ANALYTICAL REQU	EST FORM	Л				
î SC	CIENTIFIC LABORATORY DIVISION				SLD No.	OR96- 2	2064-B
	DE SALUD N.E., ALBUQUERQUE, NM		_		Date	L *********	in the second se
	emistry Section - Telephone: (505) 841		Reque	st	ceived:		(4111 - 1974
2 User Code #:	5, 5, 3, 2, 1 3 Requ		ID INO.	151909-B	Priorit Code		[If "1" or "2", call ED-SLD Coordinator
5 Facility Name:	parton		6 County: Berna	1 11	7 City:	verkul	8 Stat
9 Sample Location: 5	P, a, r, t, o, n, V, P, -	1, 6	0, 15,0	1811			[
10 Collected	Pala Pina		On: 96	106/25	1/	21912	1016
By:	Rob Pinne			(YY/MM/DD)	At: Tin	ne: 24 hr. ch 3:00 pm = 1	Ohrs
11 Codes:		sa macana , menaganyaga	den (f. 1.) for de la 1965 et 19 - un	12 Latitu	rde (DOWN		oo ns.
_4 , 1 , 8 Submitte	r WSS#	Organ	ization	Longitude	DDDMMS	S) "	2 Digit ID (If needed)
13 Report Nan To:	"Rob Pine 14 F	Phone #: 82	27-0178	<u></u>			
Address NME				15 Sample Purp	☐- Gra		On: (Composite
P.O.	Box 26110			☐- Complian	nce	Flow Proportion	time Perior
City, State Zip Sant	ta Fe, NM 87502			☐- NMED M ☐- Confirma ☐- Special	ition 🔲 - San	Equal Aliquot nple Split w/Polin of Custody	ermittee
16 Field Data: PH:	, Conductivity: umhos/	cm @ Tem	perature:	C, Residua	e al:	mg/l, Flow:_	
17 Sample Source		18 Field Remarks	•				
!	Entry Point to DistributionWell; Depth:		Project C	ode: 51	5		
☐-Drain	☐-Spring						
☐-Pool □-WWTP	Distribution Other:				****		
septum vi glass jug(□-Wastewater 1□-Chlorinated	- NP - P-Ice - P-TS - P-HC	No Preservation Sample stored Sample Prese I Sample Prese Cl. Sample Prese	on; Sample store d in an ice bath (rved with Sodiu rved with Hydro rved with 20 mg	Not Frozen) m Thiosulfate chloric Acid (2	to remove chic drops/40 mi)	
21 Analyses Req	uested: Please check the appropria						
<u>Volatile S</u>	below whenever highly cor	ntaminated sa	amples are sus	spected. olatile Scr			
☐ - (753) Alipha	atic Headspace (Qualitative Screen)		☐ - (755) B	ase/Neutral	Extractables	s (EPA 625)	
- (765) Mass - (766) SDW/ - (774) SDW/ - (775) SDW/	atic & Halogenated Purgeables (EPA 6 Spectrometer Purgeables (EPA 624) A Total Trihalomethanes (EPA 501.1) A VOC's I [21 REGULATED +] (EPA 50 A VOC's II [EDB & DBCP] (EPA 504) posite Sample for Analysis No.	2.2)	- (772) C - (758) H - (759) H - (751) H - (760) C	ase/Neutral/ arbamate Pe erbicides, Ch erbicides, Tri ydrocarbon I rganochlorin	sticides (EF nlorophenox azine (EPA Fuel Screen e Pesticides	A 531.1) xy Acid (EP/ 507) (EPA M-80 s (EPA 505)	4 515.1) 15)
Othe	er Specific Compounds or Clas	ses:	☐ - (767) P ☐ - (762) S	rganophospl olychlorinate DWA Synthel otal Petroleur	d Biphenyls tic Org. Cm	(PCB's) in pds. (SLD 7	Oi i 58/760)
<u> </u>				Ciair Ciroledi	yaroodi		क्षा कृति । अ
Remarks:	01:1 Hd SZNAF 98						
	SS NOT OF						
	OGC-001935						
11 2 2010 00 -	000 00200		D1 -	SO DETAINLA	CORV of	our comple	tod form

DEPARTMENT OF HEALTH

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

REFORT	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 55321 USER

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: DATE ANALYZED: AIR SAMPLE VOL (ml):

N/A 6/26/96 0.05

1 Days: Within EPA Analysis Time

ANALYSIS No.: OR-9602065 294a&d SLD BATCH No .: **DILUTION FACTOR:** 20.00 REQUEST ID No .: 151910

Barometric Pressure During Analayis in mm of Mercury:

636 mm

CAS#	ANALYTE NAME	ANALYTE NAME CONCENTRATION		ATION QUAL. S		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)			υ	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> </u>	U	100.0	30.7
156-60-5	trans-1,2-Dichloroethene			U	100.0	30.7
78-87-5	1,2-Dichloropropane	<u> </u>		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			Ü	100.0	22.1
75-09-2	Methylene chloride (Dichloromethane)			Ü	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			υ	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	

SURROGATE	SURROGATE COMPOUNDS		CONCENTRATION	% RECOVERY
RECOVERIES:	Toluene - D8		10200	102.0%
	4 - Bromofluorobenzene		8790	87.9%
	1,2 - Dichlorobenzene - D4		11600	116.0%
LABORATORY	The % recoveries for compounds in the batch	spike were from 80% to 1	20% with the	
FORTIFIED	exception of the compounds listed below	v:		
BLANK	COMPOUND	TARGET CONC. (uG/L)	% RECOVERY	
RECOVERIES	2,2-Dichloropropane	50	172%	
	2-Butanone	50	79%	
	Tetrahydrofuran	200	79%	
	Benzene	50	61%	
ABORATORY	No target compounds were detected above the			Access of the control
BLANKS	with the ecxeption of the compound(s) li		•	
	COMPOUND No Exception	CONCENTRATIO	N (mg/L)	

ANIALNOT		OC APPROVED BY:	14 Ob II	165
ANALYST:	Patrick Basile	QC APPROVED BY:	Ken Sherrell	

DEFINITIONS

ug/L

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 quanitation can be given (\sim 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.

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

OHGANIC CHEMISTRY ANALYTICAL REQU	EST FORM	0	IDN-	· -)
SCIENTIFIC LABORATORY DIVISION		S	LD No. 0R96- 206	i 5 -B
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NA		D	late	فرداد
Organic Chemistry Section - Telephone: (505) 84		1 1 11 1111 1 1	eceived:	
2 User 5, 5, 3, 2, L 3 Req	10 110 1	51910-B	Priority 3 [H	1"1" or "2", all ED-SLD
	0.1. 0. 2000		Code #: co	oordinator
5 Facility	6 Count	· , , , ,	7 11 H	8 State
Name: Sparton	Bern	alillo /	Albuquerque L	N _, M
9 Sample S D a z + z > P			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	
Location: 5, P, a, r, t, o, h, V, P, -	1 50 F	e-1 2, t, ,		Į
10 Collected		autorian de la constitución de l		
<u> </u>	On: 91	106/25	At: 0 9 3 5	hrs
First <u> Lla s t</u>	Da	te: (YY/MM/DD)	Time: 24 hr. clock 3:00 pm = 1500 hrs	s.
11 Codes:		12 Latitude	ODMMŞS)	
4,1,8,,,				Digit ID
Submitter WSS #	Organization	Longitude (DDDMMSS) "	f needed)
13 Report Name Rob Pine 14 F	Phone #: 827-0178			
Address NMED / Assessment & Abate		15	Sampling Information:	
	THEIR SECTION	Sample Purpose		Composite ime Period
P.O. Box 26110		- Compliance	- Flow Proportioned	
City, State Zip Santa Fe, NM 87502		- Confirmation	☐ - Sample Split w/Permitt	tee
16 Field		Chlorine	☐- Chain of Custody	
Data: pH: Conductivity:umhos,		C, Residual: _	mg/l, Flow:	
17 Sample Source:	18 Field Remarks:			
-Stream -Entry Point to Distribution		Code: 515		
□-Lake □-Well; Depth: □-Drain □-Spring	1.0,000			-
☐-Pool ☐-Distribution				
WWTPOther:				
19 Sample Type:Water Unchlorinated	20 Preservation:			
☐-Wastewater · 【☐-Chlorinated ☐-Soil, ☐-Food, ■-Other	_	ation; Sample stored a red in an ice bath (Not		
This form accompanies a single sample consisting of:	- P-TS Sample Pre	served with Sodium Ti	hiosulfate to remove chlorine r	residual
- septum vial(s) (volume = ml ea.)	- P-HCI Sample Pre		oric Acid (2 drops/40 ml)	
- glass jug(s) (volume = ml ea.)	Other	served with 20 mg/m	ercane Cinoriae	
- Tedlar bag (volume =)				
21 Analyses Requested: Please check the appropri				y r x skiji
required. Whenever possil below whenever highly cor	oie, list specific compoun	as suspected or re uspected	equirea, and note	
Volatile Screens:		iivolatile Scree	ne:	
		ecauscus sistematika sistematika in		
- (753) Aliphatic Headspace (Qualitative Screen)			ractables (EPA 625)	.
- (754) Aromatic & Halogenated Purgeables (EPA 6			id Extractables (EPA 827	'0)
- (765) Mass Spectrometer Purgeables (EPA 624) - (766) SDWA Total Trihalomethanes (EPA 501.1)	· · · · · · · · · · · · · · · · · · ·	Carbamate Pestic	ophenoxy Acid (EPA 515	5 11
- (774) SDWA VOC's I [21 REGULATED +] (EPA 50		Herbicides, Crion	* A	3.17
- (775) SDWA VOC'S II [EDB & DBCP] (EPA 504)			Screen (EPA M-8015)	
- (790) Composite Sample for Analysis No.			esticides (EPA 505)	
		ing the second control of the second control	e Pesticides (EPA 507)	
Other Specific Compounds or Clas			iphenyls (PCB's) in Oil	
			Org. Cmpds. (SLD 758/7	
		Total Petroleum H	lydrocarbons (EPA 418.1	1)
lemarks:				
SS PM 1: 10	Voc oc			
- Nd 3C	AIII 30			

STATE OF NEW MEXICO

DEPARTMENT OF HEALTH

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 6/25/96 RECEIVED AT SLD: SKD COPY 55321 USER

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 9:50

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 40 feet SAMPLE MATRIX:

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATÉ EXTRACTED: DATE ANALYZED: AIR SAMPLE VOL (ml):

N/A 6/26/96 0.025

1 Days: Within EPA Analysis Time

ANALYSIS No.: OR-9602066 SLD BATCH No .: 294a&b&d 40.00 DILUTION FACTOR: REQUEST ID No .: 151911

	Barometric Pressure During Analayis in mm of Mercury: 63	6				
CAS#	ANALYTE NAME	CONCEN	TRATION	QUAL.	SDL	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*			υ	200.0	23.5
24-83-9	Bromomethane			υ	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> </u>	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	1		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		1	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	1		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		1	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			υ	200.0	32.9
71-55-6	1,1,1-Trichloroethane	6600	1500		200.0	44.8
79-00-5	1,1,2-Trichloroethane			υ	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*			υ	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 BATC	H QUALITY CONTROL SUM	MARY	
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%
_ABORATORY	The % recoveries for compounds in the batch	spike were from 80% to	120% with the	
FORTIFIED	exception of the compounds listed below	w:		
BLANK	COMPOUND	TARGET CONC. (uG/L	% RECOVERY	
RECOVERIES	2,2-Dichloropropane	50	172%	
	2-Butaonone	50	79%	
	Tetrahydrofuran	200	79%	
	Benzene	50	61%	
LABORATORY	No target compounds were detected above the	e sample detection limit in	n laboratory blank	
BLANKS	with the ecxeption of the compound(s)	isted below:	-	
	COMPOUND No Exception	CONCENTRAT	TION (mg/L)	

				100
ANALYST:	Patrick Basile	QC APPROVED BY:	Ken Sherrell	67

DEFINITIONS

ug/L

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 quanitation 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.

