8260B SAMPLE / QC DATA

DATE ANALYZED: 10 22 00

INSTRUMENT ID: MS G

SAMPLES: EOJ100272-21→24

STL Los Angeles

GC/MS VOA R . Log

FJK 6/00

Batch ID: 0298635

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☑ 5030B ☐ 5035

Inst ID: MSG | EM Set: 1894 | Tune File: BFBU | Seq File: 1022AG | Date: 102200

Init . Cal ID: 8260BGS 101800

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
11:24		GT1377	~~10~~ 50ug BFB	–	–	Cu	–	–	✓			1265-2
11:46		GS2309	50ppb 8260B	1	Soil	Sz	1	160	✓			IS1253-2A, SWL1265-1, STD1259-1
12:34		509187	102200AR1-LCS2	2				167	✓			QC 1271-2
13:09		88	RB-2	3				136	✓			
13:52		89	DLW6P101	4				152	✓			EOJ100272-21
14:27		90	DLW6T101	5				134	✓			22
15:01		91	DLW6V101	6				127	✓			23
15:36		92	DLW71101	7				130	✓			24
16:10		93	DM1AJ1AA	8				134	✓			EOJ110284-17
16:44		94	DM1AL1AA	9				130	✓			18
17:19		95	DM1AM1AA	10				139	✓			19
17:53		96	DM1AP1AA	11				135	✓			20
18:28		97	DM1AP1AC S	12				145	✓			20MS
19:02		98	DM1AP1AD P	13				137	✓			20MD
19:37		99	DM1AR1AC	14				136	✓			21
20:11		200	DM1AV1AC	15				115	✓			22
20:45		1	DM1AX1AC	16				139	✓			23
21:20		2	DM1A11AC	17				135	✓			24
21:54		3	DM1A31AC	18				135	✓			25
22:29		4	DM1A51AC	19				111	✓			26
23:03		5	DM1A61AC	20				140	✓			27
23:38		6	DM1A81AA	21				118	✓			OUT OF TUNE 28

Version 01/04/99

G:\FORMS\Run Log\MSV Runlog.DOC

BOE-C6-0158155

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA06253

Lab File ID (Standard): GS2309 Date Analyzed: 10/22/00

Instrument ID: MG Time Analyzed: 1146

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

		IS1 AREA #	RT	IS2 (CBZ) AREA #	RT	IS3 (DCB) AREA #	RT
	12 HOUR STD	1602641	7.26	1084284	12.81	615884	17.44
	UPPER LIMIT	3205282	7.76	2168568	13.31	1231768	17.94
	LOWER LIMIT	801321	6.76	542142	12.31	307942	16.94
	EPA SAMPLE NO.						
01	G09187	1675132	7.26	1128951	12.79	644105	17.45
02	G09188	1361512	7.29	1093121	12.81	616480	17.46
03	G09189	1523057	7.26	1074642	12.80	635899	17.45
04	G09190	1349608	7.28	1048833	12.81	605925	17.46
05	G09191	1271302	7.28	1011254	12.81	565105	17.45
06	G09192	1304241	7.28	1013775	12.81	589916	17.45
07	G09193	1345738	7.29	1043935	12.81	605337	17.46
08	G09194	1309988	7.29	1016706	12.81	579949	17.45
09	G09195	1395728	7.28	1057066	12.80	555812	17.46
10	G09196	1355435	7.27	1046194	12.81	593726	17.46
11	G09197	1455193	7.27	1064167	12.81	623165	17.44
12	G09198	1377866	7.27	1087214	12.80	619253	17.44
13	G09199	1366929	7.26	1071152	12.80	588333	17.45
14	G09200	1157925	7.31	893970	12.80	485394	17.44
15	G09201	1399253	7.27	1115337	12.79	633657	17.44
16	G09202	1351070	7.26	1063650	12.80	606301	17.44
17	G09203	1354651	7.26	1070657	12.79	590623	17.43
18	G09204	1114814	7.31	837271	12.80	419907	17.44
19	G09205	1402675	7.27	1125202	12.78	645070	17.43
20	G09206	1188285	7.27	932970	12.79	510029	17.44
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII VOA 1/87 Rev.

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\GT1377.D

Date : 22-OCT-2000 11:24

Client ID:

Instrument: mg.i

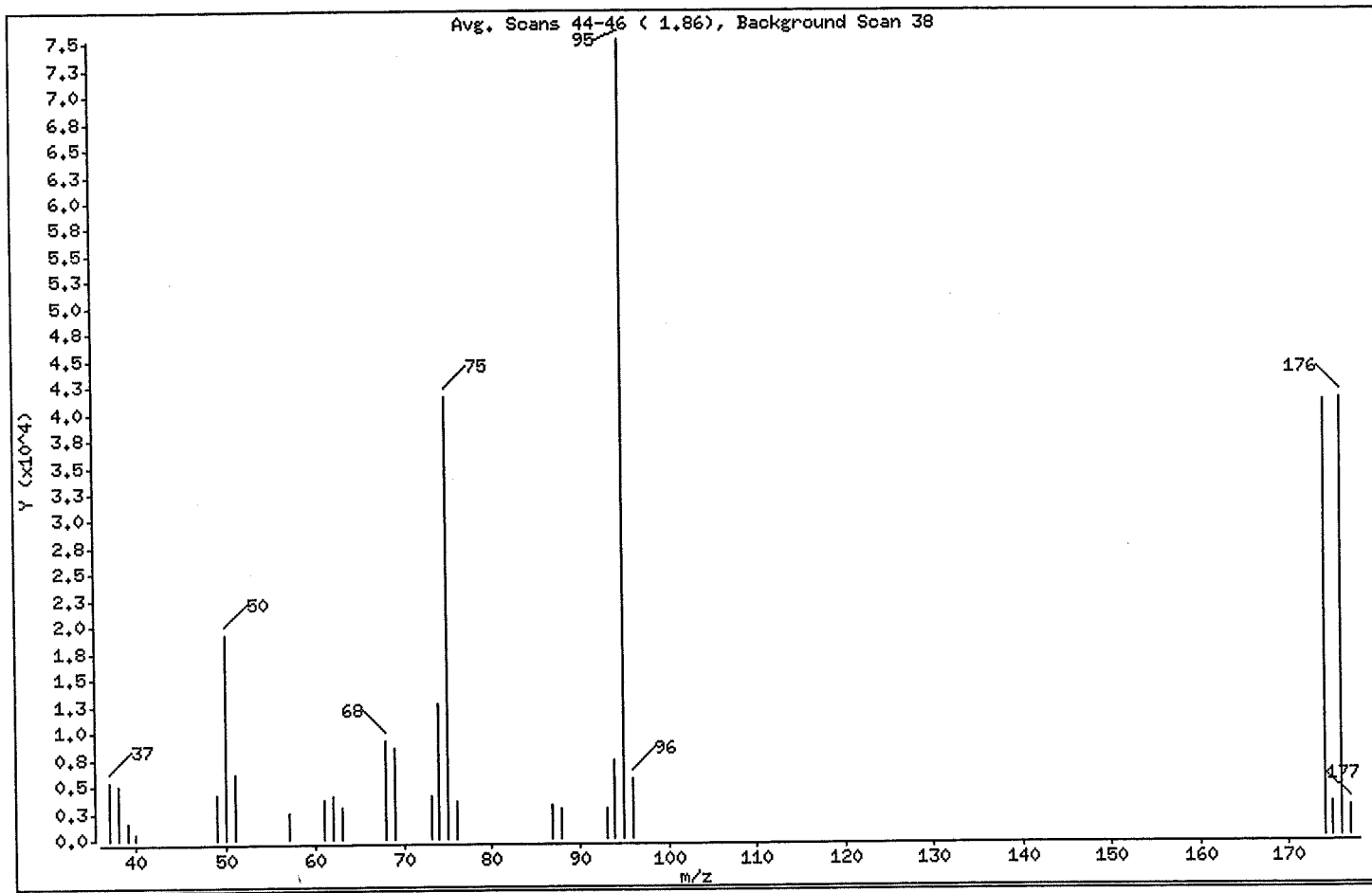
Sample Info: 50ng bfb,,,,,,bfb.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.45
75	30.00 - 60.00% of mass 95	55.27
96	5.00 - 9.00% of mass 95	7.34
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	54.49
175	5.00 - 9.00% of mass 174	4.12 (7.57)
176	95.00 - 101.00% of mass 174	54.72 (100.44)
177	5.00 - 9.00% of mass 176	3.69 (6.74)

10-23-00

STL Los Angeles

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\GT1377.D
Lab Smp Id:
Inj Date : 22-OCT-2000 11:24
Operator : RRT Inst ID: mg.i
Smp Info : 50ng bfb,,,,,,bfb.M
Misc Info : EM1847;1265-2,,,3,all.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\BFB.M
Meth Date : 23-May-2000 08:19 gradyc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.00 Sample Matrix: WATER
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * Vf * VI

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 Bromofluorobenzene						CAS #: 460-00-4		
1.8585	1.8000	(0.000)	95	75208			0.00- 100.00	100.00
1.8585	1.8000	(0.000)	50	19141			15.00- 40.00	25.45
1.8585	1.8000	(0.000)	75	41565			30.00- 60.00	55.27
1.8585	1.8000	(0.000)	96	5519			5.00- 9.00	7.34
1.8585	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.8585	1.8000	(0.000)	174	40978			50.00- 0.00	54.49
1.8585	1.8000	(0.000)	175	3100			5.00- 9.00	7.57
1.8585	1.8000	(0.000)	176	41157			95.00- 101.00	100.44
1.8585	1.8000	(0.000)	177	2775			5.00- 9.00	6.74

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\GT1377.D

Date : 22-OCT-2000 11:24

Client ID:

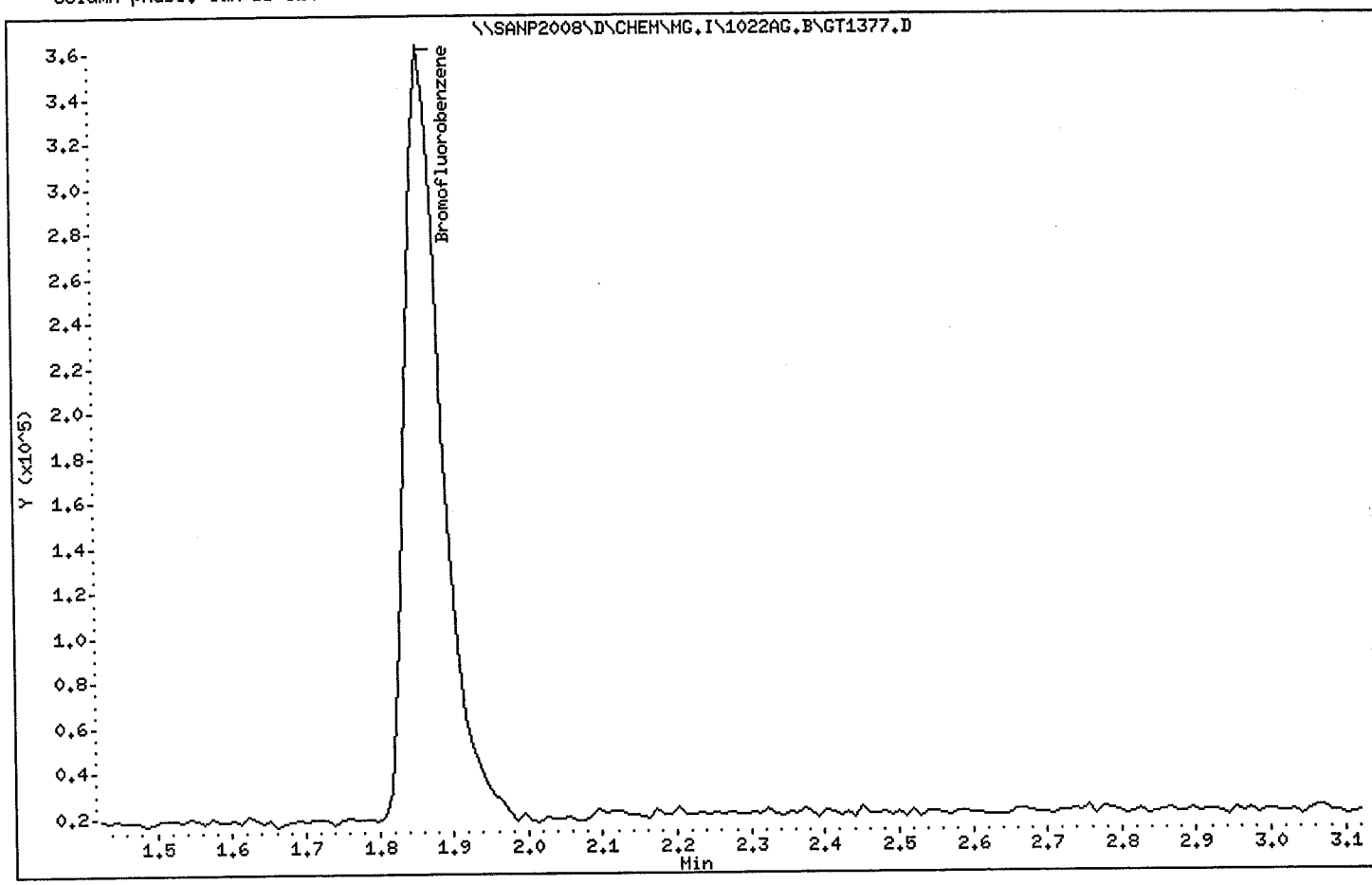
Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\GT1377.D

Date : 22-OCT-2000 11:24

Client ID:

Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Data File: GT1377.D
Spectrum: Avg. Scans 44-46 (1.86), Background Scan 38
Location of Maximum: 95.00
Number of points: 27

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	5319	57.00	2435	74.00	12600	95.00	75208
38.00	5042	61.00	3703	75.00	41560	96.00	5519
39.00	1537	62.00	3988	76.00	3391	174.00	40976
40.00	530	63.00	2954	87.00	3143	175.00	3100
49.00	4131	68.00	9134	88.00	2763	176.00	41152
50.00	19136	69.00	8442	93.00	2849	177.00	2775
51.00	5967	73.00	4038	94.00	7289		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2309.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m

Injection Date: 22-OCT-2000 11:46
Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Init. Cal. Times: 22:09 00:29
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Dichlorodifluoromethane	0.46420	0.35058	0.010	-24.5	50.0	
	3 Chloromethane (**)	0.34566	0.36092	0.100	4.4	50.0	
	2 Vinyl chloride (*)	0.36047	0.37771	0.010	4.8	20.0	
	4 Bromomethane	0.16537	0.21037	0.010	27.2	50.0	
	5 Chloroethane	0.13763	0.20823	0.010	51.3	50.0	<-
	6 Trichlorofluoromethane	0.55521	0.74060	0.010	33.4	50.0	
	7 Acrolein	0.02876	0.03092	0.001	7.5	50.0	
	8 1,1-Dichloroethene(*)	0.25243	0.29339	0.010	16.2	20.0	
	9 1,1,2-Trichlorotrifluoroeth	0.35918	0.41968	0.010	16.8	50.0	
	10 Acetone	0.09673	0.13326	0.010	37.8	50.0	
	11 Iodomethane	0.53186	0.63816	0.001	20.0	50.0	
	12 Carbon disulfide	0.99982	0.99642	0.010	-0.3	50.0	
	13 Methylene chloride	0.30813	0.35967	0.010	16.7	50.0	
	14 t-Butanol	0.00803	0.01185	0.001	47.6	20.0	<-
	16 Acrylonitrile	0.08506	0.10818	0.001	27.2	20.0	<-
	15 trans-1,2-Dichloroethene	0.30349	0.36425	0.010	20.0	50.0	
	19 Vinyl acetate	1.20899	1.58112	0.010	30.8	50.0	
	17 Methyl-tert-butyl ether[MTB	0.83613	1.07814	0.010	28.9	50.0	
	18 1,1-Dichloroethane (**)	0.68835	0.83078	0.100	20.7	50.0	
	20 Isopropyl ether	1.56726	1.98267	0.010	26.5	20.0	<-
	22 Tert-butyl ethyl ether	1.25390	1.57988	0.010	26.0	20.0	<-
	21 2,2-Dichloropropane	0.56113	0.73949	0.010	31.8	50.0	
	23 cis-1,2-Dichloroethene	0.32212	0.37093	0.010	15.2	50.0	
	24 2-Butanone	0.19635	0.25528	0.010	30.0	50.0	
	25 Bromochloromethane	0.18702	0.21832	0.010	16.7	50.0	
	27 Tetrahydrofuran	0.13360	0.18539	0.010	38.8	50.0	
	26 Chloroform (*)	0.70219	0.81564	0.010	16.2	20.0	
M	28 1,2-Dichloroethene (total)	0.31281	0.36759	0.010	17.5	50.0	
$	29 Dibromofluoromethane	0.57587	0.64404	0.010	11.8	50.0	
	30 1,1,1-Trichloroethane	0.56932	0.73044	0.010	28.3	50.0	
	31 Carbon Tetrachloride	0.52227	0.67007	0.010	28.3	50.0	
	32 1,1-Dichloropropene	0.53757	0.69049	0.010	28.4	50.0	
$	33 1,2-Dichloroethane-d4	0.45684	0.55000	0.010	20.4	50.0	
	34 1,2-Dichloroethane-d4 2nd	0.07197	0.10028	0.010	39.3	50.0	
	35 Benzene	0.98881	1.17330	0.010	18.7	50.0	

10-23-00

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2309.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m

Injection Date: 22-OCT-2000 11:46
Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Init. Cal. Times: 22:09 00:29
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	36 1,2-Dichloroethane	0.51519	0.65428	0.010	27.0	50.0	
	37 Tert-amyl methyl ether	1.00114	1.30784	0.010	30.6	20.0	<-
	39 Trichloroethene	0.37451	0.42304	0.010	13.0	50.0	
	40 1,2-Dichloropropane(*)	0.46264	0.54723	0.010	18.3	20.0	
	41 Dibromomethane	0.33793	0.37773	0.010	11.8	50.0	
	42 Bromodichloromethane	0.73591	0.82505	0.010	12.1	50.0	
	44 2-Chloroethylvinyl ether	0.04854	0.06426	0.010	32.4	20.0	<-
	43 1-Bromo-2-chloroethane	0.87901	0.96765	0.010	10.1	50.0	
	45 cis-1,3-Dichloropropene	0.60154	0.62845	0.010	4.5	50.0	
	46 4-Methyl-2-pentanone	0.48136	0.58746	0.010	22.0	50.0	
$	47 Toluene-d8	1.23442	1.34521	0.010	9.0	50.0	
	48 Toluene (*)	1.40813	1.55968	0.010	10.8	20.0	
	49 trans-1,3-Dichloropropene	0.67386	0.80875	0.010	20.0	50.0	
	50 1,1,2-Trichloroethane	0.47150	0.51016	0.010	8.2	50.0	
	51 Tetrachloroethene	0.42572	0.48437	0.010	13.8	50.0	
	52 1,3-Dichloropropane	0.85229	0.96271	0.010	13.0	50.0	
	53 2-Hexanone	0.46450	0.61796	0.010	33.0	50.0	
	54 Dibromochloromethane	0.75785	0.81112	0.010	7.0	50.0	
	55 1,2-Dibromoethane	0.65749	0.70408	0.010	7.1	50.0	
	57 Chlorobenzene (**)	0.96640	1.06692	0.300	10.4	50.0	
	58 1,1,1,2-Tetrachloroethane	0.52618	0.56298	0.010	7.0	50.0	
	59 Ethylbenzene (*)	0.45785	0.53896	0.010	17.7	20.0	
	60 m,p-Xylenes	0.55027	0.63296	0.010	15.0	50.0	
	61 o-Xylene	0.51797	0.63156	0.010	21.9	50.0	
	62 Styrene	0.88219	1.04080	0.010	18.0	50.0	
M	63 Xylenes (total)	0.53950	0.63249	0.010	17.2	50.0	
	64 Bromoform (**)	0.54767	0.60239	0.100	10.0	50.0	
	65 Isopropylbenzene	1.55119	1.92029	0.010	23.8	50.0	
$	67 4-Bromofluorobenzene	1.63808	1.81042	0.010	10.5	50.0	
	66 4-Bromofluorobenzene-2nd	0.93147	1.00211	0.010	7.6	50.0	
	68 Bromobenzene	0.89290	0.96617	0.010	8.2	50.0	
	69 1,1,2,2-Tetrachloroethane(*	1.50992	1.61259	0.300	6.8	50.0	
	70 1,2,3-Trichloropropane	0.35105	0.42089	0.010	19.9	50.0	
	71 n-Propylbenzene	3.83988	4.37734	0.010	14.0	50.0	
	72 2-Chlorotoluene	0.67258	0.76471	0.010	13.7	50.0	
	73 4-Chlorotoluene	0.65137	0.76541	0.010	17.5	50.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2309.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m