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

OHGANIC CHEMISTRY ANALYTICAL REQUI	EST FORM	Л				·
SCIENTIFIC LABORATORY DIVISION				SLD No.	OR96- 20	66-B
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM	87106			Date .	1915 - Leader Manhager	
Organic Chemistry Section - Telephone: (505) 841		Request		Received		
2 User 5, 5, 3, 2, 1 ID No		ID No. 1519	911-B	4 Priorit		[if "1" or "2", call ED-SLD Coordinator]
Sparton Sparton		6 County: Berna		7 Clty:	in the total	8 State
		172011100	11110	(1)	Jour frac	[
Location: S. P. a. r. t. o. h. V. P	1, 4,	0, F,e	et,			
By: Rob Pine		On: 96	106/25			hrs
First L a s t		Date	(YY/MM/DD)		Tie: 24 hr. clo 3:00 pm = 15	00 hrs.
11 Codes:			12 Latitu	o (DDMI	1,53 <i>)</i> 11	
4, 1, 8 Submitter WSS #	Organ	ization	Longitude	DDDMMS	s) "	2 Digit ID (If needed)
10.	Phone #: 82		<u> </u>	Samo	ling Information	
Address NMED / Assessment & Abater	nent Sec	ction	15 Sample Purpo	☐- Gra	ıb _	(Composite
P.O. Box 26110			Complian	ce	nposite Flow Proportio	town the second
City, State Zip Santa Fe, NM 87502			☐- NMED Mo ☐- Confirma ☐- Special	tion 🗀 - Sar	Equal Aliquot nple Split w/Pe ain of Custody	rmittee
Tield Data: pH: , Conductivity: umhos/		perature:	Chlorine C, Residua		mg/l, Flow:_	
17 Sample Source:	18 Field Remarks	:				
☐-Stream ☐-Entry Point to Distribution ☐-Lake ☐-Well; Depth:	1,000,000		ode: 51	5		
☐-Drain ☐-Spring						≂
☐-Pool ☐-Distribution				· · · · · · · · · · · · · · · · · · ·		
-Other:	OO Brooms	otion:				
19 Sample Type: —-Water —-Unchlorinated —-Wastewater —-Chlorinated	☐- NP	No Preservation	on; Sample store		nperature	
- Soil, - Food, - Other Air	P-Ice		d in an ice bath (i rved with Sodiur		to remove chic	rine residual
This form accompanies a <u>single sample</u> consisting of: - septum vial(s) (volume = ml ea.)		I Sample Prese	rved with Hydro	chloric Acid (2	2 drops/40 ml)	
- glass jug(s) (volume =ml ea.)	- P-Hg(Cl ₂ Sample Prese	rved with 20 mg,	/I Mercuric Ci	nioride	
i - Teðlar bag (volume =)						
21 Analyses Requested: Please check the appropria required. Whenever possible below the appropriate the property of the proper	ole, list specif	ic compounds	suspected o	analytical s r required,	and note	
below whenever highly con <u>Volatile Screens:</u>	itammateu Se	- 10 T0000000000000000000000000000000000	rolatile Scr	eens:		
- (753) Aliphatic Headspace (Qualitative Screen)			ase/Neutral E			
(754) Aromatic & Halogenated Purgeables (EPA 6	01/2)		ase/Neutral/ arbamate Pe			8270)
- (765) Mass Spectrometer Purgeables (EPA 624) - (766) SDWA Total Trihalomethanes (EPA 501.1)			erbicides, Ch		nin Markataban, a Naminahan Propinsi Amerikan Sala	(515.1)
- (774) SDWA VOC's I [21 REGULATED +] (EPA 50	2.2)		erbicides, Tri			
- (775) SDWA VOC's II [EDB & DBCP] (EPA 504)		- (751) H	ydrocarbon F	uel Screer	(EPA M-801	15)
- (790) Composite Sample for Analysis No			rganochlorin			
Other Specific Compounds or Class	cec.		rganophosphological representation of the communication of the communica			
	<u>303.</u>		DWA Synthet			
吊-}		and the second s	otal Petroleun			
Remarks:		 	e en mingely, less egypte			
OF I MA SS NOT	96					
- 1.0 TO MILE						

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 6/25/96 RECEIVED AT SLD: SLD COPY USER 55321

SAMPLE COLLECTION:

DATE: 6/25/96

SAMPLE MATRIX: Gas

TIME: 10:32

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 30 feet

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED: DATE ANALYZED: AIR SAMPLE VOL (ml):

N/A 6/26/96 0.025

1 Days: Within EPA Analysis Time

ANALYSIS No.: OR-9602067 294b&d SLD BATCH No.: 40.00 **DILUTION FACTOR:** REQUEST ID No .: 151912

	Barometric Pressure During Analayis in mm of Mercury:	636				
CAS#	ANALYTE NAME	CONCEN	TRATION	QUAL.	SDL	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	Bromochioromethane			U	200.0	46.2
75-27-4	Bromodichloromethane*			υ	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*			Ü	200.0	50.1
74-87-3	Chloromethane			U	200.0	119.1
95-49-8	2-Chlorotoluene			Ü	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))			Ü	200.0	31.7
74-95-3	Dibromomethane			U	200.0	63.4
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			Ü	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	1300	300	Ü	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			Ü	200.0	52.7
563-58-6	1,1-Dichloropropene			Ü	200.0	53.7
1006-01-5	cis-1,3-Dichloropropene			U	200.0	
1006-01-5	trans-1,3-Dichloropropene			U	200.0	53.7 53.7
100-02-6	Ethylbenzene	470	40			
87-68-3	Hexachlorobutadiene	170	48	J	200.0	56.2 22.8
98-82-8						
99-87-6	Isopropylbenzene			U	200.0	49.6
75-09-2	4-Isopropyltoluene Methylene chloride (Dichloromethane)			U	200.0	44.1
/5-09-2	wetrylene 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			υ	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

SURROGATE	SURROGATE COMPOUNDS		CONCENTRATION	% RECOVERY
RECOVERIES:	Toluene - D8		19900	99.5%
	4 - Bromofluorobenzene		18200	91.0%
	1,2 - Dichlorobenzene - D4		23500	117.5%
LABORATORY	The % recoveries for compounds in the batch	spike were from 80% to 1	20% with the	
FORTIFIED	exception of the compounds listed below	V:		
BLANK	COMPOUND	TARGET CONC. (uG/L)	% RECOVERY	
RECOVERIES	2,2-Dichloropropane	50	172%	
	2-Butaonone	50	79%	
	Tetrahydrofuran	200	79%	
	Benzene	50	61%	
LABORATORY	No target compounds were detected above the			
BLANKS	with the ecxeption of the compound(s) li	sted below:		
	COMPOUND	CONCENTRATIO	N (mg/L)	
	No Exception	าร		

ANALYST: Patrick Basile QC APPROVED BY: Ken Sherrell	ンし		
	\preceq	<u>)</u>	

DEFINITIONS

ug/L

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 quanitation 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.

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

ORGANIC CHEMISTRY ANALYTICAL REQUI	EST FORM		[OR96- 2067	I-B
SCIENTIFIC LABORATORY DIVISION			SLD No.	OK36- 5001)
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM	0570		Date	465	
Organic Chemistry Section - Telephone: (505) 841	Nequest		Received:		
2 User 5, 5, 3, 2, 1 3 Required to 10 No.	7.:	151912-B	4 Priority Code #	#: Coord	or 77, D-SLD dinator]
Sparton	6 Count Bern		7 Clty: Albuq	 -	State _ M
Sample Location: Sparton, toh, V.P	1, 3,0, F	e, e, ti			
By: Rob Pine		/06/25 te: (YY/MM/DD)	At: 1		hrs.
11 Codes:	Andreas Contract to the Contract Section Contract.	12 Latiti	ude (DDMM		
4 1 8 Submitter WSS #	Organization	Longitude	e (DDDMMSS)	2 Dig	git ID eded)
To: Name Rob Pine 14 P	hone #: 827-0178			ng Information:	
Address NMED / Assessment & Abaten	nent Section	15 Sample Purp	☐- Grab)	nposite
P.O. Box 26110		☐- Compliar	nce		Period)
City, State Zip Santa Fe, NM 87502		☐- Confirma ☐- Special	ition 🔲 - Sami	ple Split w/Permittee n of Custody	,
16 Field Data: pH: , Conductivity: umhos/o		o Chlorina C, Residua	e al:m	ng/l, Flow:	
	18 Field Remarks:				
☐-Stream ☐-Entry Point to Distribution ☐-Lake ☐-Well; Depth:	Project	Code: 51	5		
☐-Drain ☐-Spring					
☐-Pool ☐-Distribution ☐-WWTP ☐-Other:					
19 Sample Type: —-Water ——-Unchlorinated	20 Preservation:				
□-Wastewater \ □-Chlorinated	- NP No Preserva	tion; Sample store ed in an ice bath (perature	
☐-Soil, ☐-Food, ☐-Other Ath This form accompanies a single sample consisting of:	P-TS Sample Pre	served with Sodium	m Thiosulfate to	remove chlorine res	sidual
- septum vial(s) (volume = ml ea.)	- P-HCI Sample Pre	served with Hydro			
- glass jug(s) (volume =ml ea.)	- Other	served with 20 mg	/ Nercuric Cris	Silde	
i - Tedlar bag (volume =)					
21 Analyses Requested: Please check the appropriate required. Whenever possible below whenever highly contact the second	le, list specific compound	ds suspected o			
Volatile Screens:	um um ibritatus vas materialistas album marinum 👚 👚 maidilia	ivolatile Scr	eens:		
- (753) Aliphatic Headspace (Qualitative Screen)	- (755)	Base/Neutral I	Extractables	(EPA 625)	 33.7 70.55
- (754) Aromatic & Halogenated Purgeables (EPA 60))1/2) (756)	Base/Neutral/	Acid Extract	ables (EPA 8270)	
(765) Mass Spectrometer Purgeables (EPA 624)		Carbamate Pe			1000
 ☐ - (766) SDWA Total Trihalomethanes (EPA 501.1) ☐ - (774) SDWA VOC's [21 REGULATED +] (EPA 502 		Herbicides, Cr Herbicides, Tri		y Acid (EPA 515.1	1
- (774) SDWA VOC'S II [EDB & DBCP] (EPA 504)	- 1 100 A	Hydrocarbon F	10.0	A CONTRACT OF THE PROPERTY OF	
- (790) Composite Sample for Analysis No.		Organochlorin		The Arthresia (1990) 1990 19	
	- (761)	Organophospi			- 11
Other Specific Compounds or Class		Polychlorinate			,
				ds. (SLD 758/760 oons (EPA 418.1)	"
Remarks:				200	
01:1 M9 25 NUL	96				
	Ju				