Injection Date: 22-OCT-2000 11:46
Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Init. Cal. Times: 22:09 00:29
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.44521	2.84573	0.010	16.4	50.0
75 tert-Butylbenzene	2.43048	2.74599	0.010	13.0	50.0
76 1,2,4-Trimethylbenzene	2.44929	2.81325	0.010	14.9	50.0
77 sec-Butylbenzene	3.29814	3.84213	0.010	16.5	50.0
78 1,3-Dichlorobenzene	1.44325	1.58359	0.010	9.7	50.0
80 1,4-Dichlorobenzene	1.47887	1.68405	0.010	13.9	50.0
81 p-Isopropyltoluene	2.51305	2.99463	0.010	19.2	50.0
82 1,2-Dichlorobenzene	1.37067	1.53478	0.010	12.0	50.0
83 n-Butylbenzene	2.59306	3.28346	0.010	26.6	50.0
84 1,2-Dibromo-3-chloropropane	0.34315	0.41920	0.010	22.2	50.0
85 1,2,4-Trichlorobenzene	0.98845	1.20201	0.010	21.6	50.0
86 Hexachlorobutadiene	0.77052	0.93008	0.010	20.7	50.0
87 Napthalene	1.87151	2.18624	0.010	16.8	50.0
88 1,2,3-Trichlorobenzene	0.97584	1.15040	0.010	17.9	50.0

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2008\D\CHEM\MG.I\1022AG.B/GS2309.D
Inj. Date : 22-OCT-2000 11:46

ICAL Mid Point : //SANP2008/D/chem/mg.i/1018BG.B/GS2295.D
Inj. Date : 18-OCT-2000 23:19

IS NAME	ICAL RT	CCV RT	DIFF.	ICAL AREA	CCV AREA	%DIFF.
Fluorobenzene	7.08	7.26	-0.18	1248208	1602641	128.4%
Chlorobenzene-d5	12.59	12.81	-0.21	901954	1084284	120.2%
1,4-Dichlorobenzene-d4	17.24	17.44	-0.20	473592	615884	130.0%

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2309.D
Lab Smp Id: 50 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Misc Info: 1259-1;53-2A;65-1,,5,,2,1-8260B.SUB

Calibration Date: 22-OCT-2000
Calibration Time: 11:46

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602641	801321	3205282	1602641	0.00
56 Chlorobenzene-d5	1084284	542142	2168568	1084284	0.00
79 1,4-Dichlorobenze	615884	307942	1231768	615884	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.26	6.76	7.76	7.26	0.00
56 Chlorobenzene-d5	12.81	12.31	13.31	12.81	0.00
79 1,4-Dichlorobenze	17.44	16.94	17.94	17.44	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\GS2309.D
Lab Smp Id: 50 PPB 8260B
Inj Date : 22-OCT-2000 11:46
Operator : RRT Inst ID: mg.i
Smp Info : 50 PPB 8260B,,,3,0,,,8260BGS.M
Misc Info : 1259-1;53-2A;65-1,,5,,2,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 12:13 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.576	1.576	(0.217)	561852	50.0000	37.76
3 Chloromethane (**)	50	1.832	1.832	(0.252)	578422	50.0000	52.21
2 Vinyl chloride (*)	62	1.803	1.803	(0.248)	605336	50.0000	52.39
4 Bromomethane	94	2.089	2.089	(0.287)	337143	50.0000	63.61
5 Chloroethane	64	2.167	2.167	(0.298)	333721	50.0000	75.65
6 Trichlorofluoromethane	101	2.424	2.424	(0.334)	1186917	50.0000	66.70
7 Acrolein	56	2.838	2.838	(0.391)	495558	500.000	537.5(A)
8 1,1-Dichloroethene(*)	96	2.937	2.937	(0.404)	470202	50.0000	58.11
9 1,1,2-Trichlorotrifluoroethan	151	2.946	2.946	(0.406)	672598	50.0000	58.42
10 Acetone	43	3.035	3.035	(0.418)	1067815	250.000	344.4
11 Iodomethane	142	3.094	3.094	(0.426)	2045495	100.000	120.0(A)
12 Carbon disulfide	76	3.173	3.173	(0.437)	1596900	50.0000	49.83
13 Methylene chloride	84	3.508	3.508	(0.483)	576419	50.0000	58.36
14 t-Butanol	59	3.765	3.765	(0.518)	474857	1250.00	1844(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Acrylontrile	53	3.844	3.844	(0.529)	1733729	500.000	635.9(A)
	15 trans-1,2-Dichloroethene	96	3.853	3.853	(0.530)	583758	50.0000	60.01
	19 Vinyl acetate	43	4.593	4.593	(0.632)	5067925	100.000	130.8(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.893	3.893	(0.536)	1727877	50.0000	64.47
	18 1,1-Dichloroethane (**)	63	4.465	4.465	(0.615)	1331444	50.0000	60.34
	20 Isopropyl ether	45	4.642	4.642	(0.639)	3177508	50.0000	63.25
	22 Tert-butyl ethyl ether	59	5.194	5.194	(0.715)	2531987	50.0000	63.00
	21 2,2-Dichloropropane	77	5.352	5.352	(0.737)	1185138	50.0000	65.89
	23 cis-1,2-Dichloroethene	96	5.372	5.372	(0.739)	594470	50.0000	57.58
	24 2-Butanone	43	5.460	5.460	(0.752)	2045616	250.000	325.0
	25 Bromochloromethane	128	5.756	5.756	(0.792)	349893	50.0000	58.37
	27 Tetrahydrofuran	42	5.865	5.865	(0.807)	297107	50.0000	69.38
	26 Chloroform (*)	83	5.914	5.914	(0.814)	1307174	50.0000	58.08
M	28 1,2-Dichloroethene (total)	100				1178229	100.000	117.6
$	29 Dibromofluoromethane	111	6.180	6.180	(0.851)	1032170	50.0000	55.92
	30 1,1,1-Trichloroethane	97	6.141	6.141	(0.845)	1170633	50.0000	64.15
	31 Carbon Tetrachloride	117	6.407	6.407	(0.882)	1073889	50.0000	64.15
	32 1,1-Dichloropropene	75	6.427	6.427	(0.885)	1106614	50.0000	64.22
$	33 1,2-Dichloroethane-d4	65	6.703	6.703	(0.923)	881445	50.0000	60.20
	34 1,2-Dichloroethane-d4 2nd	102	6.713	6.713	(0.924)	160719	50.0000	69.67
	35 Benzene	78	6.762	6.762	(0.931)	1880383	50.0000	59.33
	36 1,2-Dichloroethane	62	6.821	6.821	(0.939)	1048570	50.0000	63.50
	37 Tert-amyl methyl ether	73	7.058	7.058	(0.971)	2095997	50.0000	65.32
*	38 Fluorobenzene	96	7.265	7.265	(1.000)	1602641	50.0000	
	39 Trichloroethene	130	7.906	7.906	(1.088)	677976	50.0000	56.48
	40 1,2-Dichloropropane(*)	63	8.290	8.290	(1.141)	877006	50.0000	59.14
	41 Dibromomethane	93	8.507	8.507	(1.171)	605366	50.0000	55.89
	42 Bromodichloromethane	83	8.832	8.832	(1.216)	1322266	50.0000	56.06
	44 2-Chloroethylvinyl ether	106	9.444	9.444	(1.300)	205975	100.000	132.4(AQ)
	43 1-Bromo-2-chloroethane	63	9.335	9.335	(1.285)	1550795	50.0000	55.04
	45 cis-1,3-Dichloropropene	75	9.641	9.641	(1.327)	1007177	50.0000	52.24
	46 4-Methyl-2-pentanone	43	9.996	9.996	(1.376)	4707411	250.000	305.1
$	47 Toluene-d8	98	10.104	10.104	(0.789)	1458586	50.0000	54.49
	48 Toluene (*)	91	10.213	10.213	(0.797)	1691138	50.0000	55.38
	49 trans-1,3-Dichloropropene	75	10.696	10.696	(0.835)	876913	50.0000	60.01
	50 1,1,2-Trichloroethane	97	11.021	11.021	(0.861)	553160	50.0000	54.10
	51 Tetrachloroethene	164	11.218	11.218	(0.876)	525194	50.0000	56.89
	52 1,3-Dichloropropane	76	11.317	11.317	(0.884)	1043851	50.0000	56.48
	53 2-Hexanone	43	11.563	11.563	(0.903)	3350218	250.000	332.6
	54 Dibromochloromethane	129	11.721	11.721	(0.915)	879486	50.0000	53.51
	55 1,2-Dibromoethane	107	11.879	11.879	(0.928)	763420	50.0000	53.54
*	56 Chlorobenzene-d5	117	12.806	12.806	(1.000)	1084284	50.0000	
	57 Chlorobenzene (**)	112	12.845	12.845	(1.003)	1156845	50.0000	55.20
	58 1,1,1,2-Tetrachloroethane	131	13.032	13.032	(1.018)	610430	50.0000	53.50
	59 Ethylbenzene (*)	106	13.101	13.101	(1.023)	584380	50.0000	58.86
	60 m,p-Xylenes	106	13.348	13.348	(1.042)	1372613	100.000	115.0
	61 o-Xylene	106	14.107	14.107	(1.102)	684786	50.0000	60.96

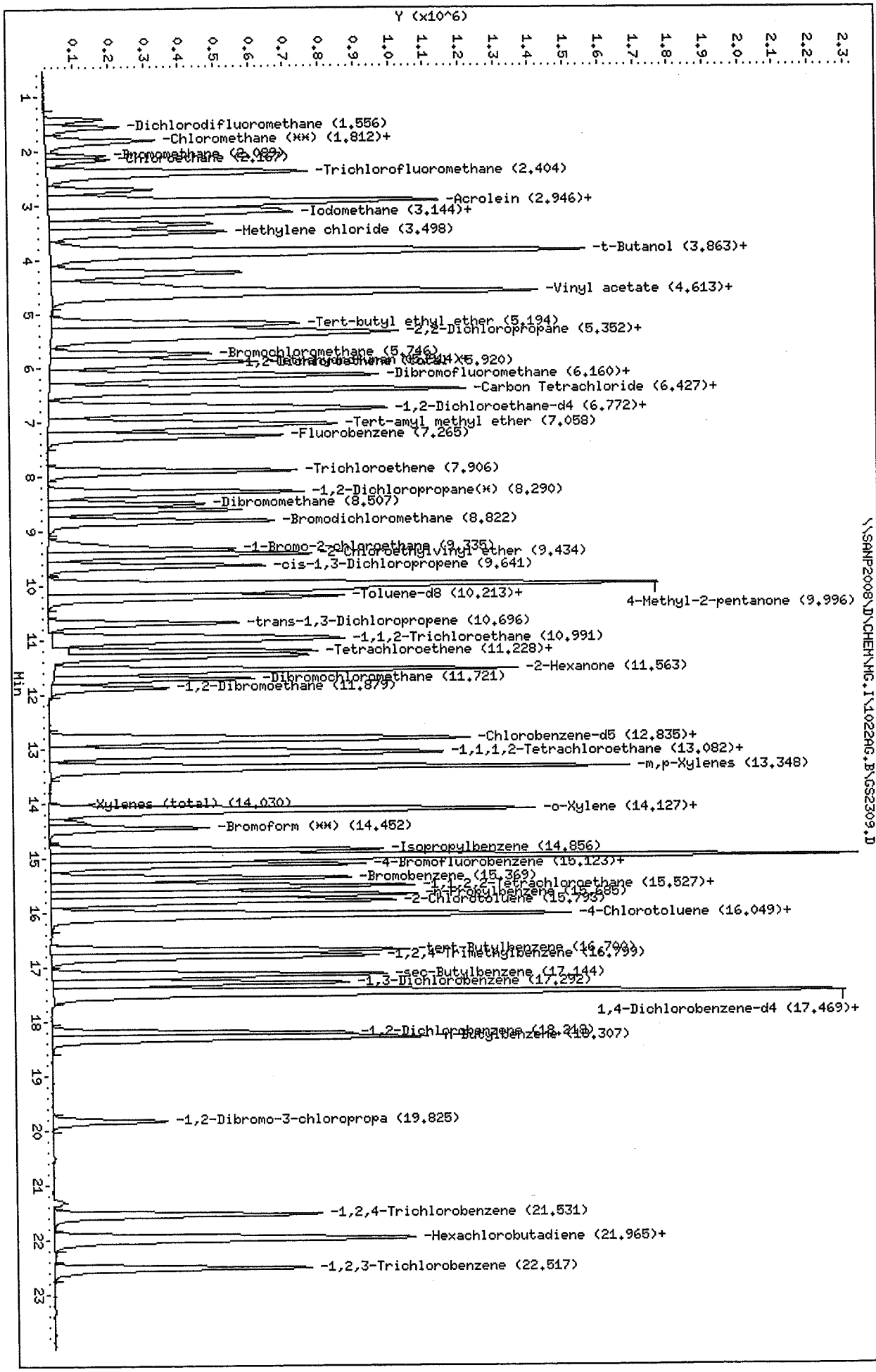
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	14.146	14.146	(1.105)	1128523	50.0000	58.99
M	63 Xylenes (total)	100				2057400	150.000	176.0
	64 Bromoform (**)	173	14.452	14.452	(1.129)	653163	50.0000	55.00
	65 Isopropylbenzene	105	14.856	14.856	(1.160)	2082144	50.0000	61.90
$	67 4-Bromofluorobenzene	95	15.123	15.123	(0.867)	1115010	50.0000	55.26
	66 4-Bromofluorobenzene-2nd	174	15.132	15.132	(0.868)	617182	50.0000	53.79
	68 Bromobenzene	156	15.359	15.359	(0.881)	595051	50.0000	54.10
	69 1,1,2,2-Tetrachloroethane(**)	83	15.507	15.507	(0.889)	993168	50.0000	53.40
	70 1,2,3-Trichloropropane	110	15.537	15.537	(0.891)	259217	50.0000	59.95
	71 n-Propylbenzene	91	15.685	15.685	(0.899)	2695935	50.0000	57.00
	72 2-Chlorotoluene	126	15.793	15.793	(0.906)	470976	50.0000	56.85
	73 4-Chlorotoluene	126	16.020	16.020	(0.919)	471406	50.0000	58.75
	74 1,3,5-Trimethylbenzene	105	16.069	16.069	(0.921)	1752641	50.0000	58.19
	75 tert-Butylbenzene	119	16.700	16.700	(0.958)	1691215	50.0000	56.49
	76 1,2,4-Trimethylbenzene	105	16.808	16.808	(0.964)	1732638	50.0000	57.43
	77 sec-Butylbenzene	105	17.144	17.144	(0.983)	2366305	50.0000	58.25
	78 1,3-Dichlorobenzene	146	17.301	17.301	(0.992)	975306	50.0000	54.86
*	79 1,4-Dichlorobenzene-d4	152	17.439	17.439	(1.000)	615884	50.0000	
	80 1,4-Dichlorobenzene	146	17.489	17.489	(1.003)	1037182	50.0000	56.94
	81 p-Isopropyltoluene	119	17.469	17.469	(1.002)	1844348	50.0000	59.58
	82 1,2-Dichlorobenzene	146	18.218	18.218	(1.045)	945245	50.0000	55.99
	83 n-Butylbenzene	91	18.307	18.307	(1.050)	2022232	50.0000	63.31
	84 1,2-Dibromo-3-chloropropane	157	19.835	19.835	(1.137)	258181	50.0000	61.08
	85 1,2,4-Trichlorobenzene	180	21.551	21.551	(1.236)	740300	50.0000	60.80
	86 Hexachlorobutadiene	225	21.945	21.945	(1.258)	572824	50.0000	60.35
	87 Napthalene	128	22.014	22.014	(1.262)	1346470	50.0000	58.41
	88 1,2,3-Trichlorobenzene	180	22.517	22.517	(1.291)	708511	50.0000	58.94

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\GS2309.D
Date : 22-OCT-2000 11:46
Client ID:
Sample Info: 50 PPB 8260B,,3,0,,8260BGS.M
Column phase: J&W DB-624

Instrument: mg.i
Operator: RRT
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09187.D
Lab Smp Id: LCS-1022AG Client Smp ID: G09187
Inj Date : 22-OCT-2000 12:34
Operator : RRT Inst ID: mg.i
Smp Info : LCS-1022AG,LCS,2,,0,1,0,8260BGS.M,G09187
Misc Info : 1252-1,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 12:13 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

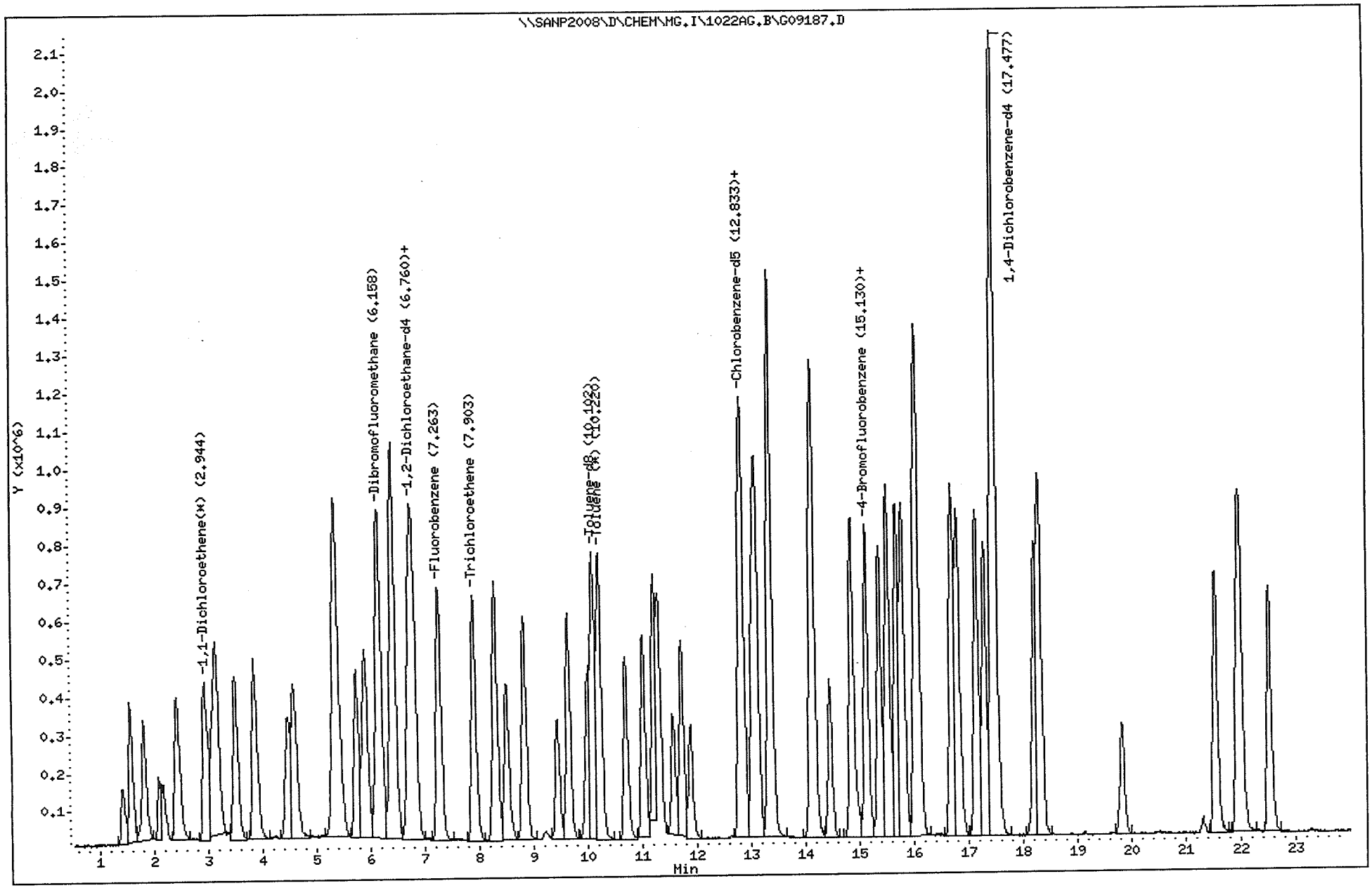
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.944	2.937	(0.405)	456708	54.0042	54.00
$ 29 Dibromofluoromethane	111	6.168	6.180	(0.849)	1021889	52.9664	52.97
$ 33 1,2-Dichloroethane-d4	65	6.701	6.703	(0.923)	845128	55.2183	55.22
34 1,2-Dichloroethane-d4 2nd	102	6.710	6.713	(0.924)	152060	63.0679	63.07
35 Benzene	78	6.770	6.762	(0.932)	1707968	51.5568	51.56
* 38 Fluorobenzene	96	7.263	7.265	(1.000)	1675132	50.0000	
39 Trichloroethene	130	7.904	7.906	(1.088)	617341	49.2015	49.20
$ 47 Toluene-d8	98	10.092	10.104	(0.789)	1427947	51.2324	51.23
48 Toluene (*)	91	10.220	10.213	(0.799)	1531880	48.1812	48.18
* 56 Chlorobenzene-d5	117	12.794	12.806	(1.000)	1128951	50.0000	
57 Chlorobenzene (**)	112	12.853	12.845	(1.005)	1043725	47.8329	47.83
$ 67 4-Bromofluorobenzene	95	15.130	15.123	(0.867)	1100178	52.1365	52.14
66 4-Bromofluorobenzene-2nd	174	15.130	15.132	(0.867)	608379	50.7015	50.70
* 79 1,4-Dichlorobenzene-d4	152	17.447	17.439	(1.000)	644105	50.0000	

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09187.D
Date : 22-OCT-2000 12:34
Client ID: G09187
Sample Info: LCS-1022AG,LCS,2,,0,1,0,8260BGS.M,G09187

Instrument: mg.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



BOE-C6-0158171

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D
Lab Smp Id: MB-1022AG Client Smp ID: G09188
Inj Date : 22-OCT-2000 13:09
Operator : RRT Inst ID: mg.i
Smp Info : MB-1022AG,BLANK,2,,0,1,0,8260BGS.M,G09188
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
10 Acetone	43	3.020	3.035	(0.414)	14149	5.37201	5.37	
$ 29 Dibromofluoromethane	111	6.185	6.180	(0.849)	824969	52.6093	52.61	
$ 33 1,2-Dichloroethane-d4	65	6.717	6.703	(0.922)	664886	53.4485	53.45	
34 1,2-Dichloroethane-d4 2nd	102	6.727	6.713	(0.923)	119576	61.0192	61.02	
* 38 Fluorobenzene	96	7.289	7.265	(1.000)	1361512	50.0000		
$ 47 Toluene-d8	98	10.119	10.104	(0.790)	1304699	48.3448	48.34	
* 56 Chlorobenzene-d5	117	12.810	12.806	(1.000)	1093121	50.0000		
$ 67 4-Bromofluorobenzene	95	15.137	15.123	(0.867)	1044868	51.7342	51.73	
66 4-Bromofluorobenzene-2nd	174	15.147	15.132	(0.867)	566008	49.2842	49.28	
* 79 1,4-Dichlorobenzene-d4	152	17.464	17.439	(1.000)	616480	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D
Lab Smp Id: MB-1022AG Client Smp ID: G09188
Inj Date : 22-OCT-2000 13:09
Operator : RRT Inst ID: mg.i
Smp Info : MB-1022AG,BLANK,2,,0,1,0,8260BGS.M,G09188
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.289	3454694	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.423	891816	12.9073025	12.91	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1022AG
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09188
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

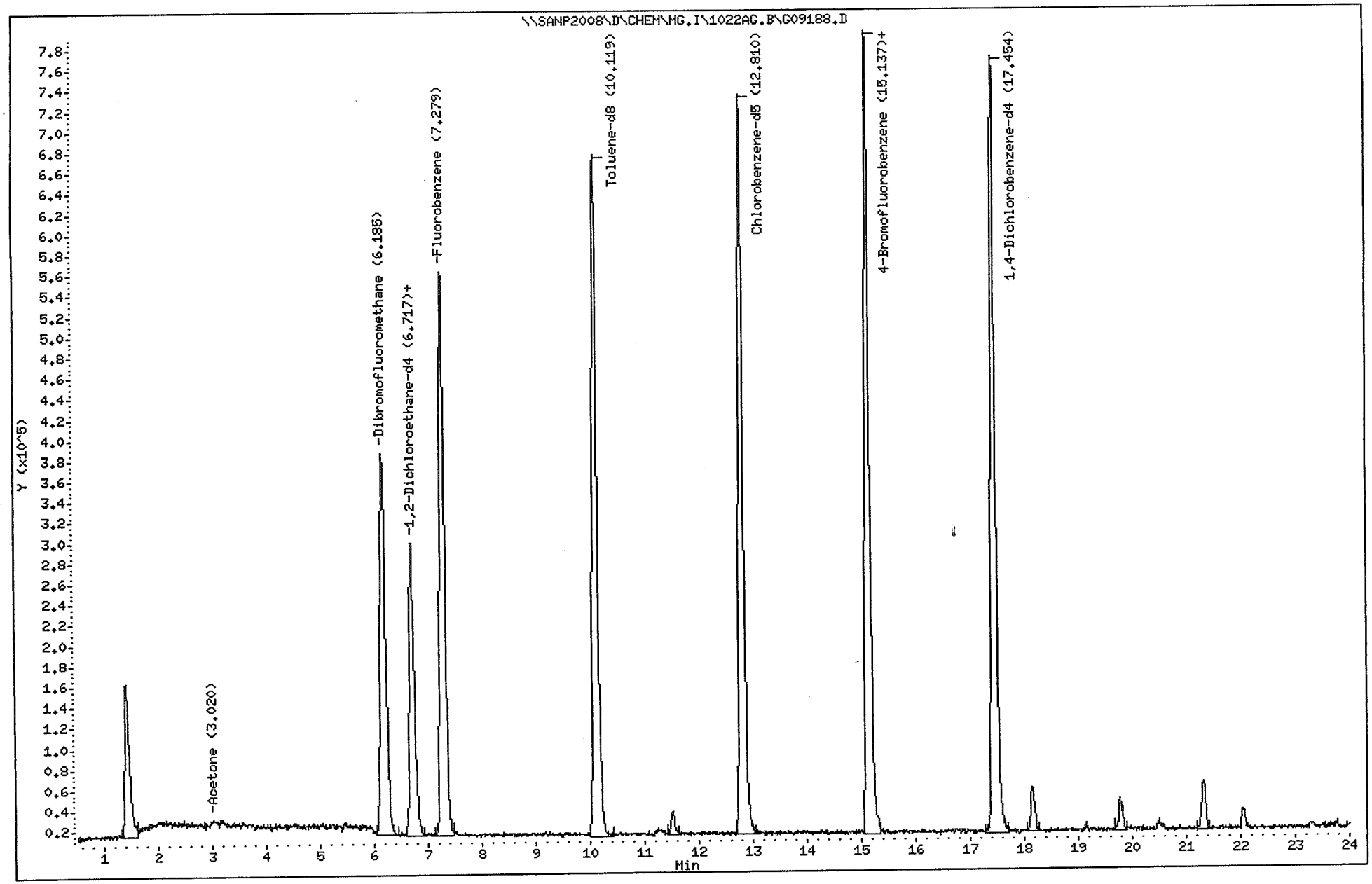
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ CPV	1.423	12.91	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D
Date : 22-OCT-2000 13:09
Client ID: G09188
Sample Info: MB-1022AG,BLANK,2,,0,1,0,8260BGS.M,G09188