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 55321 USER

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: DATE ANALYZED: AIR SAMPLE VOL (ml):

N/A 6/26/96 0.025

1 Days: Within EPA Analysis Time

ANALYSIS No.: OR-9602068 294a&d SLD BATCH No .: **DILUTION FACTOR:** 40.00 REQUEST ID No .: 151913

R9602068.XLS

	Barometric Pressure During Analayis in mm of Mercury:	636				
CAS#	ANALYTE NAME	CONCEN	TRATION	QUAL.	SDL	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			υ	200.0	46.2
75-27-4	Bromodichloromethane*			υ	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)			Ū	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)			Ū	200.0	40.5
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			Ü	200.0	40.5
75-71-8	Dichlorodifluoromethane		-	ū	200.0	49.2
75-34-3	1.1-Dichloroethane			Ü	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	1430	7.0	U	200.0	61.4
156-60-5	trans-1,2-Dichloroethene			Ü	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			Ü	200.0	52.7
563-58-6	1,1-Dichloropropene		-	- u	200.0	53.7
1006-01-5	cis-1,3-Dichloropropene			Ü	200.0	53.7
1006-02-6	trans-1,3-Dichloropropene			U	200.0	53.7
1000-02-0	Ethylbenzene	250	68	-	200.0	56.2
87-68-3	Hexachlorobutadiene	250	00	U	200.0	22.8
98-82-8	Isopropylbenzene			U	200.0	49.6
99-87-6	4-Isopropyltoluene			U	200.0	49.6
75-09-2	4-isopropyitoluene Methylene chloride (Dichloromethane)			U		
/5-09-2	weurylene chloride (Dichloromethane)		<u> </u>		400.0	140.2

9/9/96

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

SURROGATE	JRROGATE SURROGATE COMPOUNDS			% RECOVERY
RECOVERIES:	Toluene - D8		19800	99.0%
	4 - Bromofluorobenzene		16700	83.5%
	1,2 - Dichlorobenzene - D4		23000	115.0%
LABORATORY	The % recoveries for compounds in the batch	spike were from 80% to 1	20% with the	
FORTIFIED	exception of the compounds listed belo	w:		
BLANK	COMPOUND	TARGET CONC. (uG/L)	% RECOVERY	
RECOVERIES	2,2-Dichloropropane	50	172%	
	2-Butaonone	50	79%	
	Tetrahydrofuran	200	79%	
	Benzene	50	61%	
LABORATORY	No target compounds were detected above the	e sample detection limit in la	aboratory blank	
BLANKS	with the ecxeption of the compound(s)	•		
DEFINITO	COMPOUND	CONCENTRATIO	N (mg/l)	
	No Exceptio		11-7111-74-21	

ANALYST:	Patrick Basile	QC APPROVED BY:	Ken Sherrell	8

	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 quanitation 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 REQU	EST FORM			15003
SCIENTIFIC LABORATORY DIVISION			SLD No. OR96-	2068-B
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NN			Date	San
Organic Chemistry Section - Telephone: (505) 841	neduest	11111111111	Received:	
2 User 5,5,3,2,1, 3 Required Code #: 5,5,3,2,1, ID N	ID NO	151913-B	Priority Code #:	3 [if "1" or "2", call ED-SLD Coordinator]
5 Facility	6 Cou	unty:	7 City:	8 State
Name: Sparton	Ber	nalillo	Albuqueren	e NM
9 Sample Location: Sparton, VP-		Tiereiti		
10 Collected				
By: Rob Pine	On:	96 /06/25 Date: (YY/MM/DD)	Time: 241	C 6 hrs.
11 Codes:		12 Latiti		
	1 1 1 1 1		1 1 1 1	" 2 Digit ID
Submitter WSS #	Organization	Longitud	e (DDDMMSS)	(If needed)
13 Report Name Rob Pine 14 F	Phone #: 827-017	-8		
Address NMED / Assessment & Abater		15	Sampling Inform	nation:
P.O. Box 26110	10111 00011011	Sample Purp	ose: - Composite	(Composite
0. 0. 7	71. W.O.	- NMED M	lonitoring 📋 Equal Aliqu	uot
Santa Fe, NM 87502		☐- Special	ation Sample Split w Chain of Custo	y/Permittee ody
16 Field Data: pH: , Conductivity: umhos/	/cm @ Temperature:	° Chlorin C, Residua		w:
17 Sample Source:	18 Field	O, Residua	ai	
☐-Stream ☐-Entry Point to Distribution	Remarks:	ct Code: 51	E	
☐-Lake ☐-Well; Depth:	Floje	Ct Code. 51	<u> </u>	
☐-Drain ☐-Spring ☐-Pool ☐-Distribution				
-WWTP -Other:				
Sample Type:	- NP No Presi - P-Ice Sample - P-TS Sample - P-HCI Sample	stored in an ice bath (Preserved with Sodius	m Thiosulfate to remove echloric Acid (2 drops/40)	
Analyses Requested: Please check the appropria required. Whenever possit below whenever highly con Volatile Screens:	ole, list specific compo ntaminated samples ar	unds suspected o	or required, and note	
☐ - (753) Aliphatic Headspace (Qualitative Screen) ☐ - (754) Aromatic & Halogenated Purgeables (EPA 6) ☐ - (765) Mass Spectrometer Purgeables (EPA 624) ☐ - (766) SDWA Total Trihalomethanes (EPA 501.1) ☐ - (774) SDWA VOC's I [21 REGULATED +] (EPA 501.1) ☐ - (775) SDWA VOC's II [EDB & DBCP] (EPA 504) ☐ - (790) Composite Sample for Analysis No. ☐ Other Specific Compounds or Class ☐ - () ☐ - ()	101/2	56) Base/Neutral/ 72) Carbamate Pe 58) Herbicides, Ch 59) Herbicides, Tri 51) Hydrocarbon P 50) Organochlorin 51) Organophospl 57) Polychlorinate 52) SDWA Synthet	Extractables (EPA 62/Acid Extractables (EA 531.1) nlorophenoxy Acid (Eazine (EPA 507) Fuel Screen (EPA Mee Pesticides (EPA 500) hate Pesticides (EPA 500) tic Org. Cmpds. (SLE m Hydrocarbons (EPA 500) m Hydrocarbons (EPA 5	EPA 8270) EPA 515.1) 8015) 05) . 507) in Oll 0 758/760)
Remarks: 01:1 Wd SZ NNC 96				
96 IIIN 25 PM				
			113-17-1	

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

SLD	No.: OR-	96	02069
REC	QUEST ID No.:	1	51914
	RECEIVED	AT SLD:	6/25/96
SED COPY		USER	55321

SAMPLE COLLECTION:	DATE:	6/25/96	TIME:	11:28	BY: Pine
SAMPLING LOC	CATION:	Sparton VP-1 @ 1	10 feet		

REPORTING UNITS: ug/L SAMPLE MATRIX: Gas

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

ANALYSIS No.: OR-9602069 DATE EXTRACTED: N/A 6/26/96 294a&d DATE ANALYZED: 1 Days: Within EPA Analysis Time SLD BATCH No .: AIR SAMPLE VOL (ml): 0.025 **DILUTION FACTOR:** 40.00 REQUEST ID No .: 151914

	Barometric Pressure During Analayis in mm of Mercury: 6	36 mm				
CAS#	ANALYTE NAME	CONCEN	TRATION	QUAL. SDL		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			υ	200.0	38.7
108-90-7	Chiorobenzene (monochiorobenzene)			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			Ü	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			υ	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			υ	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			υ	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
****						úg/L

URROGATE	SURROGATE COMPOUNDS		CONCENTRATION	% RECOVERY		
RECOVERIES:	Toluene - D8		19400	97.0%		
	4 - Bromofluorobenzene		16800	84.0%		
	1,2 - Dichlorobenzene - D4		22600	113.0%		
ABORATORY	The % recoveries for compounds in the batch	spike were from 80% to 1	20% with the			
FORTIFIED	exception of the compounds listed belo	w:				
BLANK	COMPOUND	TARGET CONC. (uG/L)	% RECOVERY			
RECOVERIES	2,2-Dichloropropane	50	172%			
	2-Butaonone	50	79%			
	Tetrahydrofuran	200	79%			
	Benzene	50	61%			
ABORATORY	No target compounds were detected above the	e sample detection limit in la	aboratory blank			
BLANKS	l Tarani a an a					
	COMPOUND	CONCENTRATIO	N (mg/L)			
	No Exceptio	ns				

ANALYST:	Patrick Basile	QC APPROVED BY:	Ken Sherrell	

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 (\sim 5 $^{\circ}$ 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.