Instrument: mg.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



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BOE-C6-0158176

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D

Date : 22-OCT-2000 13:09

Client ID: G09188

Instrument: mg.i

Sample Info: MB-1022AG,BLANK,2,,0,1,0,8260BGS.M,G09188

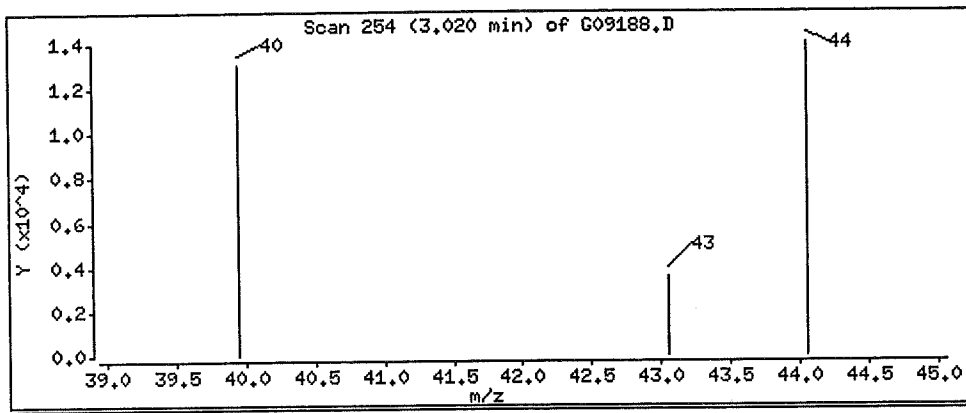
Operator: RRT

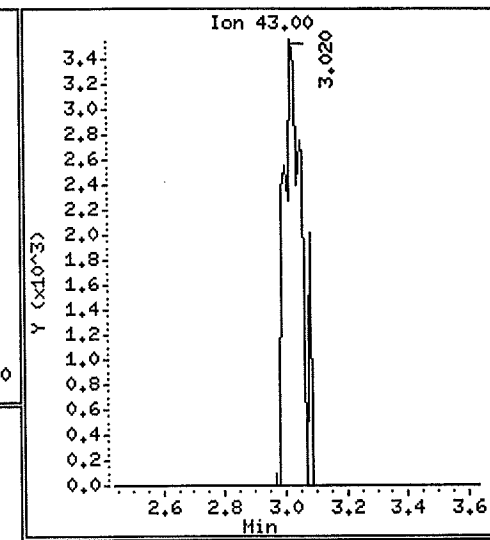
Column phase: J&W DB-624

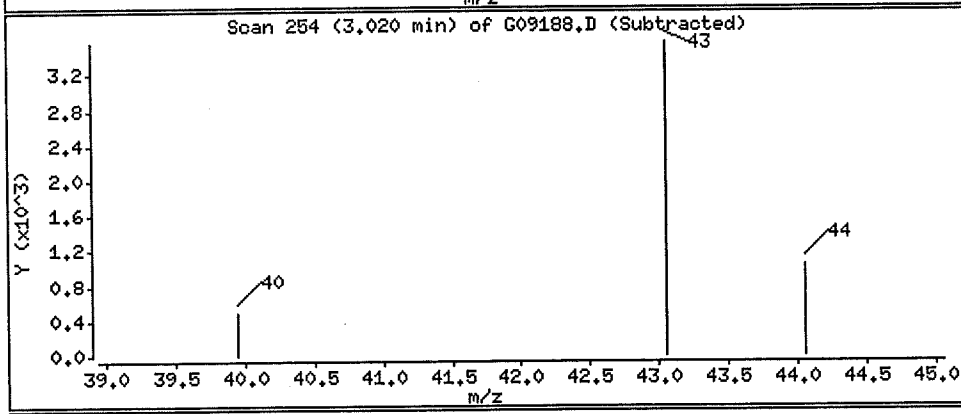
Column diameter: 0.53

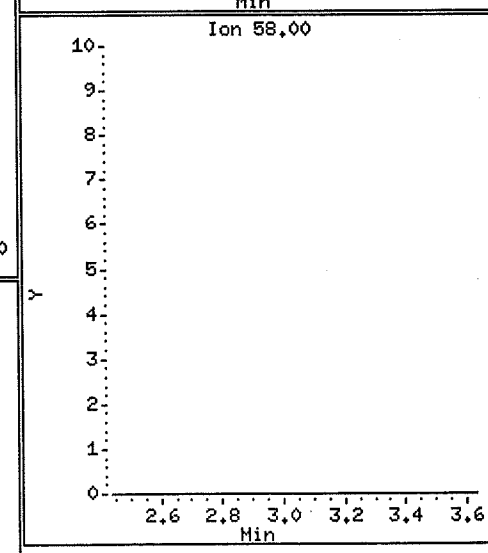
10 Acetone

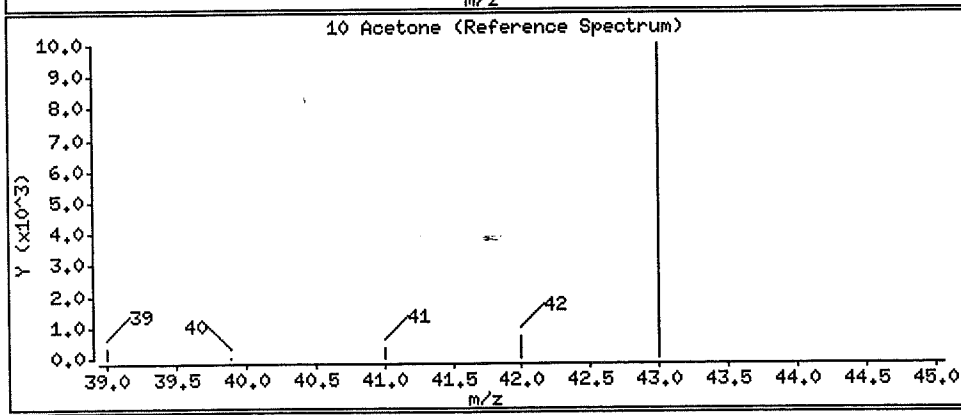
Concentration: 5.37 ug/Kg

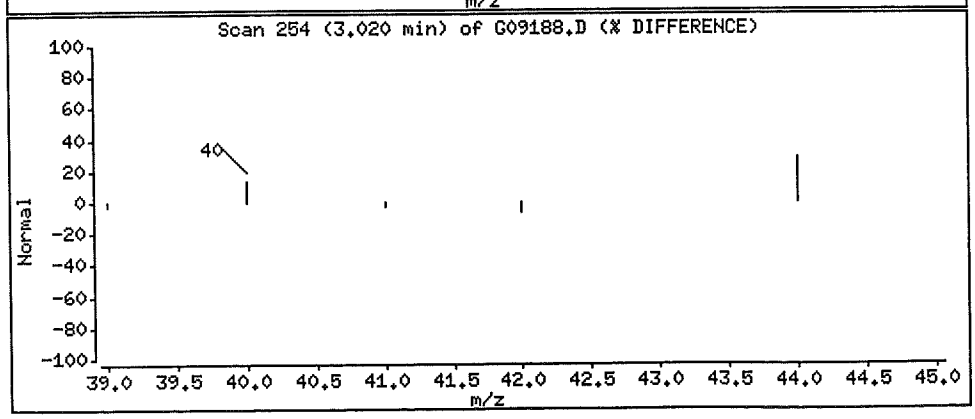












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D

Date : 22-OCT-2000 13:09

Client ID: G09188

Instrument: mg.i

Sample Info: MB-1022AG,BLANK,2,,0,1,0,8260BGS,M,G09188

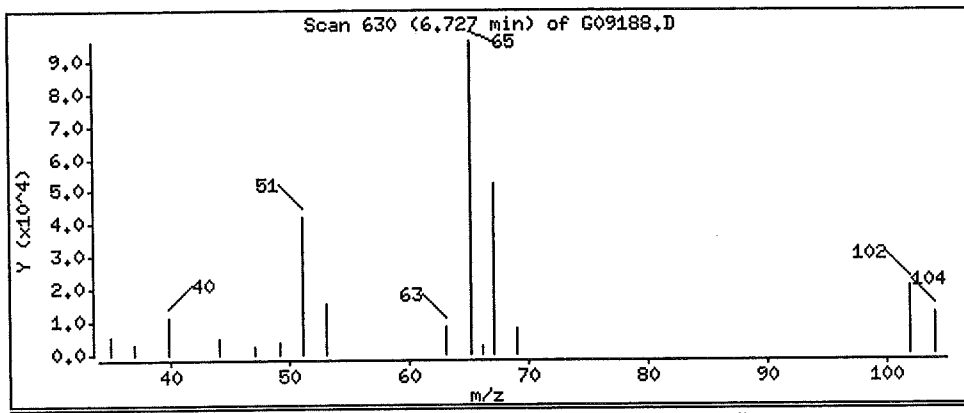
Operator: RRT

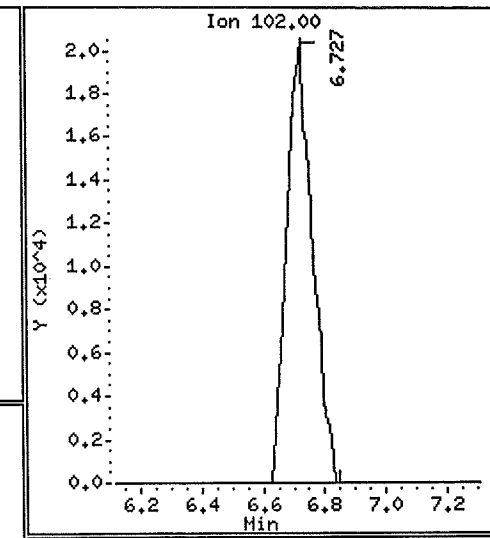
Column phase: J&W DB-624

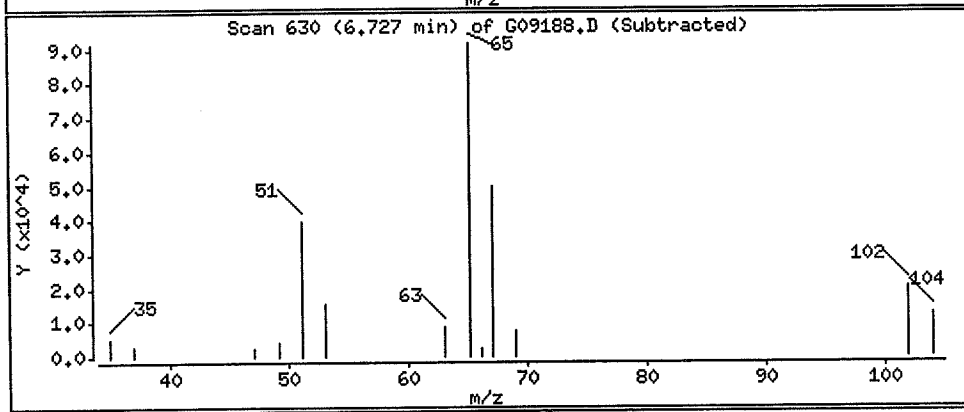
Column diameter: 0.53

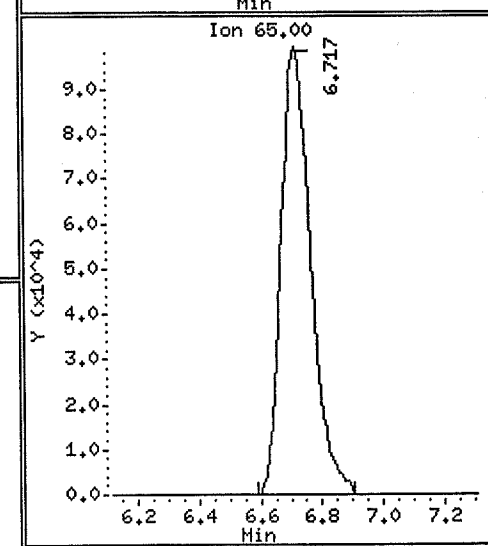
34 1,2-Dichloroethane-d4 2nd

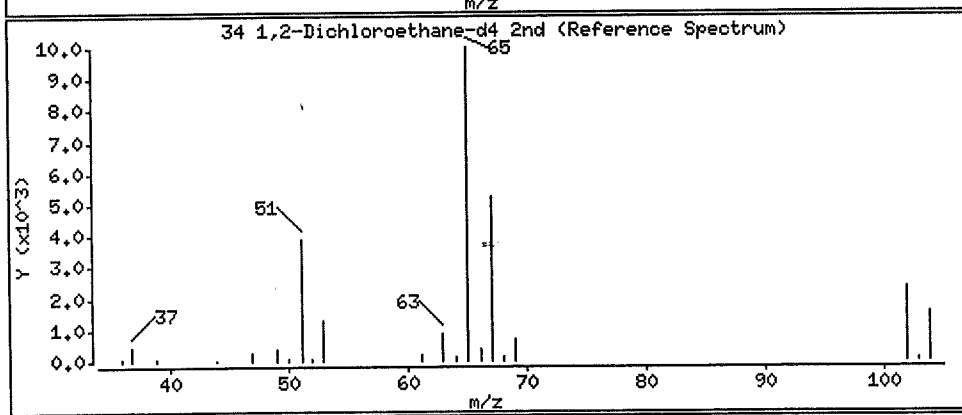
Concentration: 61.02 ug/Kg

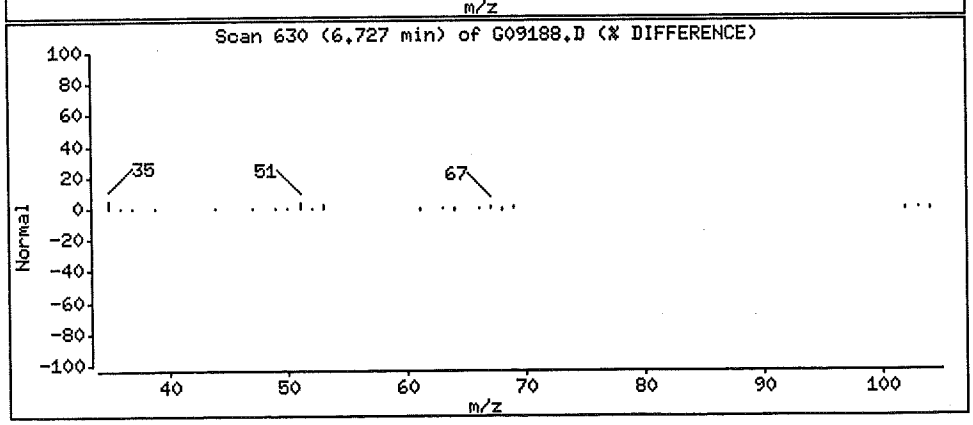












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D

Date : 22-OCT-2000 13:09

Client ID: G09188

Instrument: mg.i

Sample Info: MB-1022AG,BLANK,2,,0,1,0,8260BGS,M,G09188

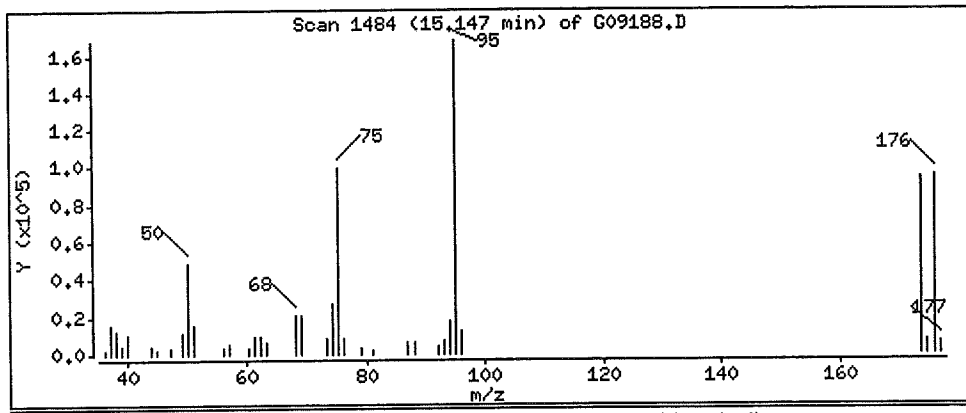
Operator: RRT

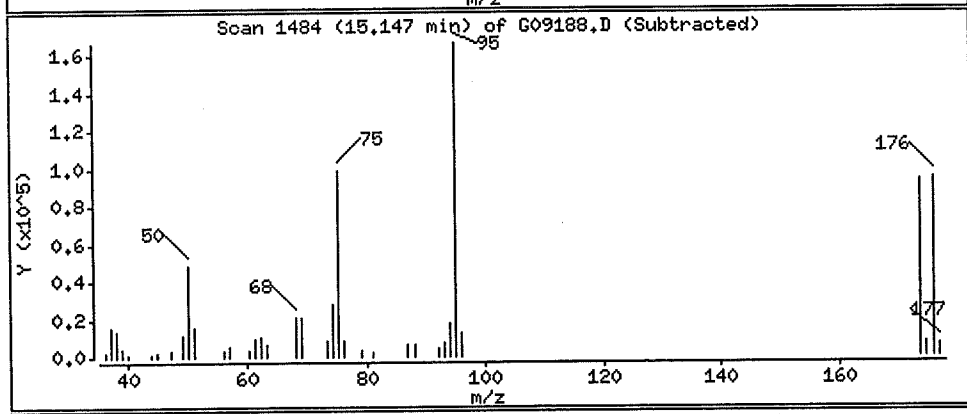
Column phase: J&W DB-624

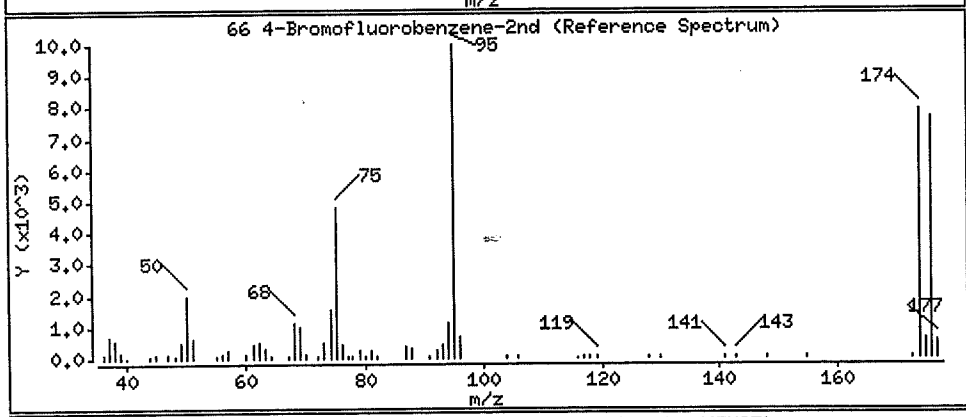
Column diameter: 0.53

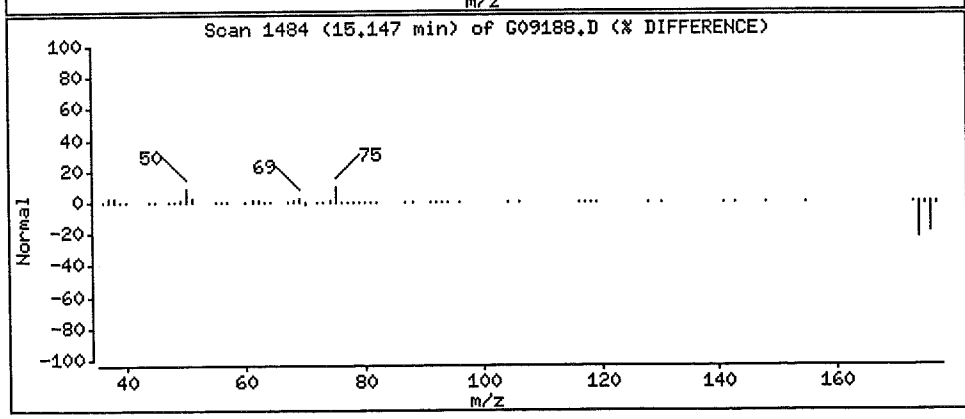
66 4-Bromofluorobenzene-2nd

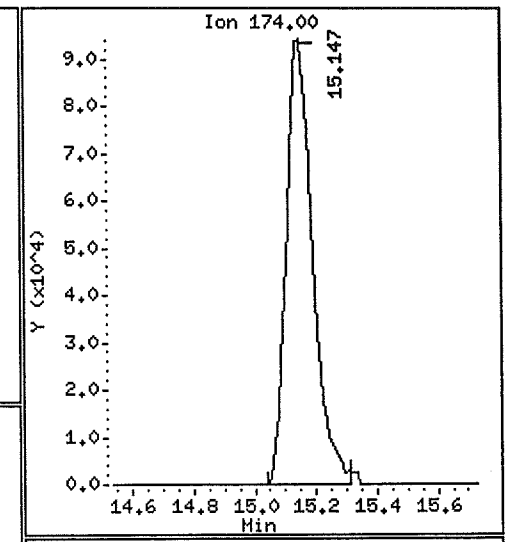
Concentration: 49.28 ug/Kg

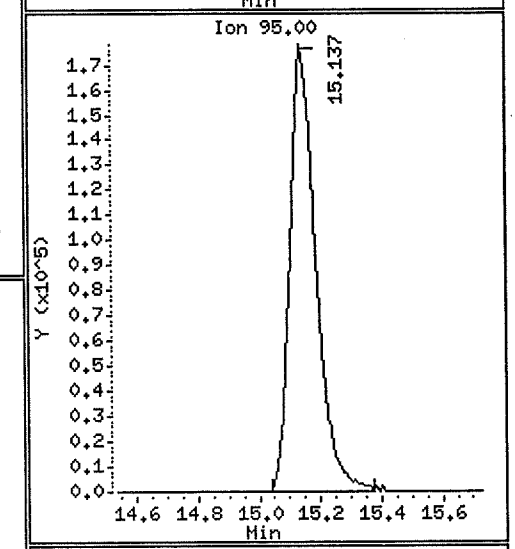


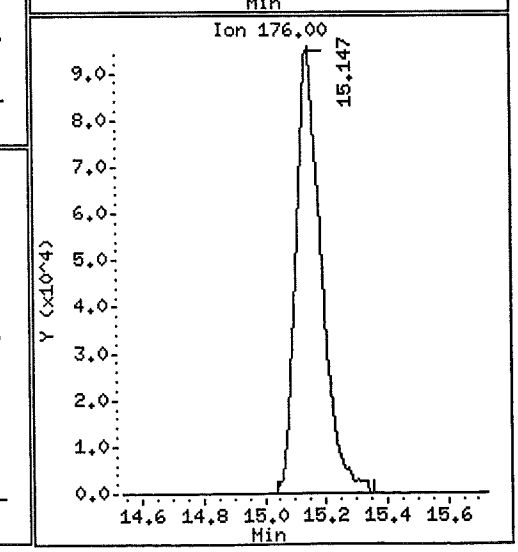












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D

Date : 22-OCT-2000 13:09

Client ID: G09188

Instrument: mg.i

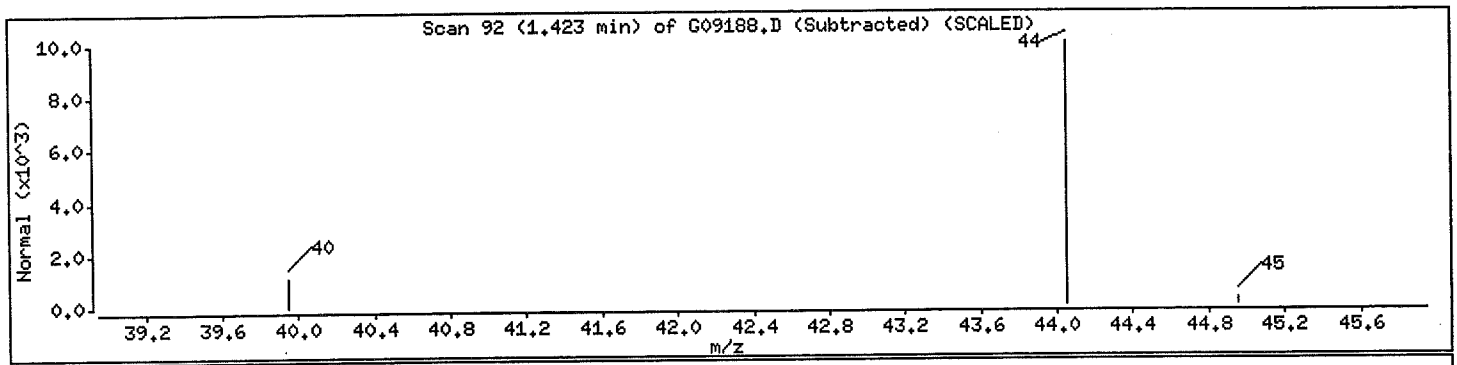
Sample Info: MB-1022AG,BLANK,2,,0,1,0,8260BGS.M,G09188

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09197.D
Lab Smp Id: DM1AP1AC Client Smp ID: G09197
Inj Date : 22-OCT-2000 18:28
Operator : RRT Inst ID: mg.i
Smp Info : DM1AP1AC,MS,2,,0,1,0,8260BGS.M,G09197
Misc Info : ,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 12 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

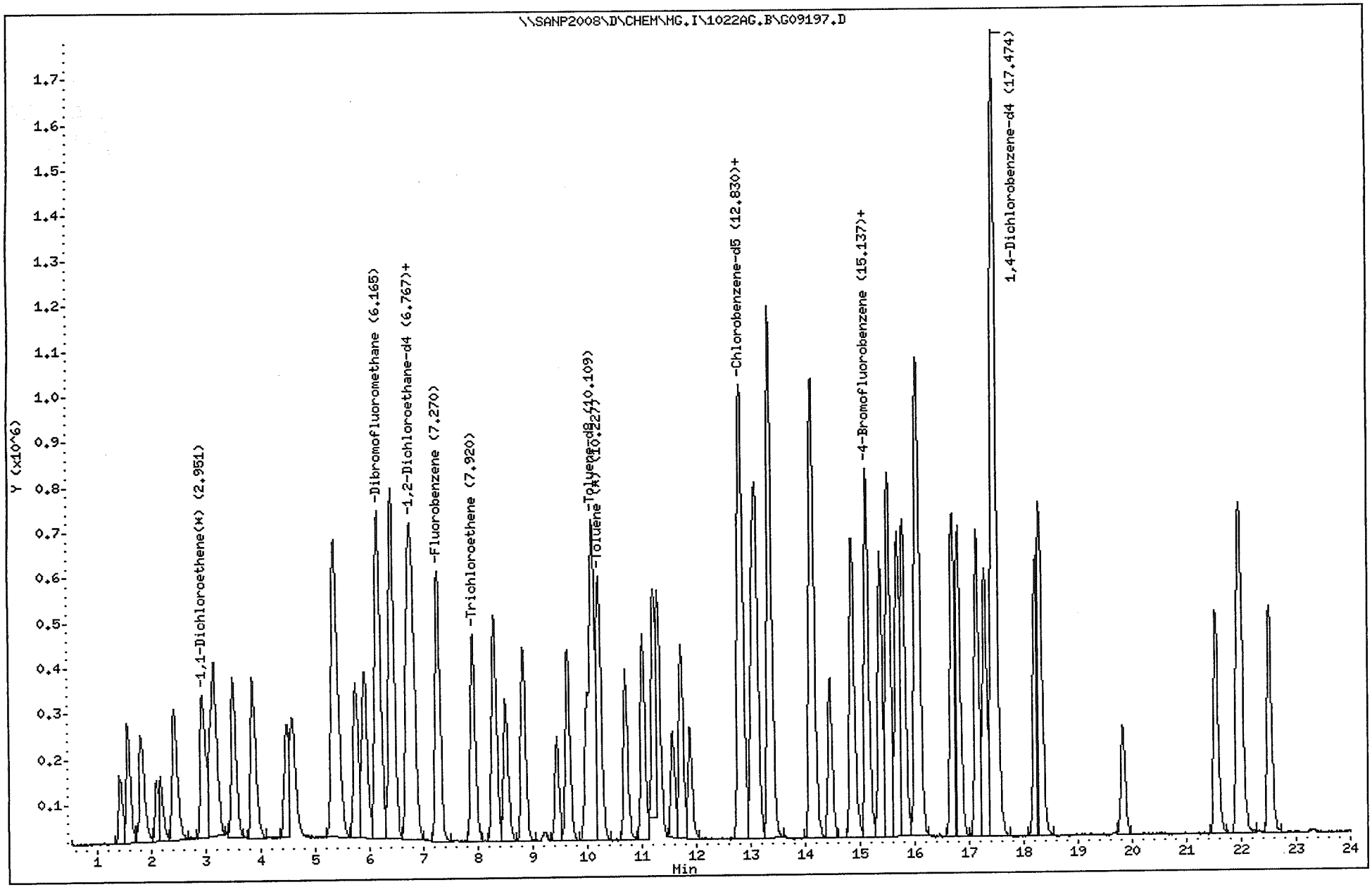
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.932	2.937	(0.403)	354213	48.2150	48.22
$ 29 Dibromofluoromethane	111	6.175	6.180	(0.849)	918516	54.8040	54.80
$ 33 1,2-Dichloroethane-d4	65	6.708	6.703	(0.923)	772590	58.1083	58.11
34 1,2-Dichloroethane-d4 2nd	102	6.718	6.713	(0.924)	137055	65.4360	65.44
35 Benzene	78	6.777	6.762	(0.932)	1306574	45.4013	45.40
* 38 Fluorobenzene	96	7.270	7.265	(1.000)	1455193	50.0000	
39 Trichloroethene	130	7.920	7.906	(1.090)	443261	40.6670	40.67
$ 47 Toluene-d8	98	10.099	10.104	(0.788)	1348242	51.3175	51.32
48 Toluene (*)	91	10.227	10.213	(0.798)	1190407	39.7204	39.72
* 56 Chlorobenzene-d5	117	12.811	12.806	(1.000)	1064167	50.0000	
57 Chlorobenzene (**)	112	12.860	12.845	(1.004)	821466	39.9388	39.94
$ 67 4-Bromofluorobenzene	95	15.137	15.123	(0.868)	1086663	53.2264	53.23
66 4-Bromofluorobenzene-2nd	174	15.137	15.132	(0.868)	594149	51.1795	51.18
* 79 1,4-Dichlorobenzene-d4	152	17.444	17.439	(1.000)	623165	50.0000	

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09197.D
Date : 22-OCT-2000 18:28
Client ID: G09197
Sample Info: DM1AP1AC,MS,2,,0,1,0,8260BGS.M,G09197

Instrument: mg.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



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BOE-C6-0158182

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09198.D
Lab Smp Id: DM1AP1AD Client Smp ID: G09198
Inj Date : 22-OCT-2000 19:02
Operator : RRT Inst ID: mg.i
Smp Info : DM1AP1AD,MSD,2,,0,1,0,8260BGS.M,G09198
Misc Info : ,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 13 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