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

ORE ANIC CHEMISTRY ANALYTICAL RE SCIENTIFIC LABORATORY DIVISIO		IM		SLD No.	OR96- 2	069-R
700 CAMINO DE SALUD N.E., ALBUQUERQUE				Date		water area
Organic Chemistry Section - Telephone: (505		Request		Received:		
	Request	ID No. 151	914-B	4 Priority		[If "1" or "2", call ED-SLD
The state of the s	ID No.:	6 County:	ya	Code #	F:	Coordinator]
Sparton		Berna	1 1,	Albua	uem a Ja	N M
		1/20/1/00	1110	17/1000	voi pa-c	[
Location: Sparton, V	P,-1, 1	10, FR	<u>et.</u>			
By: Rob Pilinie		_ On: _ 91	106/25	At: <i>[</i>	1112	_8_ hrs
First Last		Date	(YY/MM/DD)	Tim	3:00 pm = 15	ck 00 hrs.
11 Codes:			12 Latitu	ıde (DDMM	SS) "	
4,1,8, ,,,-,, Submitter WSS #	Orga	anization	Longitude	e (DDDMMSS) "	2 Digit ID (If needed)
13 Report Name Rob Pine	14 Phone #:	327-0178		1_1.		
Address NMED / Assessment & Ab			15 Sample Burn	☐- Grab		On: (Composite
P.O. Box 26110			Sample Purp - Complia	nce 🗀 🗀 F	low Proportio	Time Period
City, State Zip Santa Fe, NM 87502			☐- NMED M ☐- Confirma ☐- Special	ition 🔲 - Sam	equal Aliquot	rmittee
16 Field	mhos/cm @ Te	emperature:	Chlorin C, Residua		n of Custody	
17 Sample Source:	18 Field		O, Residua	ai:''	19/1, 11011	
☐-Stream ☐-Entry Point to Distribution	Pomor		Code: 51	5		
□-Lake □-Well; Depth: □-Drain □-Spring		1 10,000	, , , , , , , , , , , , , , , , , , ,			=
☐-Pool ☐-Distribution					· · · · · · · · · · · · · · · · · · ·	
□-WWTP □-Other:						
☐-Wastewater ☐-Chlorina ☐-Soil, ☐-Food, ☐-Other ☐ ☐-Chlorina ☐-Soil, ☐-Food, ☐-Other ☐ ☐-Chlorina ☐-Soil, ☐-Food, ☐-Other ☐ ☐-Chlorina ☐-Soil, ☐-Chlorina ☐-Chlorina ☐-Soil, ☐-Chlorina ☐-C	P-I ng of:	No Preservati ce Sample store IS Sample Prese HCI Sample Prese HgCl ₂ Sample Prese	on; Sample stored in an ice batherved with Sodiu erved with Hydroerved with Hydroerved with 20 mg	(Not Frozen) m Thiosulfate t chloric Acid (2	o remove chic drops/40 ml)	orine residual
1 - Teðlar bag (volume = 21 Analyses Requested: Please check the app	/ ropriate boy(es)	below to indica	to the type of	analytical sc	roon(e)	es-8880-8880-1 (**155*)
required. Whenever	oossible, list spe	cific compound	s suspected o	or required, a	and note	
below whenever high Volatile Screens:	ly contaminated	\$55599999994 Training Street Aug 5555555555	spected. volatile Scr			
					/== 1 aa=1	
 (753) Aliphatic Headspace (Qualitative Screen (754) Aromatic & Halogenated Purgeables (Inc.) 			Base/Neutral Base/Neutral,			8270)
- (765) Mass Spectrometer Purgeables (EPA 6			Carbamate Pe) UZ
- (766) SDWA Total Trihalomethanes (EPA 50	1.1)		łerbicides, Cl			A 515.1)
- (774) SDWA VOC's I [21 REGULATED +] (E		225 (255 (257)	lerbicides, Tr	*		
- (775) SDWA VOC's II [EDB & DBCP] (EPA 5	04)	C000000000 A 1000000	lydrocarbon Organochlorir			15)
- (790) Composite Sample for Analysis No			Organochioni Organophosp) 7)
Other Specific Compounds or	<u>Classes:</u>	☐ - (767) F	olychlorinate	d Biphenyls	(PCB's) in	Oil
- (·)			DWA Synthe otal Petroleu	The second of The State of Contract of the State of Contract of Co		
Remarks:			otal i etroleu	St. St. St.	BONS (El A -	T10.17
01:1 Hd S	Z NOC OC					
- 1 HO 5	C 13111 3P				100	
		·				

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 & Abatemer	nt Sec.
P.O. Box 26110	
Santa Fe, New Mexico 87502	
1000	

SLD No.: OR-9602068 REQUEST ID No .: 151913 6/25/96 RECEIVED AT SLD: SLD COPY USER 55321

SAMPLE COLLECTION: DATE: 6/25/96

TIME: 11:06

BY: Pine

SAMPLE MATRIX: Gas

SAMPLING LOCATION: Sparton VP-1 @ 20 feet

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

DATE EXTRACTED: DATE ANALYZED: AIR SAMPLE VOL (ml):

N/A 6/26/96 0.025

1 Days: Within EPA Analysis Time

ANALYSIS No.: OR-SLD BATCH No .: DILUTION FACTOR:

REQUEST ID No.:

9602068 294a&d 40.00 151913

CAS#						
	ANALYTE NAME	CONCEN	TRATION	QUAL.	SDL	SDL
		uG/L (air)	ppm V/V		uG/L	ppm V/V
	Benzene			U	200.0	76.4
108-86-1 B	Bromobenzene			U	200.0	37.9
74-97-5 B	Bromochloromethane			υ	200.0	46.2
75-27-4 B	Bromodichloromethane*			U	200.0	36.3
75-25-2 B	Bromodichloromethane* Bromoform* Bromomethane	76		U	200.0	23.5
	Bromomethane	2		U	200.0	62.7
	2-Butanone (MEK)	6/		U	2000.0	827.4
104-51-8 n	n-Butylbenzene	<u>@</u> /		υ	200.0	44.5
135-98-8 s	sec-Butylbenzene	N 3		U	200.0	44.5
	ert-Butylbenzene		-	U	200.0	44.5
1634-04-4 te	ert-Butyl methyl ether (MTBE)	N		U	2000.0	677.0
56-23-5 C	Carbon tetrachloride			U	200.0	38.7
108-90-7 C	Chlorobenzene (monochlorobenzene)	AS/		U	200.0	52.7
	Chloroethane Chloromethane Chloromethane	18		U	200.0	91.6
67-66-3 C	Chloroform*	99/		U	200.0	50.1
74-87-3 C	Chloromethane			U	200.0	119.1
95-49-8 2	P-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
	Dibromochloromethane*			U	200.0	28.6
106-93-4 1.	,2-Dibromoethane (Ethylene dibromide (EDB))			U	200.0	31.7
	Dibromomethane "			U	200.0	63.4
95-50-1 1.	,2-Dichlorobenzene (o-Dichlorobenzene)			U	200.0	40.5
	,3-Dichlorobenzene (m-Dichlorobenzene)			U	200.0	40.5
106-46-7 1.	,4-Dichlorobenzene (p-Dichlorobenzene)			U	200.0	40.5
	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 c	is-1,2-Dichloroethene			U	200.0	61.4
	rans-1,2-Dichloroethene			U	200.0	61.4
	,2-Dichloropropane			U	200.0	52.7
	,3-Dichloropropane			U	200.0	52.7
	2,2-Dichloropropane			U	200.0	52.7
	,1-Dichloropropene			U	200.0	53.7
	is-1,3-Dichloropropene			U	200.0	53.7
1006-02-6 tr	rans-1,3-Dichloropropene			U	200.0	53.7
	thylbenzene	250	68	-	200.0	56.2
	lexachlorobutadiene			U	200.0	22.8
98-82-8 Is	sopropylbenzene			U	200.0	49.6
	-lsopropyltoluene			U	200.0	44.1
	Methylene chloride (Dichloromethane)			U	400.0	140.2

91-20-3	Naphthalene		WALLANDS.	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

SURROGATE	SURROGATE COMPOUNDS		CONCENTRATION	% RECOVERY
RECOVERIES:	Toluene - D8		19800	99.0%
	4 - Bromofluorobenzene		16700	83.5%
	1,2 - Dichlorobenzene - D4		23000	115.0%
LABORATORY	The % recoveries for compounds in the batch sp	ike were from 80% to 1	20% with the	
FORTIFIED	exception of the compounds listed below:			
BLANK	COMPOUND	TARGET CONC. (uG/L)	% RECOVERY	
RECOVERIES	2,2-Dichloropropane	50	172%	
	2-Butaonone	50	79%	
	Tetrahydrofuran	200	79%	
	Benzene	50	61%	
		4		
LABORATORY	No target compounds were detected above the sa	mple detection limit in la	aboratory blank	
BLANKS	with the ecxeption of the compound(s) liste	d below:		
	COMPOUND	CONCENTRATIO	N (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

Qualifier of analytical results as follows: QUAL

B Analyte was detected in laboratory blank

J Analyte was detected at a level below which an accurate quanitation 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.

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

SCIENTIFIC LABORATORY DIVISION	LSTTORM	SLD No.	OR96-2068-B
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NA		Date	
Organic Chemistry Section - Telephone: (505) 841	Request []	Received	
2 User 5, 5, 3, 2, 1 ID N	10 NO 1510	13-B Prior	The call ED-SLD
5 Facility	6 County:		8 State
Name: Sparton	Berna	, , , , , , , , , , , , , , , , , , , ,	——————————————————————————————————————
9 Sample S D a b t a b P		, , ,	Oar be a land
Location: $P_1P_1A_1P_1I_1O_1A_1I_1V_1I_1=$	1, 20, Fre	<u>etiii</u>	<u> </u>
10 Collected Rob Piline	On: 96	/06/25 At:	1 1 0 6 hrs.
First[L]a s t	Date	(YY/MM/DD) Ti	ime: 24 hr. clock 3:00 pm = 1500 hrs.
11 Codes:		12 Latitude (DDM	M,SS)
4,1,8, ,,-,, Submitter WSS #	Organization	Longitude (DDDMMS	SS) 2 Digit ID
13 Report Name Rob Pine 14 F	Phone #: 827-0178		· "
Address NMED / Assessment & Abater	ment Section	□- Gr	
P.O. Box 26110		- Compliance	mposite (Composite - Flow Proportioned
City, State Zip Santa Fe, NM 87502		☐- Confirmation ☐- Sa	- Equal Aliquot mple Split w/Permittee ain of Custody
16 Field Data: pH: , Conductivity: umhos/	cm @ Temperature:	o Chlorine	mg/l, Flow:
17 Sample Source:	18 Field Remarks:		-
☐-Stream ☐-Entry Point to Distribution ☐-Lake ☐-Well; Depth:	Project C	ode: 515	
☐-Lake ☐-Well; Depth: ☐-Drain ☐-Spring			
☐-Pool ☐-Distribution			
	20 Broson/otion:		
19 Sample Type:	- NP No Preservation	n; Sample stored at room te	mperature
- Soil, - Food, - Other Atr This form accompanies a single sample consisting of:		l in an ice bath (Not Frozen) ved with Sodium Thiosulfate	to remove chlorine residual
- septum vial(s) (volume = mi ea.)		ved with Hydrochloric Acid (ved with 20 mg/l Mercuric C	
- glass jug(s) (volume =ml ea.)	Other	ved with 20 mg/1 wercane C	monde
i - Tedlar bag (volume =)			
Analyses Requested: Please check the appropriate required. Whenever possible required.	ite box(es) below to indicat ble. list specific compounds	e the type of analytical s suspected or required.	screen(s) and note
below whenever highly con	taminated samples are sus	pected.	
Volatile Screens:	_ <u>Semiv</u>	olatile Screens:	
- (753) Aliphatic Headspace (Qualitative Screen)		ase/Neutral Extractable	22.400.7000.0000.00000
- (754) Aromatic & Halogenated Purgeables (EPA 6		ase/Neutral/Acid Extra	**RECOGNEGATION CONTROL TO THE CONTROL OF THE CO
- (765) Mass Spectrometer Purgeables (EPA 624) - (766) SDWA Total Trihalomethanes (EPA 501.1)		arbamate Pesticides (El erbicides, Chloropheno	- 0.000,000,000,000,000,000,000,000,000,0
- (774) SDWA VOC's I [21 REGULATED +] (EPA 50		erbicides, Triazine (EPA	
- (775) SDWA VOC's II [EDB & DBCP] (EPA 504)		ydrocarbon Fuel Screer	
- (790) Composite Sample for Analysis No		rganochlorine Pesticide	LEWIS TURBURAN AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINI
Other Specific Compounds or Clas		rganophosphate Pestic plychlorinated Biphenyls	proceduration of the process of the
Π-(⁻¹)	The second of th	DWA Synthetic Org. Cm	
ā-\)		otal Petroleum Hydroca	
emarks:			272.00
96 JUN 25 PM 1:10			