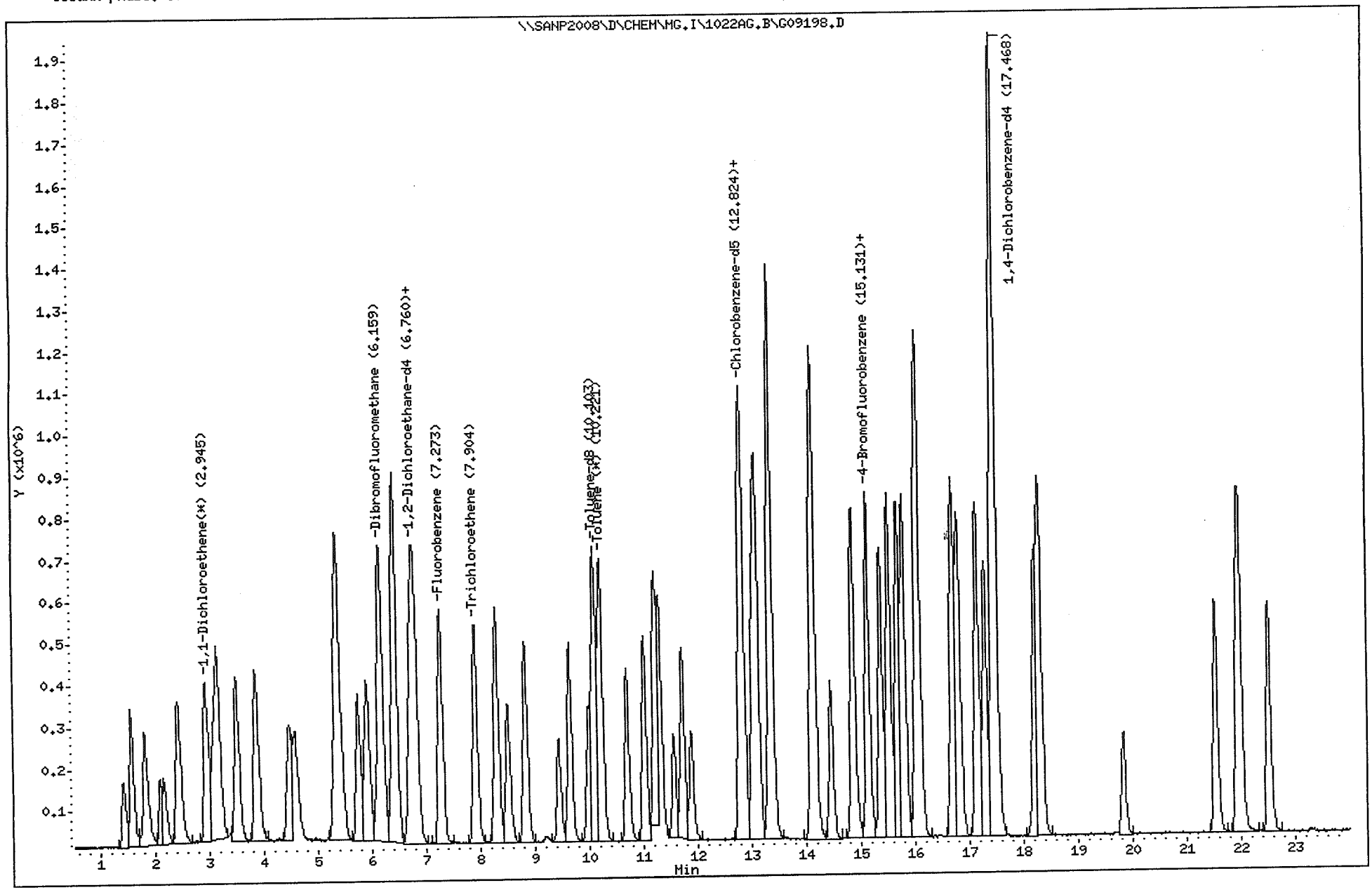
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.955	2.937	(0.406)	414276	59.5554	59.56
$ 29 Dibromofluoromethane	111	6.179	6.180	(0.850)	827132	52.1211	52.12
$ 33 1,2-Dichloroethane-d4	65	6.701	6.703	(0.921)	709896	56.3894	56.39
34 1,2-Dichloroethane-d4 2nd	102	6.721	6.713	(0.924)	123485	62.2657	62.26
35 Benzene	78	6.770	6.762	(0.931)	1389928	51.0082	51.01
* 38 Fluorobenzene	96	7.273	7.265	(1.000)	1377866	50.0000	
39 Trichloroethene	130	7.904	7.906	(1.087)	516507	50.0463	50.05
$ 47 Toluene-d8	98	10.103	10.104	(0.789)	1348480	50.2386	50.24
48 Toluene (*)	91	10.221	10.213	(0.798)	1403543	45.8394	45.84
* 56 Chlorobenzene-d5	117	12.804	12.806	(1.000)	1087214	50.0000	
57 Chlorobenzene (**)	112	12.844	12.845	(1.003)	939249	44.6973	44.70
$ 67 4-Bromofluorobenzene	95	15.131	15.123	(0.868)	1083908	53.4268	53.43
66 4-Bromofluorobenzene-2nd	174	15.131	15.132	(0.868)	592297	51.3423	51.34
* 79 1,4-Dichlorobenzene-d4	152	17.438	17.439	(1.000)	619253	50.0000	

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09198.D
Date : 22-OCT-2000 19:02
Client ID: G09198
Sample Info: DM1AP1AD,MSD,2,,0,1,0,8260BGS.M,G09198

Instrument: mg.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



000651

BOE-C6-0158184

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09189.D
Lab Smp Id: DLW6P101 Client Smp ID: G09189
Inj Date : 22-OCT-2000 13:52
Operator : RRT Inst ID: mg.i
Smp Info : DLW6P101,,2,,0,1,0,8260BGS.M,G09189
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.034	3.035	(0.418)	20228	6.86526	6.86
$ 29 Dibromofluoromethane	111	6.170	6.180	(0.849)	938948	53.5268	53.53
$ 33 1,2-Dichloroethane-d4	65	6.702	6.703	(0.923)	691099	49.6631	49.66
34 1,2-Dichloroethane-d4 2nd	102	6.692	6.713	(0.921)	118888	54.2332	54.23
* 38 Fluorobenzene	96	7.264	7.265	(1.000)	1523057	50.0000	
$ 47 Toluene-d8	98	10.103	10.104	(0.790)	1358649	51.2095	51.21
* 56 Chlorobenzene-d5	117	12.795	12.806	(1.000)	1074642	50.0000	
$ 67 4-Bromofluorobenzene	95	15.132	15.123	(0.867)	1044162	50.1205	50.12
66 4-Bromofluorobenzene-2nd	174	15.142	15.132	(0.868)	563735	47.5873	47.59
* 79 1,4-Dichlorobenzene-d4	152	17.449	17.439	(1.000)	635899	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09189.D
Lab Smp Id: DLW6P101 Client Smp ID: G09189
Inj Date : 22-OCT-2000 13:52
Operator : RRT Inst ID: mg.i
Smp Info : DLW6P101,,2,,0,1,0,8260BGS.M,G09189
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.264	3963415	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.417	1184052	14.9372660	14.94	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW6P101
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09189
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ 29	1.417	14.94	_J__

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09189.D

Date : 22-OCT-2000 13:52

Client ID: G09189

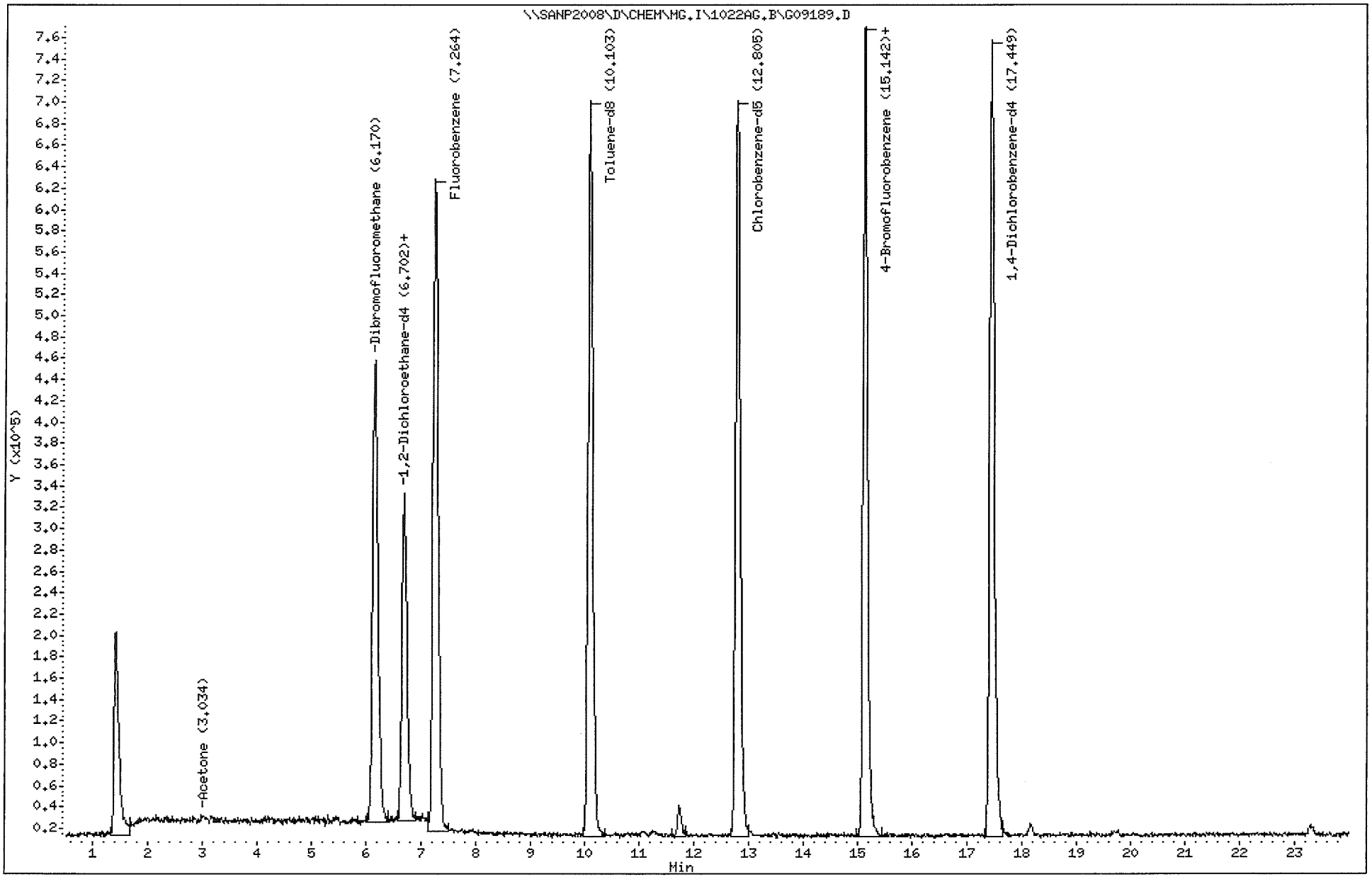
Sample Info: DLW6P101,,2,,0,1,0,8260BGS.M,G09189