STATE OF NEW MEXICO

DEPARTMENT OF HEALTH

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

9602067 SLD No.: OR-REQUEST ID No.: 151912 6/25/96 RECEIVED AT SLD: SLD COPY 55321

SAMPLE COLLECTION:

DATE: 6/25/96

TIME: 10:32

BY: Pine

SAMPLE MATRIX:

SAMPLING LOCATION: Sparton VP-1 @ 30 feet

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

Gas

DATE EXTRACTED: N/A 6/26/96 DATE ANALYZED: 0.025 AIR SAMPLE VOL (ml):

1 Days: Within EPA Analysis Time

ANALYSIS No.: OR-9602067 SLD BATCH No .: 294b&d **DILUTION FACTOR:** 40.00 REQUEST ID. No .: 151912

Barometric Pressure During Analayis in mm of Mercury:

636

CAS#	ANALYTE NAME	CONCEN	TRATION	QUAL.	SDL	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*			υ	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	Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene	415		U	2000.0	827.4
104-51-8	n-Butylbenzene	106		U	200.0	44.5
135-98-8	sec-Butylbenzene			U	200.0	44.5
98-06-6	tert-Butylbenzene /&	111	2	U	200.0	44.5
1634-04-4	tert-Butyl methyl ether (MTBE)		2	U	2000.0	677.
56-23-5	Carbon tetrachloride	M	<u>Ş</u>	U	200.0	38.7
108-90-7	Chlorobenzene (monochlorobenzene)	VIAI)	31920212	U	200.0	52.7
75-00-3	Chloroethane	110	25/	U	200.0	91.6
67-66-3	Chloroform*	D	<u> </u>	U	200.0	50.1
74-87-3	Chloromethane	1	\(\frac{1}{2} \)	U	200.0	119.
95-49-8	2-Chlorotoluene	1.0	/	U	200.0	47.3
106-43-4	2-Chlorotoluene 4-Chlorotoluene 1,2-Dibromo-3-chloropropane (DBCP)	1796		U	200.0	47.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	165		Ü	200.0	25.1
124-48-1	Dibromochloromethane*	 		Ü	200.0	28.6
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))	<u> </u>		Ū	200.0	31.7
74-95-3	Dibromomethane	 		U	200.0	63.4
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			Ü	200.0	40.5
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	 		Ü	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	1000		U	200.0	61.4
156-60-5	trans-1,2-Dichloroethene	 	 	Ü	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		-	Ü	200.0	52.7
563-58-6	1,1-Dichloropropene		 	 	200.0	53.7
1006-01-5	cis-1,3-Dichloropropene		 	l u	200.0	53.7
1006-02-6	trans-1,3-Dichloropropene		<u> </u>	U	200.0	53.7
1006-02-6	Ethylbenzene	170	40	J	200.0	56.2
87-68-3	Hexachlorobutadiene	1/0	48	U	200.0	22.8
98-82-8	Isopropylbenzene		 	U		49.6
99-87-6			 		200.0	
	4-isopropyltoluene	 		U	200.0	44.1
75-09-2	Methylene chloride (Dichloromethane)		1	U	400.0	140

91-20-3	Naphthalene		T	U	200.0	37.7
103-65-1	Propylbenzene		Various Services	U	200.0	49.6
100-42-5	Styrene			U	200.0	57.3
630-20-6	1,1,1,2-Tetrachioroethane			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

SURROGATE	SURROGATE COMPOUNDS		CONCENTRATION	% RECOVERY
RECOVERIES:	Toluene - D8		19900	99.5%
I	4 - Bromofluorobenzene		18200	91.0%
	1,2 - Dichlorobenzene - D4		23500	117.5%
ADODATORY	The 9/ recoveries for compounds in the botch	onika wara from 90% to 1	200/ with the	
LABORATORY	The % recoveries for compounds in the batch	•	20% WILL LITE	
FORTIFIED	exception of the compounds listed below	w:		
BLANK	COMPOUND	TARGET CONC. (uG/L)	% RECOVERY	
RECOVERIES	2,2-Dichloropropane	50	172%	
	2-Butaonone	50	79%	
ĺ	Tetrahydrofuran	200	79%	
	Benzene	50	61%	
LABORATORY	No target compounds were detected above the	sample detection limit in l	aboratory blank	
BLANKS	with the ecxeption of the compound(s) li	isted below:		
	COMPOUND	CONCENTRATION	N (mg/L)	
	No Excention	ns.		

QC APPROVED BY: ANALYST: Patrick Basile Ken Sherrell

DEFINITIONS

Concentration Exceeds EPA's allowable Maximum Contamination Level

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

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

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 quanitation 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.

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

SCIENTIFIC LABORATORY DIVISION	EST FORM			SLD No.	OR96- 2	067-B
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NN	1 87106			Date		المستنبذ المستنبذ
Organic Chemistry Section - Telephone: (505) 841	0570	quest		Received:		
2 User 5, 5, 3, 2, 1 ID N	uest ID		51912-B	4 Priority Code #		[If "1" or "2", call ED-SLD Coordinator]
5 Facility		County:		7 City:		8 State
Name: Sparton	B	erna	lillo	Albuga	respor	N,M
9 Sample S D a s t s A P	1 2 0	<u></u>	. +	0	- 0	· · · · · · · · · · · · · · · · · · ·
Location: $S, \rho, a, r, t, o, h, V, \rho, -$	1, 3,0,	<u>, F, e</u>	<u> </u>			
<u> Ву: Кою , ۲, 1, 1, 1, е</u>	On:	96	/06/25 (YY/MM/DD)		1013	2 hrs.
First [L]a]s t		Date:	12 Latitu	Time I de (DDMMS	3:00 pm = 150	ns.
.4.1.8		, ,	1 1	1 1 1		2 Digit ID
Submitter WSS #	Organization	1	Longitude	(DDDMMSS)		(If needed)
13 Report Name Rob Pine 14 F	Phone #: 827-0	178	<u> </u>	l l l	g Informatio	لــــــــــــــــــــــــــــــــــــــ
Address NMED / Assessment & Abater	ment Section		15 Sample Purp	□- Grab		(Composite
P.O. Box 26110			☐- Complian	iceFi	ow Proportion	Time Record
City, State Zip Santa Fe, NM 87502			☐- Confirma ☐- Special	tion 🗀 - Samp	le Split w/Per of Custody	mittee
16 Field Data: pH: , Conductivity:umhos/	cm @ Temperature		C, Residua	e . mg	g/l, Flow:	
17 Sample Source:	18 Field Remarks:					
☐-Stream ☐-Entry Point to Distribution ☐-Lake ☐-Well; Depth:		ect C	ode: 51	5		
☐-Drain ☐-Spring						
-PoolDistribution						
19 Sample Type: -Water -Unchlorinated	20 Preservation:					
☐-Wastewater · 1 ☐ - Chlorinated ☐ - Soil, ☐ - Food, ☐ - Other	- P-lce Sam	ple stored	on; Sample store I in an ice bath (Not Frozen)		
This form accompanies a <u>single sample</u> consisting of: - septum vial(s) (volume =ml ea.)	P-HCI Sam	ple Prese	rved with Sodiur	chioric Acid (2 d	rops/40 ml)	ine residual
- glass jug(s) (volume = mi ea.)	☐- P-HgCl ₂ Sam ☐- Other	ple Prese	rved with 20 mg	/I Mercuric Chlo	oride	
i - Tedlar bag (volume =)						
Analyses Requested: Please check the appropriate required. Whenever possit	ole, list specific com	pounds	suspected o	analytical sci r required, ar	reen(s) nd note	
below whenever highly cor	ntaminated samples	are sus	pected.			
Volatile Screens:		kara i ng sikudodse sid	olatile Scr			
 (753) Aliphatic Headspace (Qualitative Screen) (754) Aromatic & Halogenated Purgeables (EPA 6 		(756) B	ase/Neutral E ase/Neutral/	Extractables Acid Extracta	(EPA 625) ables (EPA	8270)
- (765) Mass Spectrometer Purgeables (EPA 624)		(772) C	arbamate Pe	sticides (EPA	531.1)	
- (766) SDWA Total Trihalomethanes (EPA 501.1) - (774) SDWA VOC's I [21 REGULATED +] (EPA 50			erbicides, Ch erbicides, Tri			515.1)
- (774) SDWA VOC'S [2] REGOLATED +] (EPA 504)			ydrocarbon F			5)
: (790) Composite Sample for Analysis No			rganochlorin			
Other Specific Compounds or Clas	ses:		rganophosph olychlorinated			
□-(·)		(762) SI	DWA Synthet	ic Org. Cmpo	ds. (SLD 75	8/760)
	<u> </u>	(782) To	otal Petroleun	n Hydrocarbo	ons (EPA 4	18.1)
emarks:						
UN 25 PM 1:10	ر مد					
	70					

TAKE OF NEW MEXICO

DEPARTMENT OF HEALTH

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: DATE ANALYZED: AIR SAMPLE VOL (ml): 0.025

N/A 6/26/96

1 Days: Within EPA Analysis Time

ANALYSIS No.: OR-

9602066

SLD BATCH No.: DILUTION FACTOR: REQUEST ID No .: 294a&b&d 40.00 151911

Barometric Pressure During Analayis in mm of Mercury:

636

CAS#	ANALYTE NAME	CONCEN	TRATION	QUAL.	SDL	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.
104-51-8	n-Butylbenzene			U	200.0	44.5
135-98-8	sec-Butylbenzene	213 14 10 16		U	200.0	44.5
98-06-6	tert-Butylbenzene	10%		U	200.0	44.5
1634-04-4	tert-Butyl methyl ether (MTBE) Carbon tetrachloride Chlorobenzene (monochlorobenzene)			U	2000.0	677.
56-23-5	Carbon tetrachloride		6	U	200.0	38.7
108-90-7	Chlorobenzene (monochlorobenzene)	300	1920	U	200.0	52.7
75-00-3	Chloroethane (m	1771	22	U	200.0	91.6
67-66-3	Chloroform*	CIXITI	27	U	200.0	50.
74-87-3	Chloromethane	21115	77/	U	200.0	119.
95-49-8	2-Chlorotoluene	,	5/	U	200.0	47.3
106-43-4	4-Chlorotoluene	140	/	U	200.0	47.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	759251.4C		U	200.0	25.
124-48-1	Dibromochloromethane*	729627		U	200.0	28.
106-93-4	4-Chlorotoluene 1,2-Dibromo-3-chloropropane (DBCP) Dibromochloromethane* 1,2-Dibromoethane (Ethylene dibromide (EDB))			U	200.0	31.
74-95-3	Dibromomethane			U	200.0	63.4
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)			U	200.0	40.
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)			U	200.0	40.
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)			U	200.0	40.
75-71-8	Dichlorodifluoromethane		 	U	200.0	49.
75-34-3	1.1-Dichloroethane			U	200.0	60.
107-06-2	1,2-Dichloroethane			U	200.0	60.:
75-35-4	1.1-Dichloroethene	1500	460		200.0	61.
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.
142-28-9	1,3-Dichloropropane			Ü	200.0	52.
590-20-7	2,2-Dichloropropane			U	200.0	52.
563-58-6	1,1-Dichloropropene			U	200.0	53.
1006-01-5	cis-1,3-Dichloropropene			U	200.0	53.
1006-02-6	trans-1,3-Dichloropropene			U	200.0	53.
100-41-4	Ethylbenzene	47	13	J	200.0	56.
87-68-3	Hexachlorobutadiene			U	200.0	22.
98-82-8	Isopropylbenzene			Ü	200.0	49.6
99-87-6	4-isopropyltoluene			U	200.0	44.
75-09-2	Methylene chloride (Dichloromethane)		 	Ü	400.0	140.

91-20-3	Naphthalene	}	100,100	U	200.0	37.7
103-65-1	Propylbenzene		- Canada	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

SURROGATE	SURROGATE COMPOUNDS		ONCENTRATION (uG/L)	% RECOVERY
RECOVERIES:	Toluene - D8		19100	95.5%
	4 - Bromofluorobenzene		18300	91.5%
· <u></u>	1,2 - Dichlorobenzene - D4		23100	115.5%
LABORATORY	The % recoveries for compounds in the batch	spike were from 80% to	120% with the	
FORTIFIED	exception of the compounds listed below	v:		
BLANK	COMPOUND	TARGET CONC. (uG/L)	% RECOVERY	
RECOVERIES	2,2-Dichloropropane	50	172%	
	2-Butaonone	50	79%	
	Tetrahydrofuran	200	79%	
	Benzene	50	61%	
	No target compounds were detected above the	•	aboratory blank	
BLANKS	with the ecxeption of the compound(s) li	isted below:		
	COMPOUND	CONCENTRATIO	ON (mg/L)	
	No Exception	\$		

QC APPROVED BY:

Ken Sherrell

DEFINITIONS

ANALYST:

Concentration Exceeds EPA's allowable Maximum Contamination Level

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

Patrick Basile

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 quanitation 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.

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

UNGINIC CHEMISTRY ANALYTICAL REQU	EST FORM		and the second	
SCIENTIFIC LABORATORY VISION		1 200	SLD No. 0R96	- 2066-B
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM Organic Chemistry Section - Telephone: (505) 841	-2570		Date Received:	
2 User 5, 5, 3, 2, 1, 3 Required Code #: 5, 5, 3, 2, 1, ID N	request	— 151911-B	4 Priority Code #:	3 [lf*1*or*2*, call ED-SLD Coordinator]
Facility Name: Sparton	6 Cou Ret	nalillo	7 Clty: Albuquere	8 State
Sample Sparton, VP,-	1, 4,0, 5	, e, e, t, ,	· · · · · · · · · · · · · · · · · · ·	
By: Rob Pine	On:	76 /06/25	At: Q 9	5 0 hrs.
First [L a s t		Date: (YY/MM/DD) 12 Latitu	Time: 3:00	24 hr. clock pm = 1500 hrs.
.4,1,8, ,-,, Submitter WSS #	Organization	Longitudi	DDDMMSS)	2 Digit ID (If needed)
13 Report Name Rob Pine 14 P	hone #: 827-017	8		
NMED / Assessment & Abater	ment Section	15 Sample Purp	Sampling Info	(Composite
P.O. Box 26110		☐- Compliar ☐- NMED M	nce Flow Pro	portioned Time Period)
Santa Fe, NM 87502		☐- Confirma ☐- Special		it w/Permittee
16 Field Data: pH: , Conductivity:umhos/		Chloring C, Residua		Flow:
17 Sample Source: -Stream -Entry Point to Distribution	18 Field Remarks:			
-LakeWell; Depth:	Projec	t Code: 51	5	
☐-Drain ☐-Spring				
☐-Pool ☐-Distribution ☐-WWTP ☐-Other:				
Sample Type: ☐-Water ☐-Unchlorinated ☐-Wastewater ☐-Chlorinated ☐-Soil, ☐-Food, ☐-Other ☐-Chlorinated ☐-Chlorinated ☐-In form accompanies a single sample consisting of: septum vial(s) (volume =ml ea.)glass jug(s) (volume =ml ea.) _i - Teðlar baq (volume =)	- P-lce Sample s	tored in an ice bath (Preserved with Sodiur Preserved with Hydro	n Thiosulfate to remo- chloric Acid (2 drops/	ve chlorine residual
Analyses Requested: Please check the appropria required. Whenever possible below whenever highly con Volatile Screens:	le, list specific compou taminated samples are	unds suspected o	r required, and no	
- (753) Aliphatic Headspace (Qualitative Screen) - (754) Aromatic & Halogenated Purgeables (EPA 60) - (765) Mass Spectrometer Purgeables (EPA 624) - (766) SDWA Total Trihalomethanes (EPA 501.1) - (774) SDWA VOC's I [21 REGULATED +] (EPA 502) - (775) SDWA VOC's II [EDB & DBCP] (EPA 504) - (790) Composite Sample for Analysis No. Other Specific Compounds or Class - () - () - () emarks:	01/2)	6) Base/Neutral/ 2) Carbamate Pes 8) Herbicides, Ch 9) Herbicides, Trial 1) Hydrocarbon F 0) Organochlorina 1) Organophosph 7) Polychlorinated 2) SDWA Synthet	Extractables (EPA Acid Extractables sticides (EPA 531. lorophenoxy Acid azine (EPA 507). Fuel Screen (EPA I e Pesticides (EPA sate Pesticides (EPA I Biphenyls (PCB' ic Org. Cmpds. (Sin Hydrocarbons (I	(EPA 8270) 1) (EPA 515.1) M-8015) 505) PA 507) s) in Oil LD 758/760)
JUN 25 PM 1:10	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 55321 SLD COPY USER

SAMPLE COLLECTION:

DATE: 6/25/96

TIME: 9:35

BY: Pine

SAMPLING LOCATION: Sparton VP-1 @ 50 feet

SAMPLE MATRIX:

REPORTING UNITS: ug/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

N/A DATE EXTRACTED: 6/26/96 DATE ANALYZED: 0.05 AIR SAMPLE VOL (ml):

1 Days: Within EPA Analysis Time

ANALYSIS No.: OR-SLD BATCH No .: **DILUTION FACTOR:**

REQUEST ID No.:

9602065 294a&d 20.00 151910

Barometric Pressure During Analayis in mm of Mercury:

636 mm

CAS#	ANALYTE NAME	CONCEN	TRATION	QUAL.	SDL	SDL
		uG/L (air)	ppm V/V		uG/L	ppm V/V
71-43-2	Benzene	<u> </u>		υ	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*			υ	100.0	11.8
24-83-9	Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene tert-Butyl methyl ether (MTBE)	121374		U	100.0	31.4
78-93-3	2-Butanone (MEK)	14	5,	U	1000.0	413.7
104-51-8	n-Butylbenzene		8	U	100.0	22.2
135-98-8	sec-Butylbenzene		[6]	U	100.0	22.2
98-06-6	tert-Butylbenzene /49		3/	U	100.0	22.2
1634-04-4		3	1 8	U	1000.0	338.5
56-23-5	Carbon tetrachloride	TINA	1 8	U	100.0	19.3
108-90-7	Chlorobenzene (monochlorobenzene)	LEIAI	D B	U	100.0	26.4
75-00-3	Chloroethane	LOCI.		U	100.0	45.8
67-66 - 3	Chloroform*		13/	U	100.0	25.0
74-87-3	Chloroform* Chloromethane 2-Chlorotoluene 4-Chlorotoluene		.60	U	100.0	59.6
95-49-8	2-Chlorotoluene	717079		U	100.0	23.6
106-43-4	4-Chlorotoluene	CLOSU		U	100.0	23.6
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	· · · · · · · · · · · · · · · · · · ·		U	100.0	12.6
124-48-1	Dibromochloromethane*	<u> </u>		U	100.0	14.3
106-93-4	1,2-Dibromoethane (Ethylene dibromide (EDB))	<u> </u>		U	100.0	15.8
74-95-3	Dibromomethane			U	100.0	31.7
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	<u> </u>		υ	100.0	20.3
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	<u> </u>		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			Ū	100.0	26.4
142-28-9	1,3-Dichloropropane			Ū	100.0	26.4
590-20-7	2,2-Dichloropropane			Ū	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			Ü	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		1	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		1	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	
		T	·			

SURROGATE	SURROGATE COMPOUNDS		CONCENTRATION	% RECOVERY
RECOVERIES:	Toluene - D8		10200	102.0%
	4 - Bromofluorobenzene		8790	87.9%
	1,2 - Dichlorobenzene - D4		11600	116.0%
LABORATORY	The % recoveries for compounds in the batch	spike were from 80% to 1	20% with the	
FORTIFIED	exception of the compounds listed below	v:		
BLANK	COMPOUND	TARGET CONC. (uG/L)	% RECOVERY	
RECOVERIES	2,2-Dichloropropane	50	172%	
	2-Butanone	50	79%	
[Tetrahydrofuran	200	79%	
[Benzene	50	61%	
	and the second second			
LABORATORY	No target compounds were detected above the	sample detection limit in I	aboratory blank	
BLANKS	with the ecxeption of the compound(s) li	isted below:		
	COMPOUND	CONCENTRATIO	N (mg/L)	
	A Company of the Comp	ns 😘		

ANALYST: Patrick Basile QC APPROVED BY: Ken Sherrell

DEFINITIONS

Concentration Exceeds EPA's allowable Maximum Contamination Level

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

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

Qualifier of analytical results as follows: QUAL

B Analyte was detected in laboratory blank

J Analyte was detected at a level below which an accurate quanitation can be given (~5 * SDL)

U No analyte was detected above the Sample Detection Limit.

Sample Detection Limit - The lowest concentration which can be differentiated from Zero with SDL

99% confidence taking sample size (compositing) into account.