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT

Column diameter: 0.53



000656

BOE-C6-0158189

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09189.D

Date : 22-OCT-2000 13:52

Client ID: G09189

Instrument: mg.i

Sample Info: DLW6P101,,2,,0,1,0,8260BGS,M,G09189

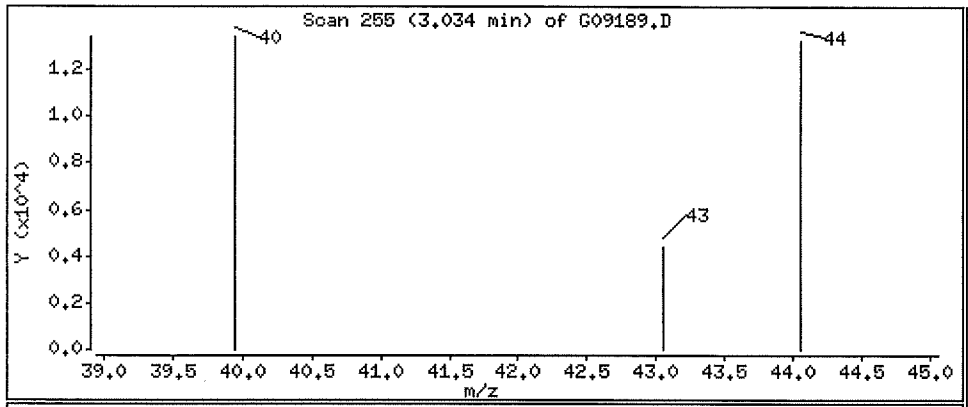
Operator: RRT

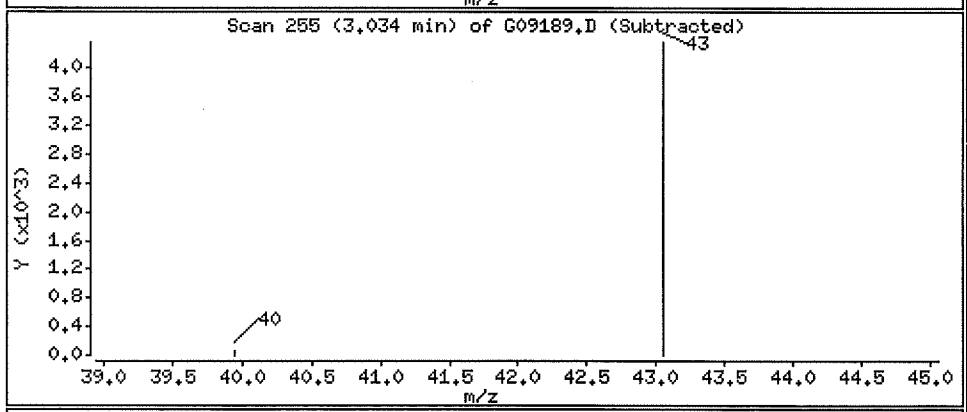
Column phase: J&W DB-624

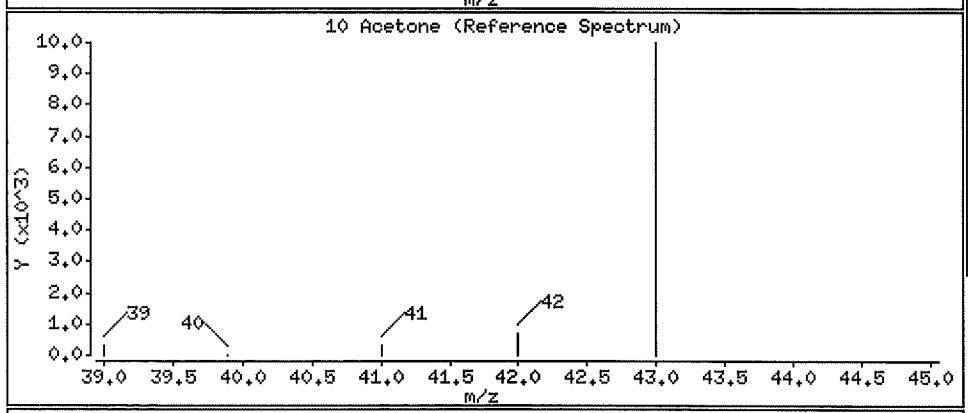
Column diameter: 0.53

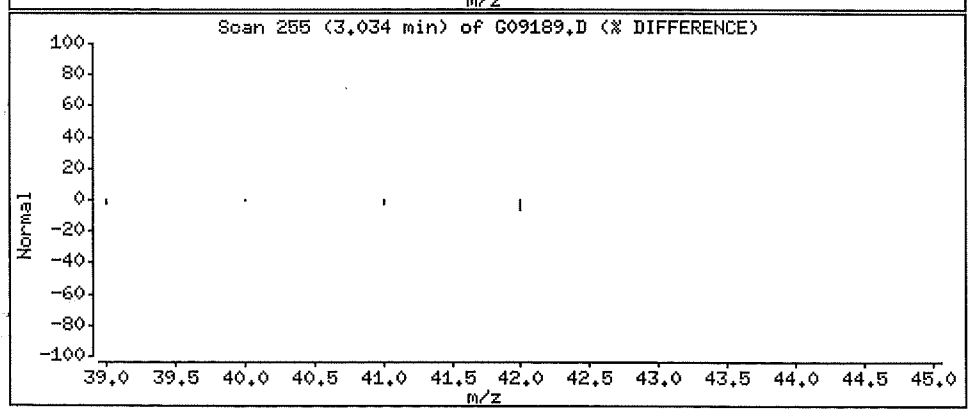
10 Acetone

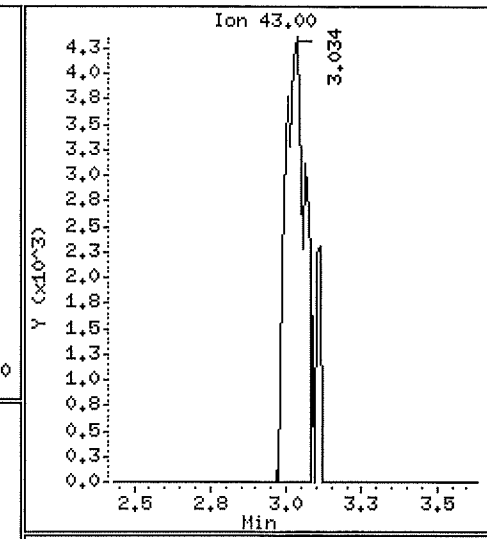
Concentration: 6.86 ug/Kg

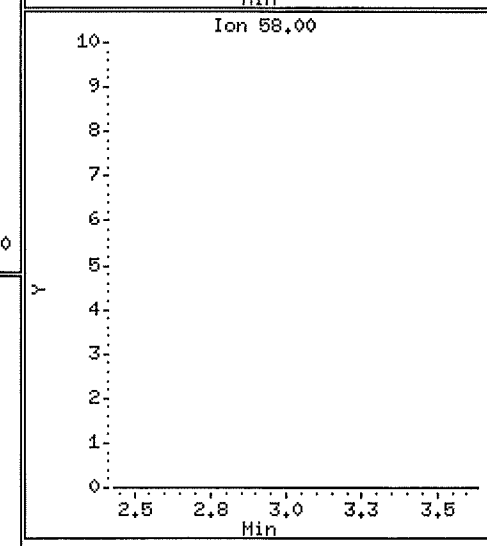












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09189.D

Date : 22-OCT-2000 13:52

Client ID: G09189

Instrument: mg.i

Sample Info: DLW6P101,,2,,0,1,0,8260BGS,M,G09189

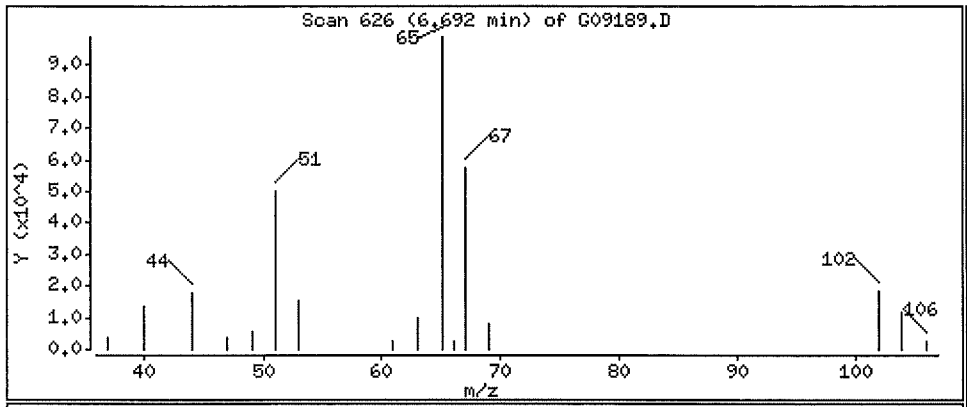
Operator: RRT

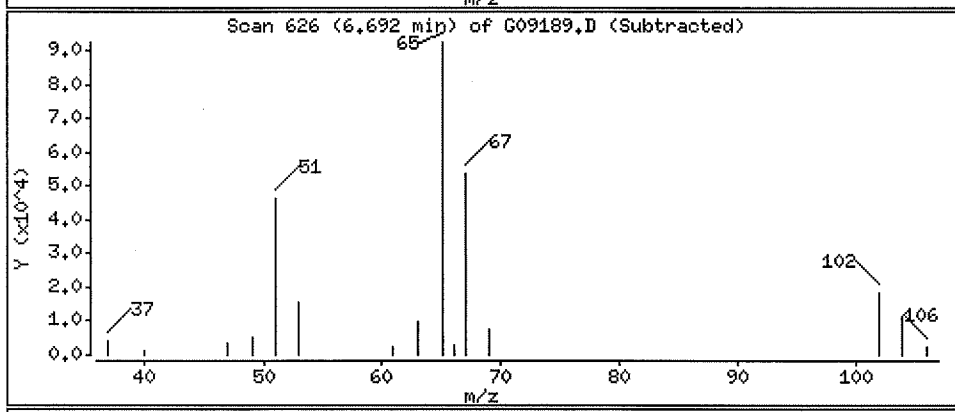
Column phase: J&W DB-624

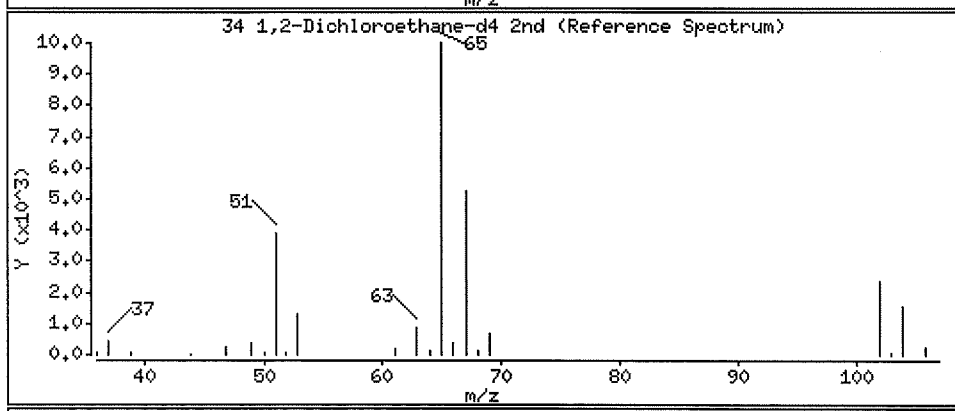
Column diameter: 0.53

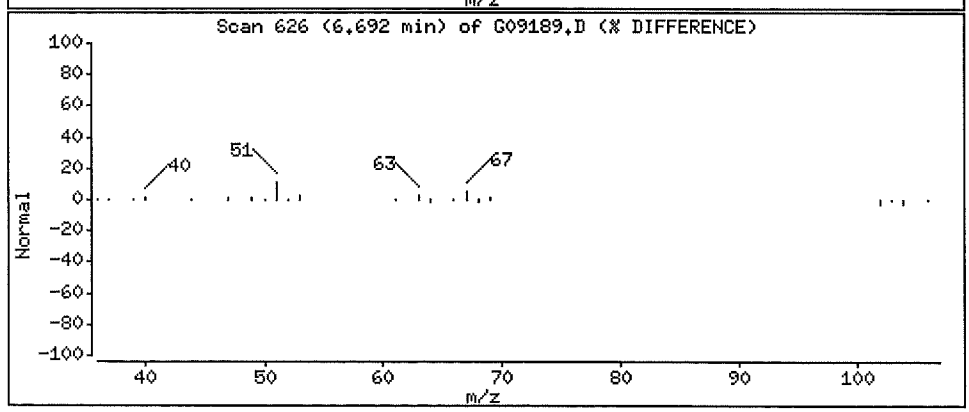
34 1,2-Dichloroethane-d4 2nd

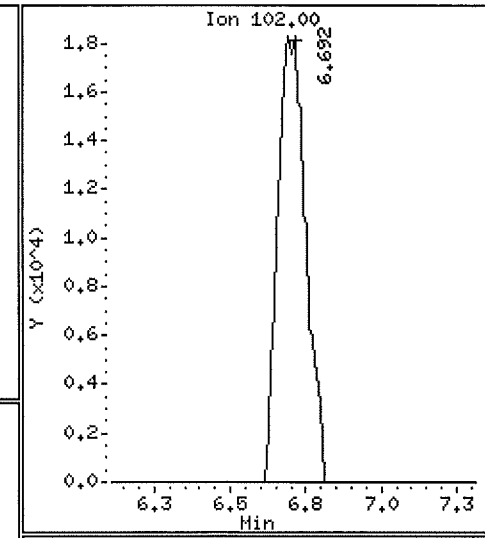
Concentration: 54.23 ug/Kg

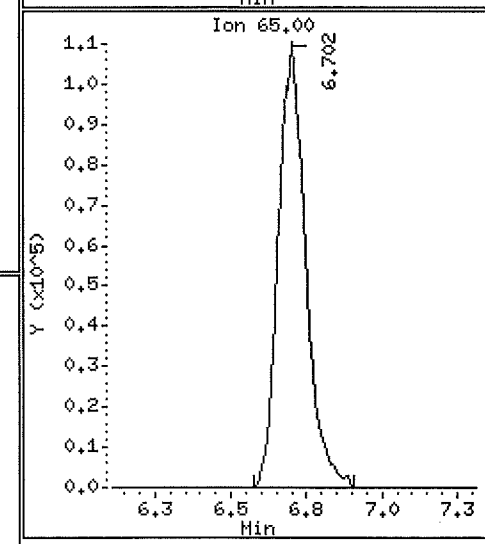












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09189.D

Date : 22-OCT-2000 13:52

Client ID: G09189

Instrument: mg.i

Sample Info: DLW6P101,,2,,0,1,0,8260BGS.M,G09189

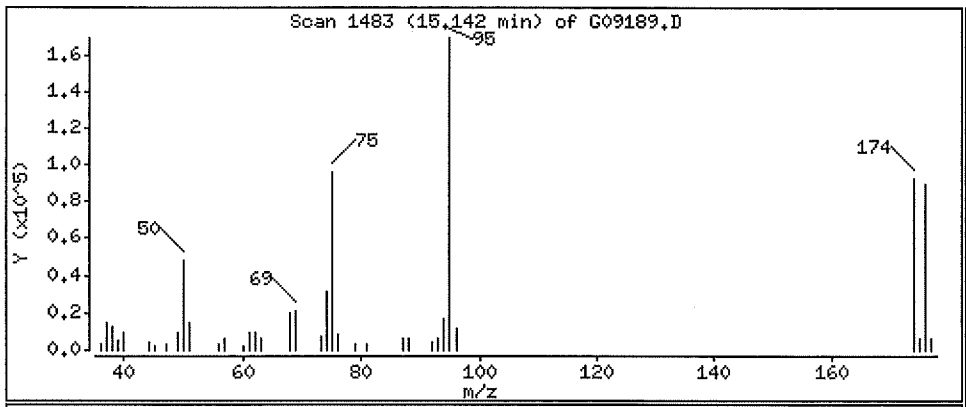
Operator: RRT

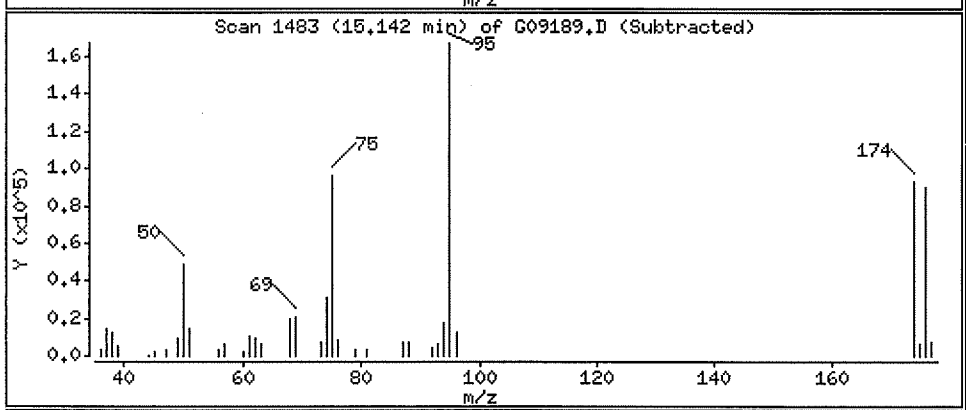
Column phase: J&W DB-624

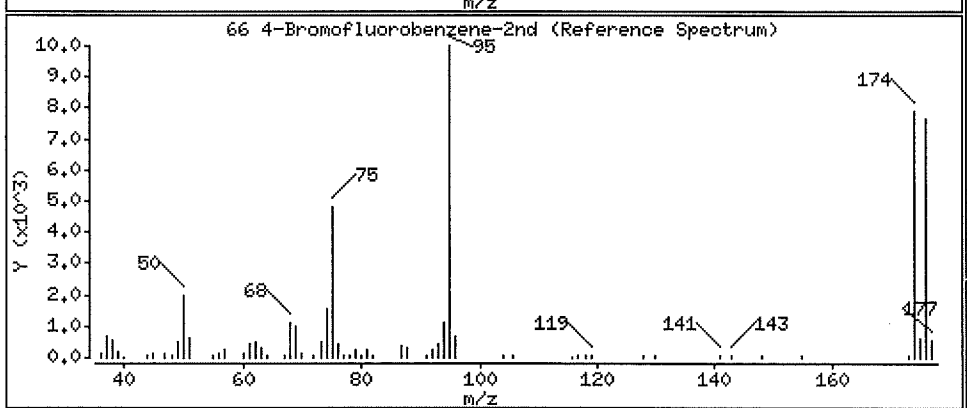
Column diameter: 0.53

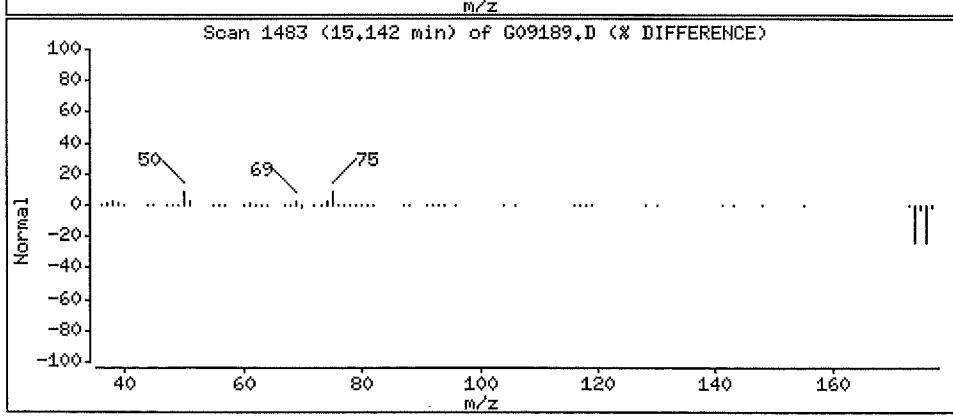
66 4-Bromofluorobenzene-2nd

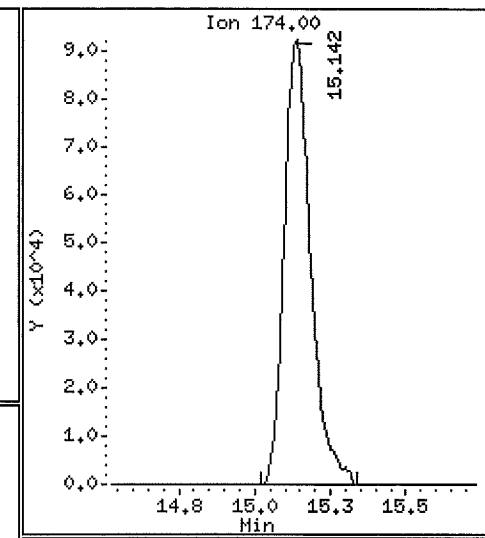
Concentration: 47.59 ug/Kg

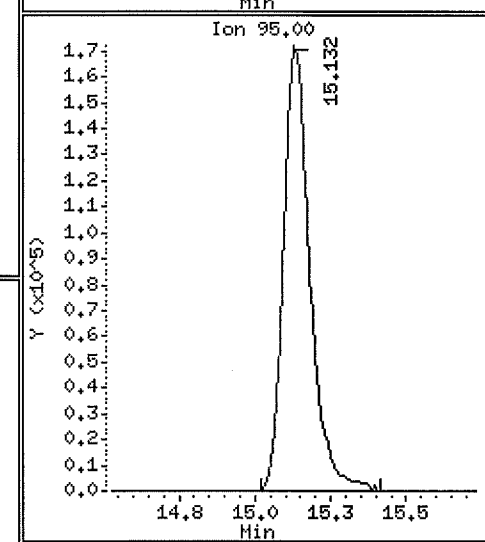


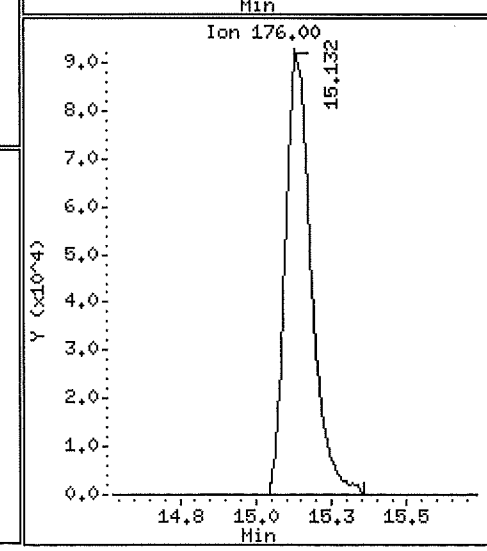












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09189.D

Date : 22-OCT-2000 13:52

Client ID: G09189

Instrument: mg.i

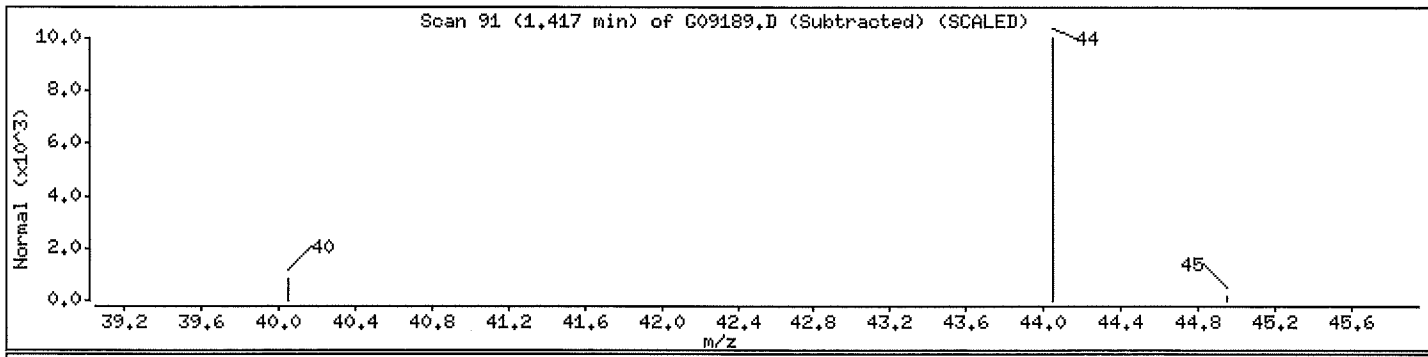
Sample Info: DLW6P101,,2,,0,1,0,8260BGS.M,G09189

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09190.D
Lab Smp Id: DLW6T101 Client Smp ID: G09190
Inj Date : 22-OCT-2000 14:27
Operator : RRT Inst ID: mg.i
Smp Info : DLW6T101,,2,,0,1,0,8260BGS.M,G09190
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
10 Acetone	43	3.025	3.035	(0.415)	28355	10.8605	10.86	
$ 29 Dibromofluoromethane	111	6.190	6.180	(0.850)	812688	52.2833	52.28	
$ 33 1,2-Dichloroethane-d4	65	6.723	6.703	(0.923)	655918	53.1927	53.19	
34 1,2-Dichloroethane-d4 2nd	102	6.723	6.713	(0.923)	112845	58.0924	58.09	
* 38 Fluorobenzene	96	7.285	7.265	(1.000)	1349608	50.0000		
$ 47 Toluene-d8	98	10.114	10.104	(0.790)	1312794	50.6988	50.70	
* 56 Chlorobenzene-d5	117	12.806	12.806	(1.000)	1048833	50.0000		
$ 67 4-Bromofluorobenzene	95	15.142	15.123	(0.867)	1014946	51.1281	51.13	
66 4-Bromofluorobenzene-2nd	174	15.133	15.132	(0.867)	547709	48.5215	48.52	
* 79 1,4-Dichlorobenzene-d4	152	17.459	17.439	(1.000)	605925	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09190.D
Lab Smp Id: DLW6T101 Client Smp ID: G09190
Inj Date : 22-OCT-2000 14:27
Operator : RRT Inst ID: mg.i
Smp Info : DLW6T101,,2,,0,1,0,8260BGS.M,G09190
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.285	3389119	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.418	1114930	16.4486727	16.45	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW6T101
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09190
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.418	16.45	J

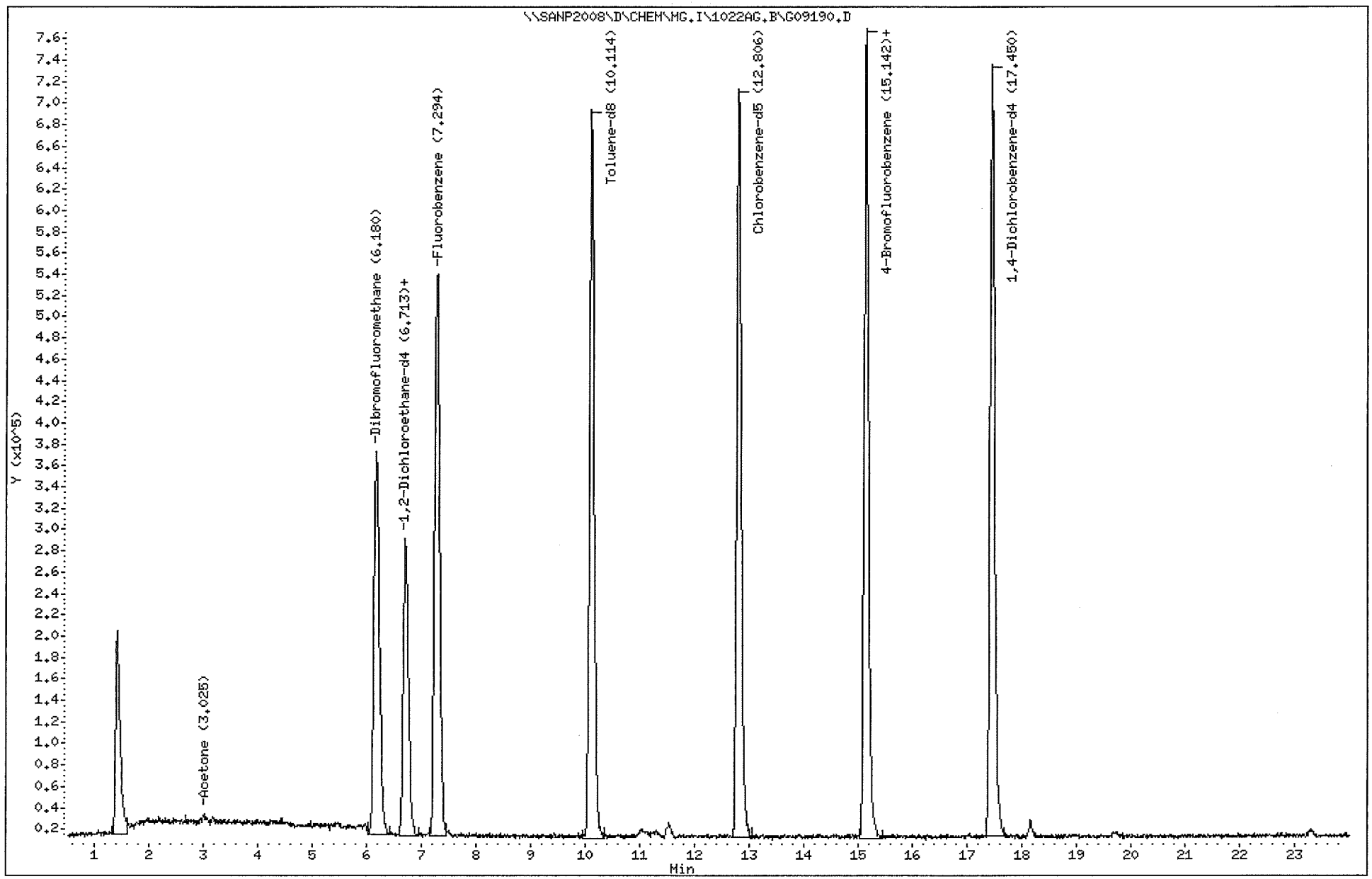
Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09190.D
Date : 22-OCT-2000 14:27
Client ID: G09190
Sample Info: DLW6T101,,2,,0,1,0,8260BGS.M,G09190