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

UNGANIC CHEMISTRY ANALYTICAL REQUI	ESTFORM					490 Y
* SCIENTIFIC LABORATORY VISION			1.1.224	SLD No.	OR96- 2	065-B
*700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM	1 87106			Date	Land	
Organic Chemistry Section - Telephone: (505) 841	0570	20011004 111		Received:	•	
2 User	uest	Request D No. 151		4 Priorit		Iff "1" or "2".
Code #: 5,5,3,2,1		D 140. 151	910-B	Code		[if "1" or "2", call ED-SLD Coordinator]
5 Facility < > >		6 County:		7 City:		8 State
Name: Sparton		Berna		Albua	1964 110	N.M.
,		1701 1100	Triic	17 11000	our face	
Sample Sparton, V.P	1,50	7. Fie	12, 4,			
By: Rob Pilne			106/25		710112	ا العا
By: KOD TILINIE		Un: Pe	(YY/MM/DD)	At:C Tin	~ 1 ⊃ na: 24 hr cho	5 hrs.
11 Codes:					3:00 pm = 150	00 hrs.
			12 Latitu	Ge (DDIVIN	işəə) "	
4,1,8 Submitter WSS #	Organiz	ation	Longitude	(DDDMMSS		2 Digit ID (If needed)
13 Report Name 0 1 0 1 14 P	hone #: o		Longitude	O	ey "	(ii ribeded)
To: Name Rob Pine	hone #: 827	1-0178	<u> </u>	1 1		
Address NMED / Assessment & Abater	nent Sect	ion	15	🗀 - Grat		
P.O. Box 26110			Sample Purpo	ce	Flow Proportion	(Composite — Time Period) 180
Santa Fe, NM 87502	77	****	☐- NMED Mo ☐- Confirmat ☐- Special	ion 🗀 - Sam	Equal Aliquot ople Split w/Per	mittee
16 Field					in of Custody	
Data: pH: , Conductivity: umhos/d	cm @ Tempe	rature:	C, Residual	:	ng/l, Flow:	
7] Sample Source: ☐-Stream ☐-Entry Point to Distribution	Remarks:					
StreamEntry Form to Distribution	F	Project C	ode: 515	5		
☐-Drain ☐-Spring						
□-Pool □-Distribution						
WWTPOther:						
Sample Type: ☐-Water ☐-Unchlorinated ☐-Wastewater ☐-Chlorinated ☐-Soil, ☐-Food, ☐-Other ☐-AIP ☐-Chlorinated ☐-In form accompanies a single sample consisting of: - septum vial(s) (volume =ml ea.) - glass jug(s) (volume =ml ea.) - Tellar bag (volume =)	☐- NP ☐- P-Ice ☐- P-TS ☐- P-HCI	No Preservation Sample stored Sample Preservample Preservample	n; Sample stored in an ice bath (N ved with Sodium ved with Hydroc ved with 20 mg/	lot Frozen) 1 Thiosulfate t hloric Acid (2	· o remove chlor drops/40 ml)	ine residual
1 Analyses Requested: Please check the appropria	te box(es) belo	ow to indicat	e the type of a	nalytical so	reen(s)	Assessi French Differ
required. Whenever possib below whenever highly continuous Volatile Screens:	le, list specific	compounds ples are sus	suspected or	required, a		
- (753) Aliphatic Headspace (Qualitative Screen) - (754) Aromatic & Halogenated Purgeables (EPA 60) - (765) Mass Spectrometer Purgeables (EPA 624) - (766) SDWA Total Trihalomethanes (EPA 501.1) - (774) SDWA VOC's I [21 REGULATED +] (EPA 502) - (775) SDWA VOC's II [EDB & DBCP] (EPA 504) - (790) Composite Sample for Analysis No.		☐ - (756) Ba ☐ - (772) Ca ☐ - (758) Ha ☐ - (759) Ha ☐ - (751) Ha ☐ - (760) Oa	ase/Neutral E ase/Neutral/A arbamate Pes erbicides, Chl erbicides, Tria ydrocarbon Fi rganochlorine rganophosph	Acid Extract ticides (EP orophenox zine (EPA suel Screen Pesticides	tables (EPA) A 531.1) y Acid (EPA 507) (EPA M-801) (EPA 505)	515.1) 5)
Other Specific Compounds or Class	ses:	☐ - (767) Po ☐ - (762) St	olychlorinated DWA Synthetion Stal Petroleum	Biphenyls Org. Cmp	(PCB's) in 0 ds. (SLD 75)	ii 8/760)
		(1, 7, 7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		. 170.0001		uziri 15
marks:	inr 96					
	· · · · · · · · · · · · · · · · · · ·					

P.O. Box 4700 Albuquerque, NM 87196-4700 700 Camino de Salud, NE [505] 841-2500

ORGANIC CHEMISTRY SECTION [505] 841-2570

F	EPORT TO CLIENT:
Attn: Rob Pine	
NMED / Assessment & Abatement Se	ec.
P.O. Box 26110	
Santa Fe, New Mexico 87502	

SLD No.: OR-9602064 REQUEST ID No .: 151909 6/25/96 RECEIVED AT SLD: 55321 USER SLD COPY

SAMPLE COLLECTION:	DATE:	6/25/96		TIME:	9:20	BY: P	Pine
SAMPLING LO	CATION:	Sparton VP-1	@ 60 feet				
SAMP! F	MATRIX:	Gas			REPORTING	UNITS: U	ıa/L

Remarks:

EPA METHOD 8260 Modified MASS SPECTROMETER VOLATILES BY PURGE AND TRAP

ANALYSIS No.: OR-9602064 DATE EXTRACTED: N/A 6/26/96 294a&d DATE ANALYZED: 1 Days: Within EPA Analysis Time SLD BATCH No .: 20.00 AIR SAMPLE VOL (ml): 0.05 DILUTION FACTOR: REQUEST ID No .: 151909

	Barometric Pressure During Analayis in mm of Mercury:		636			
CAS#	ANALYTE NAME	CONCEN	TRATION	QUAL.	SDL	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			υ	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 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene			U	100.0	31.4
78-93-3	2-Butanone (MEK)	2		U	1000.0	413.7
104-51-8	n-Butylbenzene	SY		U	100.0	22.2
135-98-8	sec-Butylbenzene	3		υ	100.0	22.2
98-06-6	tert-Butylbenzene	, and		U	100.0	22.2
1634-04-4	tert-Butyl methyl ether (MTBE)	12		U	1000.0	338.5
56-23-5	Carbon tetrachloride	8		U	100.0	19.3
108-90-7	Chlorobenzene (monochlorobenzene)	2021222		U	100.0	26.4
75-00-3	Chloroethane	\cdot \(\sigma \)		U	100.0	45.8
67-66-3	Chloroform*	20/		U	100.0	25.0
74-87-3	Chloromethane	36		U	100.0	59.6
95-49-8	Chloromethane 2-Chlorotoluene 4-Chlorotoluene	36/		U	100.0	23.6
106-43-4	4-Chlorotoluene			บ	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	T	14	U	100.0	18.9
103-65-1	Propylbenzene			U	100.0	24.8 ~
100-42-5	Styrene		-C-148	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	
		Ĭ				

SURROGATE	SURROGATE COMPOUNDS	C	ONCENTRATION (uG/L)	% RECOVERY
RECOVERIES:	s: Toluene - D8		10100	101.0%
	4 - Bromofluorobenzene		9500	95.0%
	1,2 - Dichlorobenzene - D4		11300	113.0%
LABORATORY	The % recoveries for compounds in the batch	spike were from 80% to 1	20% with the	
FORTIFIED	exception of the compounds listed below:	:		
BLANK	COMPOUND	TARGET CONC. (uG/L)	% RECOVERY	
RECOVERIES	2,2-Dichloropropane	50	172%	
	2-Butanone	50	79%	
	Tetrahydrofuran	200	79%	
	Benzene	50	61%	
		to the same of the		
LABORATORY	No target compounds were detected above the s	sample detection limit in la	aboratory blank	
BLANKS	with the ecxeption of the compound(s) lis	ted elow: 🗟		
	COMPOUND	CONCENTRATIO	N (mg/L)	
	No Exception			
		. 43		

ANALYST:

Patrick Basile

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 quanitation can be given (~5 * SDL)

U No analyte was detected above the Sample Detection Limit.

Sample Detection Limit - The lowest concentration which can be differentiated from Zero with SDL

ug/L

99% confidence taking sample size (compositing) into account.

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

OFGANIC CHEMISTRY ANALYTICAL REQUI	EST FORM					14 15 47 140	2. 7
- SCIENTIFIC LABORATORY DIVISION				1 n*	SLD No.	OR96- 2	2064-B
700 CAMINO DE SALUD N.E., ALBUQUERQUE, NM					Date		
Organic Chemistry Section - Telephone: (505) 841		-	Reque	st	ceived		
2 User 5,5,3,2,1 3 Required Code #: 5,5,3,2,1			10 אס.	151909-B	Code		[if "1" or "2", call ED-SLD Coordinator]
Facility Name: Sparton			ounty: トトロ	lillo	7 City: Albu	iver ful	8 State
Sample Sparton VP-	1, 6,0	D	Fie	1e.t.			<u> </u>
10 Collected Rob Pine		On: _		106/25 (YY/MM/DD)		0 9 2 me: 24 hr. clc	
11 Codes:		909 2 9, 22 37	City approximate	12 Latitu	de (DDM		o ms.
4,1,8, ——————————————————————————————————	Organiz			Longitude	DDDMMS		2 Digit ID (If needed)
13 Report Name Rob Pine 14 P	Phone #: 82	7-01	78	<u> </u>		1 1	<u> </u>
Address NMED / Assessment & Abater	ment Sect	ion		15	⊟- Gra		(Composite
P.O. Box 26110				Sample Purpo	ce	mposite Flow Proportio	time Period)
City, State Zip Santa Fe, NM 87502	79.444			- NMED Mo - Confirma - Special	ion 🗀 - Sai	· Equal Aliquot mple Split w/Pe ain of Custody	rmittee
16 Field Data: PH: , Conductivity:umhos/c		erature:		C, Residua	l:	mg/l, Flow:_	
17 Sample Source:	18 Field Remarks:						
☐-Stream ☐-Entry Point to Distribution ☐-Lake ☐-Well; Depth:		Proje	ect C	ode: 51	5		_
☐-Drain ☐-Spring							
□-Pool □-Distribution				700			
□-WWTP □-Other: □-Unchlorinated	20 Preservat	ion:	···				
□-Wastewater · 1 □-Chlorinated	☐- NP	No Pre		n; Sample store		mperature	
☐-Soil, ☐-Food, ☐-Other ☐ AIP This form accompanies a single sample consisting of:	P-Ice			in an ice bath (I ved with Sodiun		to remove chio	rine residual
- septum vial(s) (volume = ml ea.)	P-HCI	Samp	ie Preser	ved with Hydrod	hloric Acid (2 drops/40 mi)	
- glass jug(s) (volume = ml ea.)	- P-HgCl	₂ Sampl	le Preser	ved with 20 mg,	I Mercuric C	hloride	
i - Tedlar bag (volume =)							///
Analyses Requested: Please check the appropria required. Whenever possible below whenever highly con	ole, list specific	comp nples a	oounds are sus	suspected o pected.	r required,	screen(s) and note	
<u>Volatile Screens:</u>		٤	semiv	<u>olatile Scre</u>	ens:		
- (753) Aliphatic Headspace (Qualitative Screen)		•		ase/Neutral E		The state of the s	,
(754) Aromatic & Halogenated Purgeables (EPA 604) (765) Mass Spectrometer Burgeables (EPA 604)	01/2)			ase/Neutral/ arbamate Pes			8270)
- (765) Mass Spectrometer Purgeables (EPA 624) - (766) SDWA Total Trihalomethanes (EPA 501.1)		`		erbicides, Ch			515.1)
- (774) SDWA VOC's I [21 REGULATED +] (EPA 502	2.2)	`		erbicides, Tria			
- (775) SDWA VOC's II [EDB & DBCP] (EPA 504)				ydrocarbon F			5)
- (790) Composite Sample for Analysis No				rganochlorine			
Other Specific Compounds or Class				rganophosph			
Other Specific Compounds or Class	<u>363.</u>			olychlorinated DWA Syntheti			
				otal Petroleun			
emarks: 01:1 Hd SZ NOC 98							
-20 JUN 25 PM							