Instrument: mg.i

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



000665

BOE-C6-0158198

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09190.D

Date : 22-OCT-2000 14:27

Client ID: G09190

Instrument: mg.i

Sample Info: DLW6T101,,2,,0,1,0,8260BGS.M,G09190

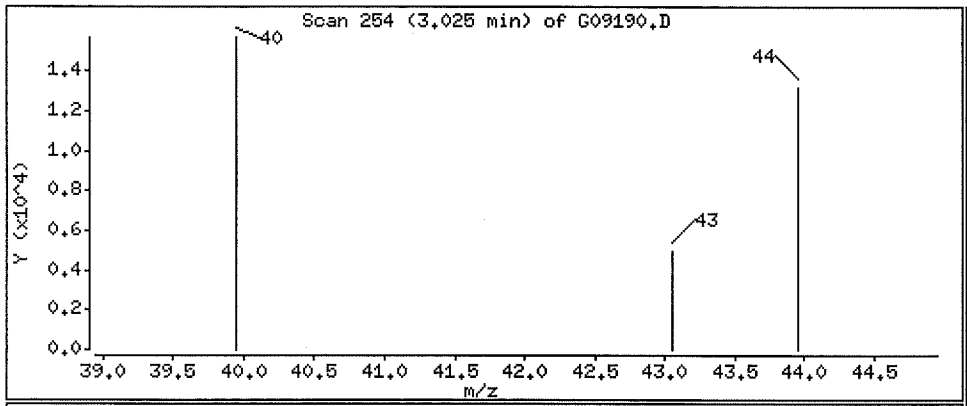
Operator: RRT

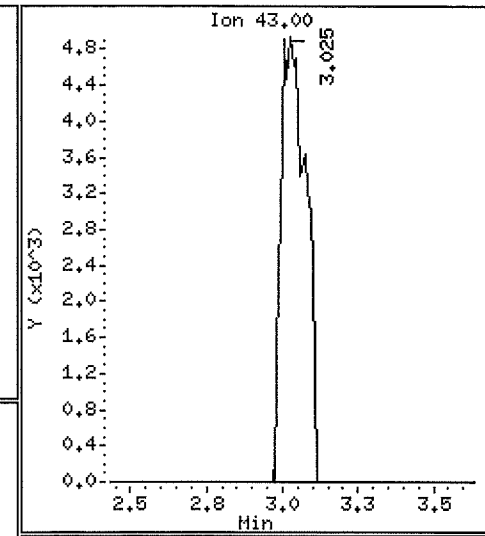
Column phase: J&W DB-624

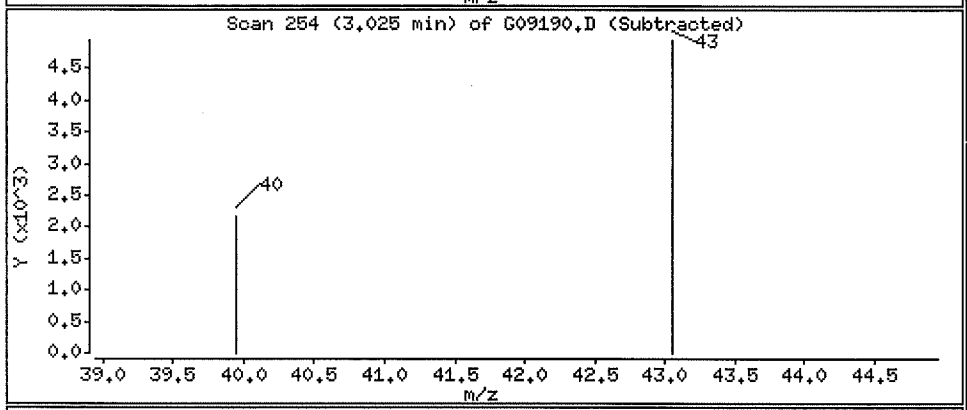
Column diameter: 0.53

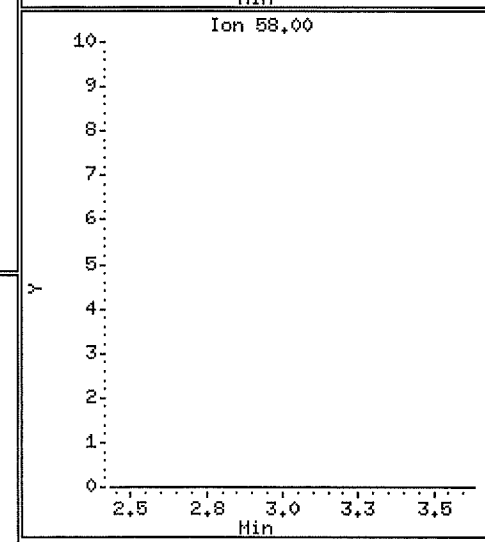
10 Acetone

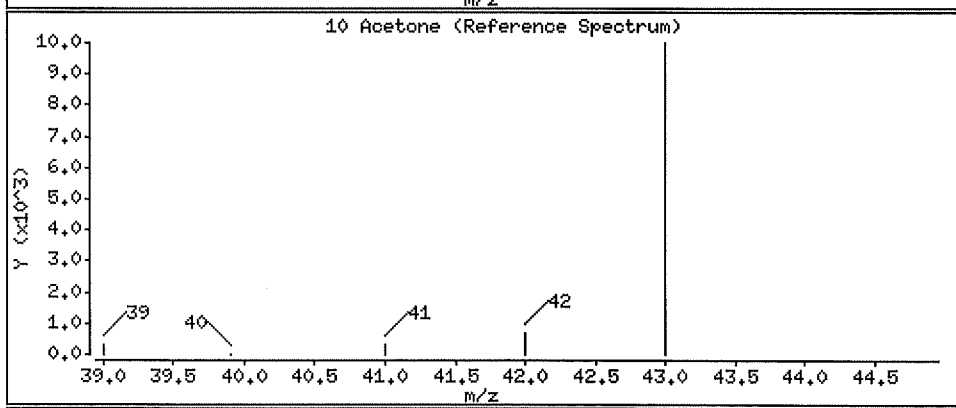
Concentration: 10.86 ug/Kg

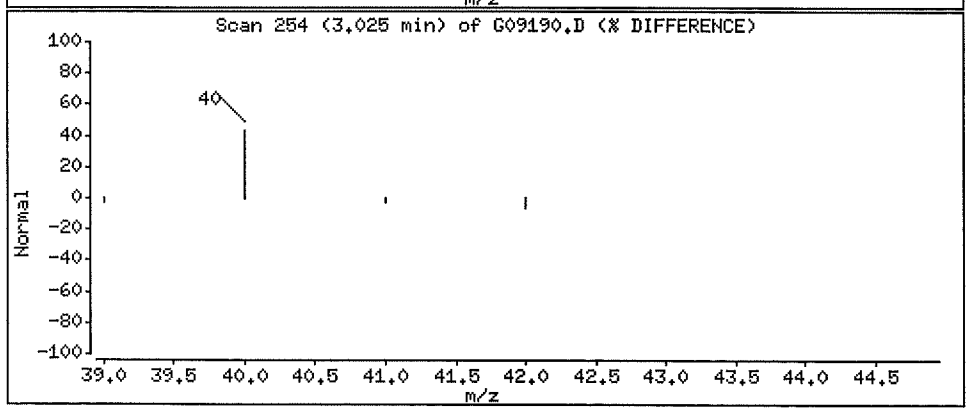












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09190.D

Date : 22-OCT-2000 14:27

Client ID: G09190

Instrument: mg.i

Sample Info: DLW6T101,,2,,0,1,0,8260BGS.M,G09190

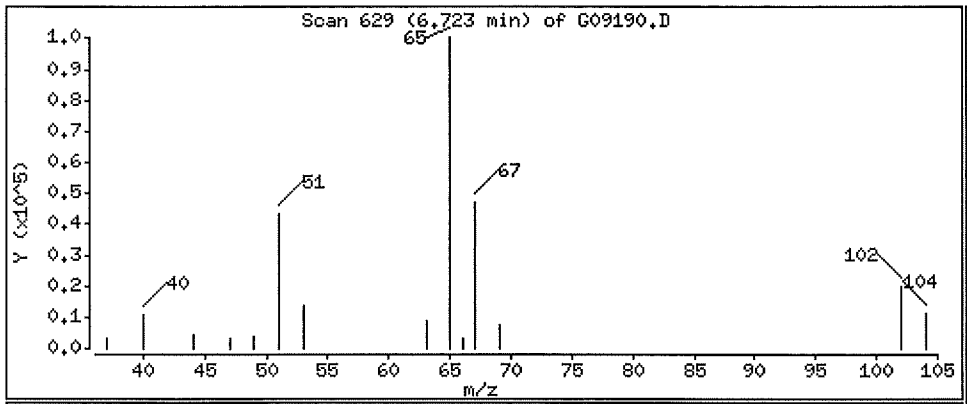
Operator: RRT

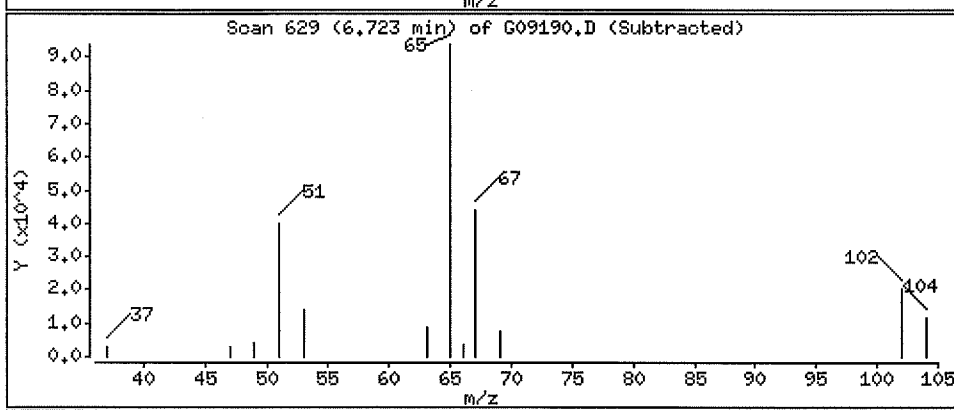
Column phase: J&W DB-624

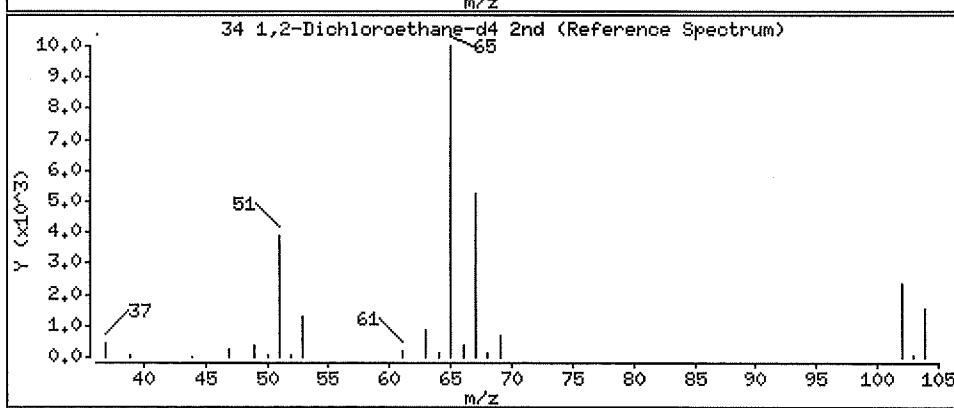
Column diameter: 0.53

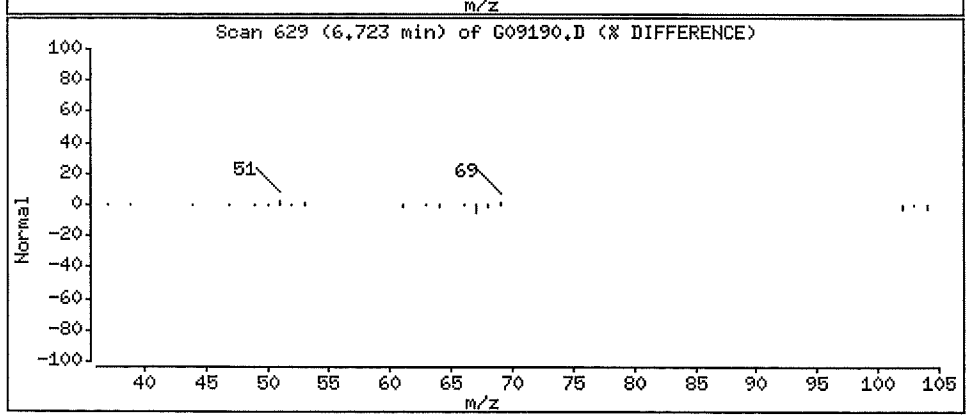
34 1,2-Dichloroethane-d4 2nd

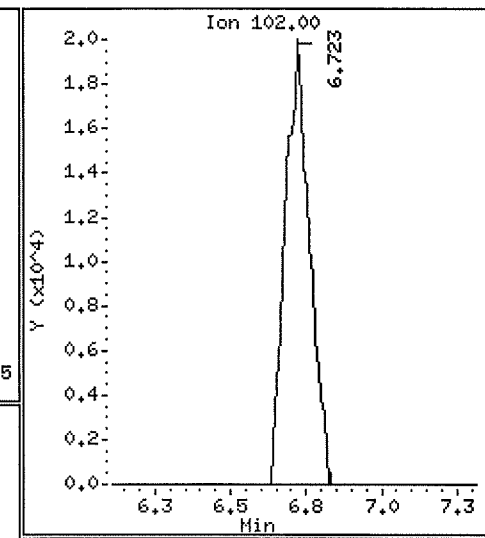
Concentration: 58.09 ug/Kg

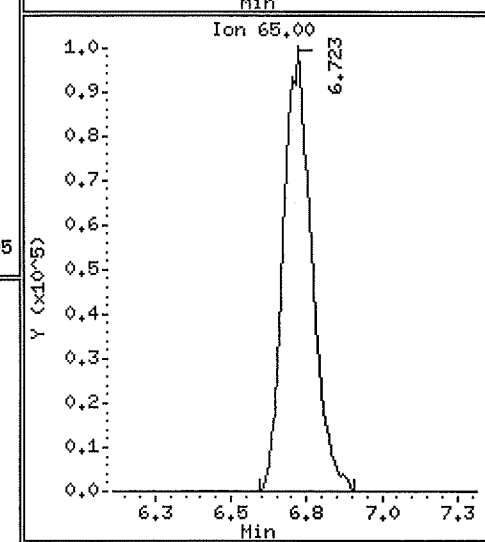












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09190.D

Date : 22-OCT-2000 14:27

Client ID: G09190

Instrument: mg.i

Sample Info: DLW6T101,,2,,0,1,0,8260BGS.M,G09190

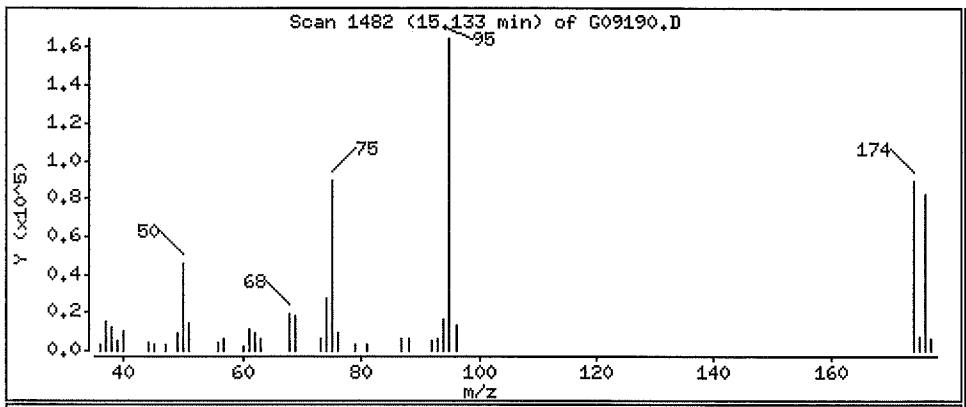
Operator: RRT

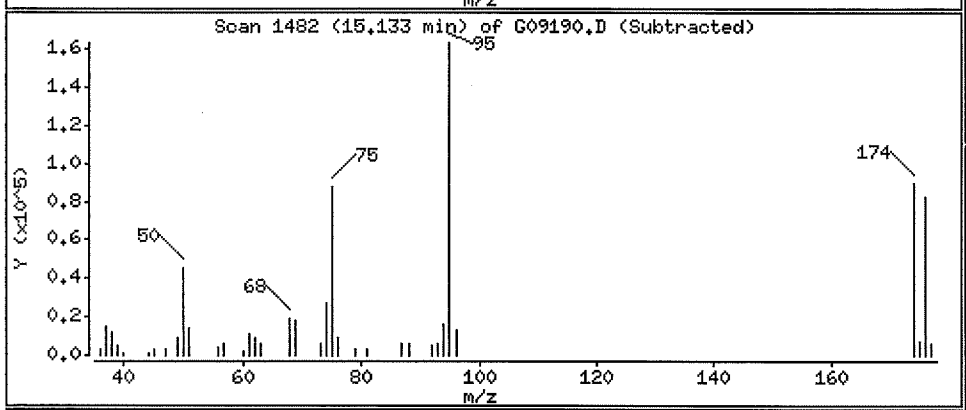
Column phase: J&W DB-624

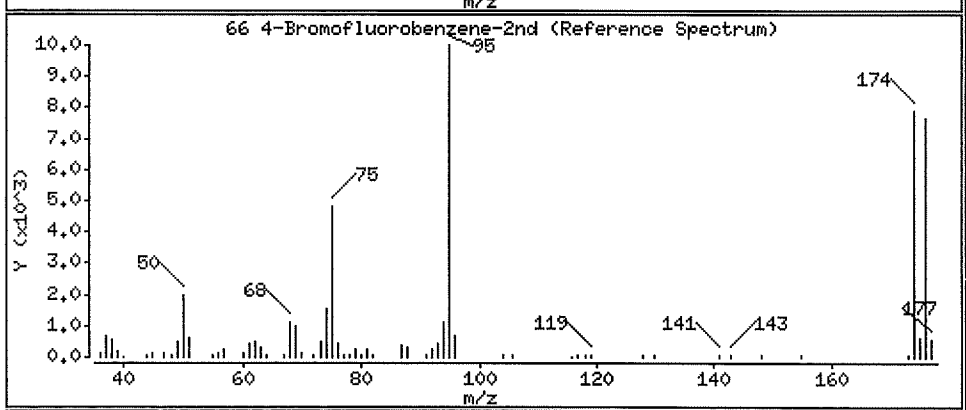
Column diameter: 0.53

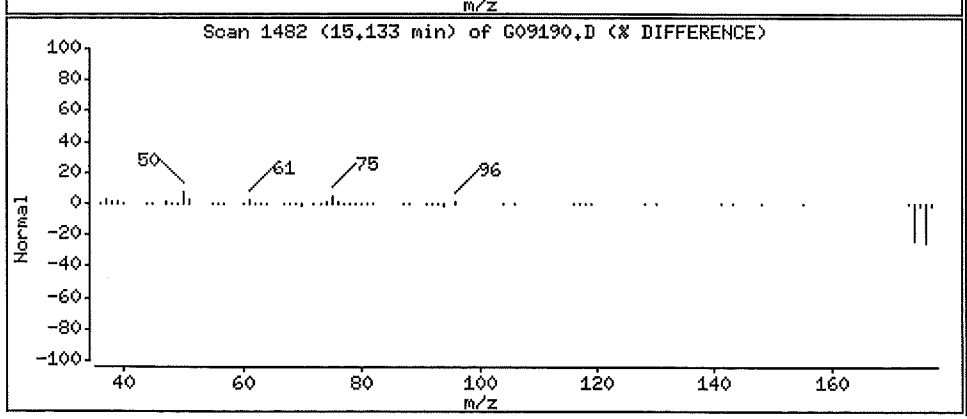
66 4-Bromofluorobenzene-2nd

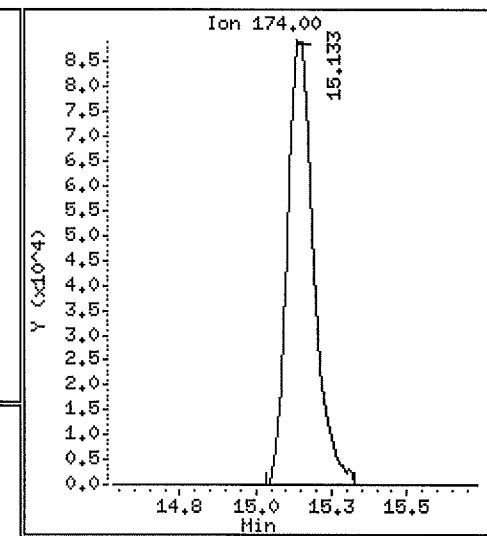
Concentration: 48.52 ug/Kg

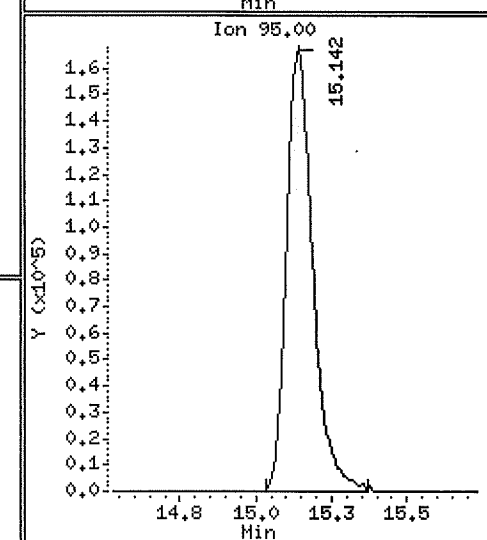


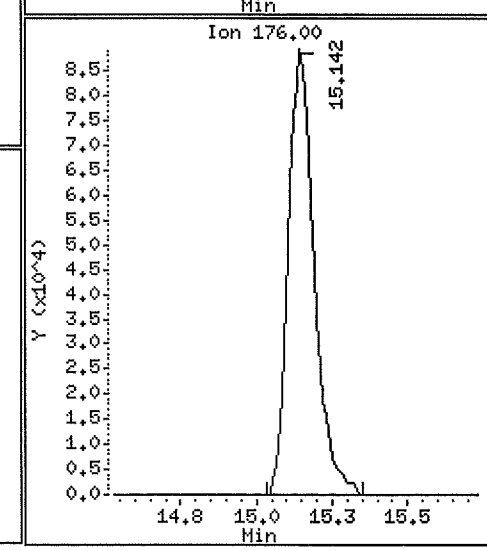












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09190.D

Date : 22-OCT-2000 14:27

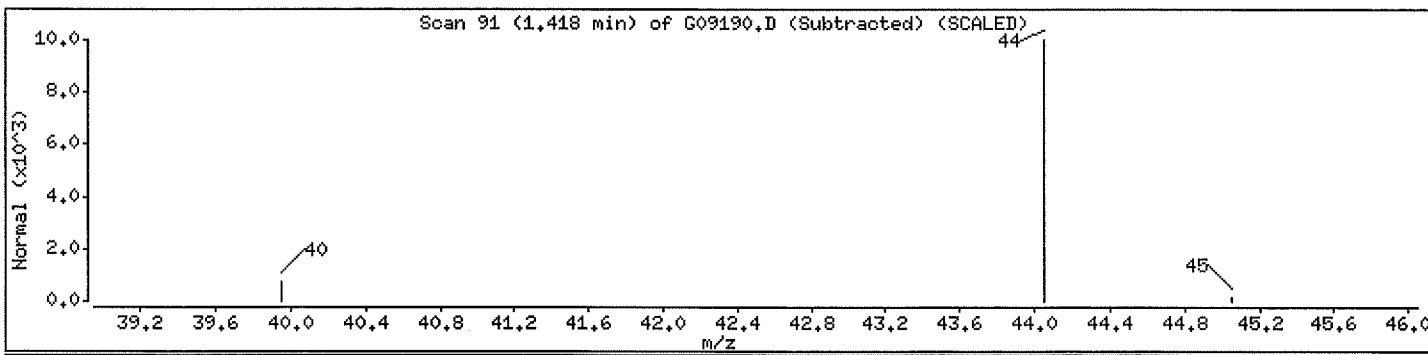
Client ID: G09190 Instrument: mg.i

Sample Info: DLW6T101,,2,,0,1,0,8260BGS.M,G09190

Operator: RRT

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09191.D
Lab Smp Id: DLW6V101 Client Smp ID: G09191
Inj Date : 22-OCT-2000 15:01
Operator : RRT Inst ID: mg.i
Smp Info : DLW6V101,,2,,0,1,0,8260BGS.M,G09191
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
10 Acetone	43	3.039	3.035	(0.418)	19312	7.85238	7.85	