P.O. Box 4700 Albuquerque, NM 87196-4700 700 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-96-1337

Distribution

() User 55321

(X Submitter 418

(x) 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

Sparton VP-1 37 Feet

Albuquerque, NM 87196-4700

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

DEMOGRAPHIC DATA

COLLECTION LOCATION

On: 12-Jun-96
At: 0:00 hrs.

By: Pin . . .

In/Near: Albuquerque

ANALYTICAL RESULTS

Analysis	Value	Units	Analyst
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



P.O. Box 4700 Albuquerque, NM 87196-4700 700 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-96-1338

Distribution

() User 55321

(X Submitter 418

(x) SLD Files

 $To \cdot$

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

COLLECTION

*B*y: Pin . . .

LOCATION
Sparton VP-1 47 Feet

On: 12-Jun-96 At: 0:00 hrs.

In/Near: Albuquerque

ANALYTICAL RESULTS

Analysis	Value	<u>Units</u>	Analyst
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



P.O. Box 4700 Albuquerque, NM 87196-4700 700 Camino de Salud, NE [505]-841-2500

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

September 26, 1996

Request ID No. 149670

ANALYTICAL REPORT
SLD Accession No. HM-96-1336

Distribution

() User 55321

(X Submitter 418

(x) 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

COLLECTION

*B*y: Pin . . .

LOCATION

Sparton VP-1 28 Feet

On: 12-Jun-96 At: 0:00 hrs.

In/Near: Albuquerque

ANALYTICAL RESULTS

AnalysisValueUnitsAnalystChromium240.0000uG/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



SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700 Albuquerque, NM 87196-4700 700 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-96-1337

Distribution

() User 55321

(X Submitter 418

(x) 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

COLLECTION

By: Pin . . .

LOCATION

Sparton VP-1 37 Feet

On: 12-Jun-96 At: 0:00 hrs.

In/Near: Albuquerque

ANALYTICAL RESULTS

AnalysisValueUnitsAnalystChromium26.0000uG/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



SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700 Albuquerque, NM 87196-4700 700 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-96-1338

Distribution

() User 55321

(X Submitter 418

(x) 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

COLLECTION

*B*y: Pin . . .

LOCATION

Sparton VP-1 47 Feet

On: 12-Jun-96 At: 0:00 hrs.

In/Near: Albuquerque

ANALYTICAL RESULTS

Analysis	Value	<u>Units</u>	Analyst
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



P.O. Box 4700 Albuquerque, NM 87196-4700 700 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-96-1336

Distribution

() User 55321

∑ Submitter 418

(x) SLD Files

To: ED-Assessment & Abatement Sect.

ED Ground Water Quality Bureau

P.O. Box 26110

Santa Fe, NM 87502

From: A

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 At: 0:00 hrs.

By: Pin . . .

In/Near: Albuquerque

Sparton VP-1 28 Feet

ANALYTICAL RESULTS

Analysis	Value	<u>Units</u>	<u> </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



SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700 Albuquerque, NM 87196-4700 700 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-96-1339

Distribution

() User 55321

(X Submitter 418

(x) 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

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

DEMOGRAPHIC DATA

COLLECTION

LOCATION

On: 12-Jun-96

*B*y: Pin . . .

Sparton VP-1 57 Feet

At: 0:00 hrs.

Re:

In/Near: Albuquerque

ANALYTICAL RESULTS

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

<u>Laboratory Remarks:</u> 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

STATE OF NEW MEXICO

DEPARTMENT OF HEALTH

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		SLD No.: OR-	9601985
NMED/Assessment & Abatement Secti	on	REQUEST ID No.:	149679
P.O. Box 26110		RECEIVED	AT SLD: 6/13/96
Santa Fe, NM 87502 .		☐SLD COPY	USER 55321
SAMPLE COLLECTION: DATE: 6/12/96 SAMPLING LOCATION: Sparton VP-1	TIME: 57 feet	BY:	<u>Pin</u>
Sample Type: Soil		REPORTING UNITS:	ug/Kg
Remarks:			
	See Laborate	ory Remarks.	

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

DATE EXTRACTED: N/A

DATE ANALYZED: 6/19/96
SAMPLE DRY WEIGHT (g): 10.52

O

ANALYSIS No.: OR- 9601985

SLD BATCH No.: 279

DILUTION FACTOR: 200.00

REQUEST ID No.: 149679

SAMPLE PRESERVATION:

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 1213 14 13	167>	U	200.0
75-27-4	Benzene Bromobenzene Bromochloromethane Bromodichloromethane* Bromoform* Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene	6	U	200.0
75-25-2	Bromoform*	3/	U	200.0
24-83-9	Bromomethane /0 III to	0.	U	200.0
78-93-3	2-Butanone (MEK)	20 3	U	200.0
104-51-8	n-Butylbenzene ທ	Irn 8	U	200.0
135-98-8	sec-Butylbenzene	F 29/	U	200.0
98-06-6	tert-Butylbenzene	LU N	U	200.0
1634-04-4	tert-Butyl methyl ether (MTBE)	LU AT	U	200.0
56-23-5	Carbon tetrachloride	1796	U	200.0
108-90-7	Chlorobenzene (monochlorobenzene)	e Levi	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

1	006-02-6	trans-1,3- loropropene		U	200.0
1	100-41-4	Ethylbenzene	1	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
- 1	91-20-3	Naphthalene		U	200.0
7	103-65-1	Propylbenzene		U	200.0
1	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
1	127-18-4	Tetrachloroethene		U	200.0
1	109-99-9	Tetrahydrofuran (THF)		U	800.0
1	108-88-3	Toluene		U	200.0
	87-61-5	1,2,3-Trichlorobenzene		U	200.0
1	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
1	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-Brom	2-Bromochlorobenzene (Photolonization Detector Surrogate)		24.6	98.4%	
	2-Brom	ochlorobenzene(<u>El</u> ectrolytic <u>C</u> onductivity	Detector Surrogate)	26.31	105.2%	
LABORATORY FORTIFIED BLANK RECOVERIES	exception of the compounds listed below: COMPOUND CONCENTRATION (mg/L) % RECOVERY					
		Chloroethane	20	68		
LABORATORY No target compounds were detected above the sample detection limit is BLANKS with the ecxeption of the compound(s) listed below:					ratory blank	
		COMPOUND	CO	NCENTRATION (ug/L)		
		Acetone		8		

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

DEFINITIONS

99% confidence taking sample size (compositing) into account.ug/LConcentration Units - micrograms per liter which is approximately equivalent to Parts Per Billion (ppb)

UNDAMIC CHEMISTRY ANALY HUAL REQUEST FURIN				
SCIENTIFIC LABORATORY DIVISION SLD No. 0R96-				
760 GAMINO DE SALUD N.E., ALBUQUER, "JE, NM 87106	Date Date			
Organic Chemistry Section - Telephone: (505) 841-2570 2 User 3 Request ID No. 14				
Code #: <u>(3, 3, 2, 1)</u> ID No.:	Code #: Coordinator			
5 Facility Sparton 6 County Name: Sparton Bernal				
,	illo Albuquerque N.M			
Sample Location: [S,P,a,r,t,o,n, V,P,-,1, 5,7, +,6	21 e.t			
By: Rob PIINE On: 96	/06/12 At: hrs.			
By:	/ 06 / 12 At: hrs. :: (YY/MM/DD) Time: 24 hr, clock 3:00 pm = 1500 hrs.			
11 Codes:	12 Latitude (DDMMSS)			
Submitter WSS# Organization	Longitude (DDDMMSS) (freeded)			
13 Report Name Rob Pine 14 Phone #: 827-0178	Sampling Information:			
Address NMED / Assessment & Abatement Section	Sampling Information: Grab Sample Purpose: —- Composite Graph			
P.O. Box 26110	- Compliance - Flow Proportioned ime Period)			
City, State Zip Santa Fe, NM 87502	☐- Confirmation ☐- Sample Split w/Permittee ☐- Special ☐- Chain of Custody			
16 Field Data: PH: , Conductivity: umhos/cm @ Temperature:	C, Residual:mg/l, Flow:			
17 Sample Source: 18 Field				
	Project Code: 515			
□-Drain □-Spring				
-Pool -Distribution -WMTP -Other:				
19 Sample Type:				
Other Specific Compounds or Classes: □ - (767) F □ - () □ - (762) S □ - (782) T	Organophosphate Pesticides (EPA 507) Polychlorinated Biphenyls (PCB's) in Oil EDWA Synthetic Org. Cmpds. (SLD 758/760) Total Petroleum Hydrocarbons (EPA 418.1)			

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700 Albuquerque, NM 87196-4700 700 Camino de Salud, NE [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

(X Submitter 418

(x) 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

COLLECTION

By: Pin . . .

LOCATION

Sparton VP-1 8 Feet 6 Inches

On: 12-Jun-96 At: 0:00 hrs.

In/Near: Albuquerque

ANALYTICAL RESULTS

Analysis	<u>Value</u>	<u>Units</u>	Analyst
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



SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700 **Albuquerque, NM 87196-4700** 700 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-96-1335

Distribution

() User 55321

(X Submitter 418

(x) SLD Files

Rob Pine To:

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

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

DEMOGRAPHIC DATA

COLLECTION

LOCATION

On: 12-Jun-96 At: 0:00 hrs.

Sparton VP-1 18.4 Feet

By: Pin . . . *In/Near:* Albuquerque

ANALYTICAL RESULTS

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

Laboratory Remarks:

% solids = 95.5%.

Chromium by method 218.1 on 8/5/95 by RS.

Sparton.

Reviewed By:

08/12/96 Ron Amato