$ 29 Dibromofluoromethane	111	6.185	6.180	(0.850)	726063	49.5874	49.59	
$ 33 1,2-Dichloroethane-d4	65	6.707	6.703	(0.921)	623756	53.7002	53.70	
34 1,2-Dichloroethane-d4 2nd	102	6.707	6.713	(0.921)	109733	59.9695	59.97	
* 38 Fluorobenzene	96	7.279	7.265	(1.000)	1271302	50.0000		
$ 47 Toluene-d8	98	10.109	10.104	(0.789)	1228188	49.1940	49.19	
* 56 Chlorobenzene-d5	117	12.810	12.806	(1.000)	1011254	50.0000		
$ 67 4-Bromofluorobenzene	95	15.147	15.123	(0.868)	957940	51.7422	51.74	
66 4-Bromofluorobenzene-2nd	174	15.137	15.132	(0.867)	531197	50.4580	50.46	
* 79 1,4-Dichlorobenzene-d4	152	17.454	17.439	(1.000)	565105	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09191.D
Lab Smp Id: DLW6V101 Client Smp ID: G09191
Inj Date : 22-OCT-2000 15:01
Operator : RRT Inst ID: mg.i
Smp Info : DLW6V101,,2,,0,1,0,8260BGS.M,G09191
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.279	3219459	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.423	1085390	16.8567045	16.86	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW6V101
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09191
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ NO	1.423	16.86	J

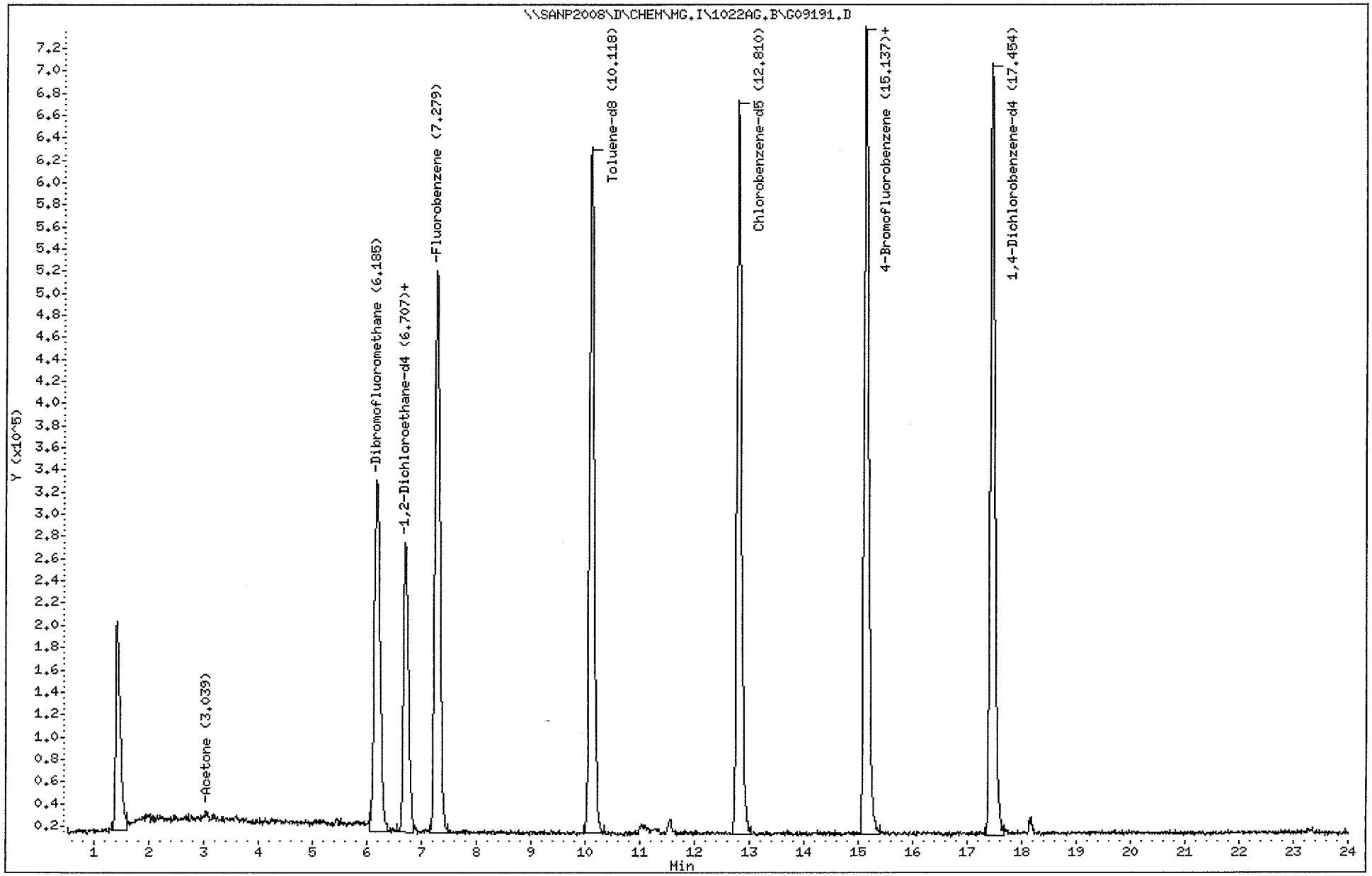
Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09191.D
Date : 22-OCT-2000 15:01
Client ID: G09191
Sample Info: DLW6V101,,2,,0,1,0,8260BGS.M,G09191

Instrument: mg.i

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



000674

BOE-C6-0158207

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09191.D

Date : 22-OCT-2000 15:01

Client ID: G09191

Instrument: mg.i

Sample Info: DLW6V101,,2,,0,1,0,8260BGS,M,G09191

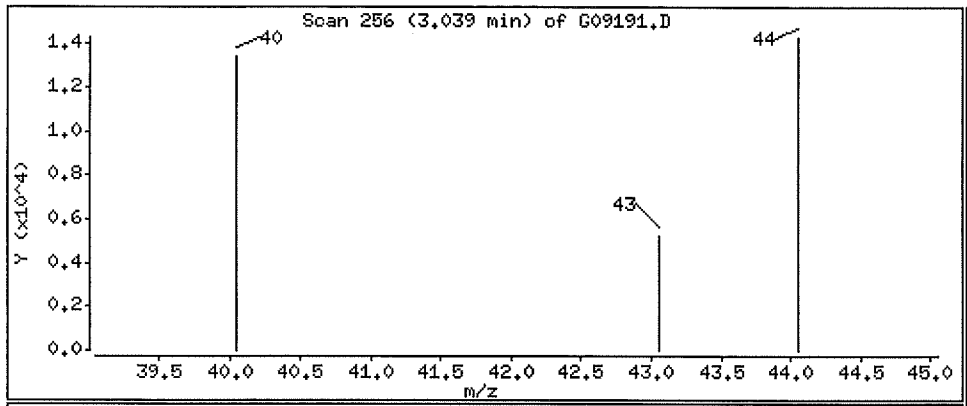
Operator: RRT

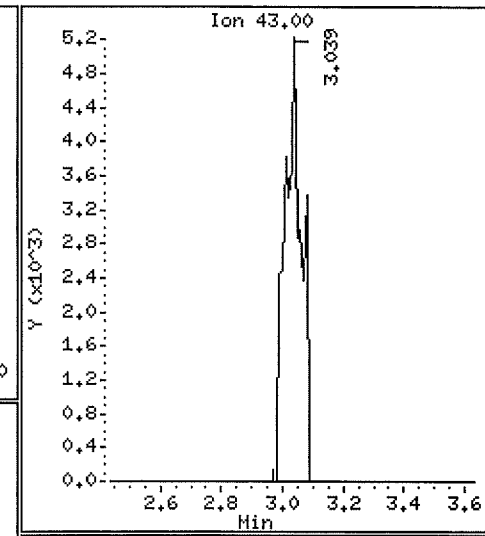
Column phase: J&W DB-624

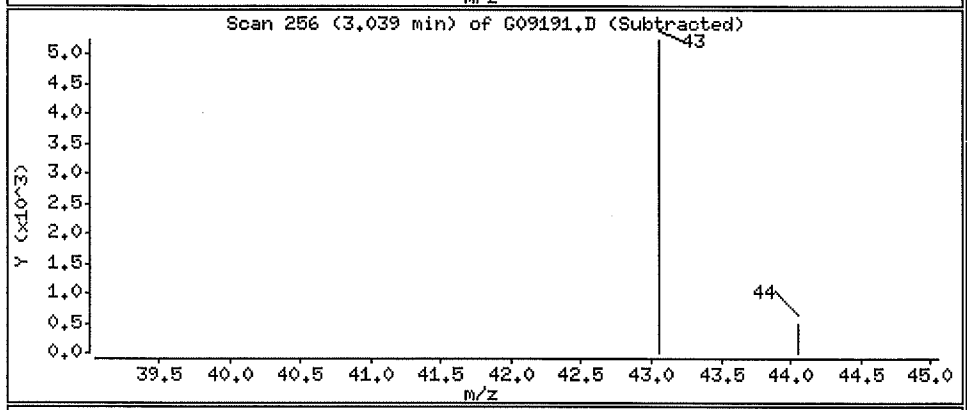
Column diameter: 0.53

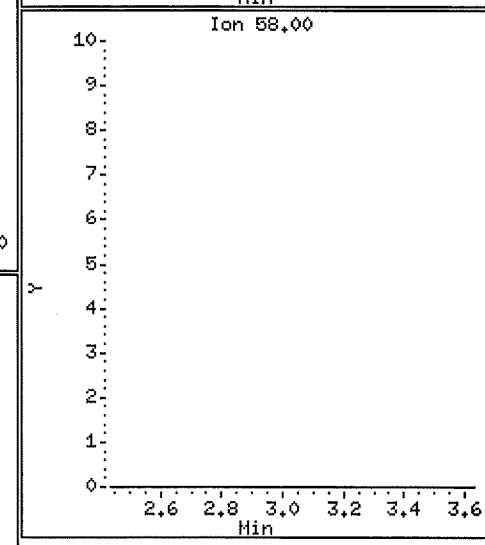
10 Acetone

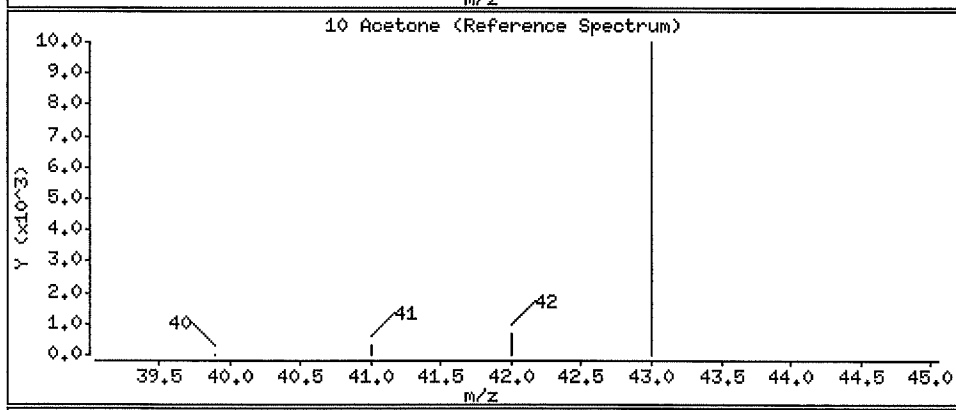
Concentration: 7.85 ug/Kg

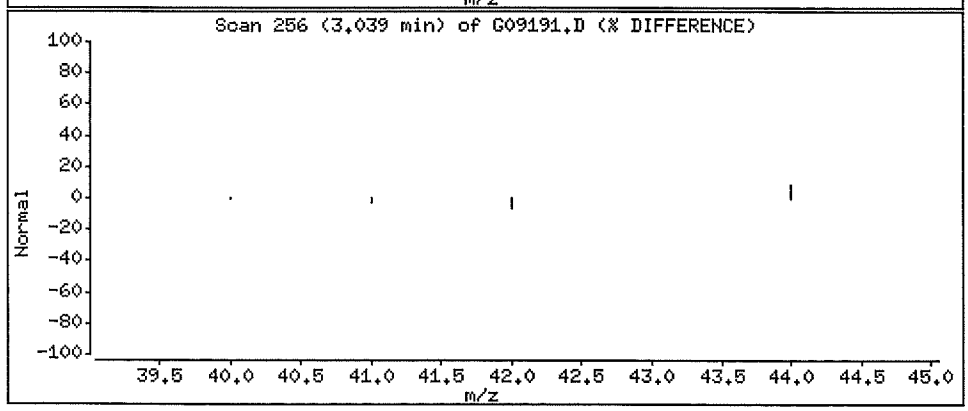












f

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09191.D

Date : 22-OCT-2000 15:01

Client ID: G09191

Instrument: mg.i

Sample Info: DLW6V101,,2,,0,1,0,8260BGS.M,G09191

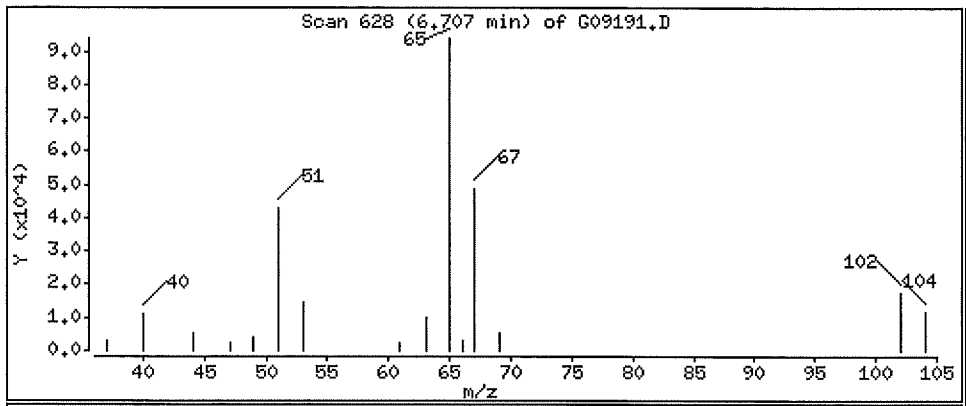
Operator: RRT

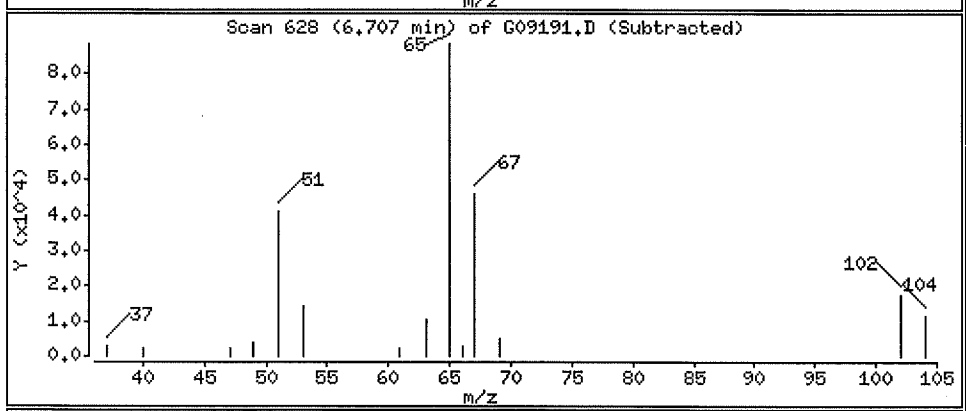
Column phase: J&W DB-624

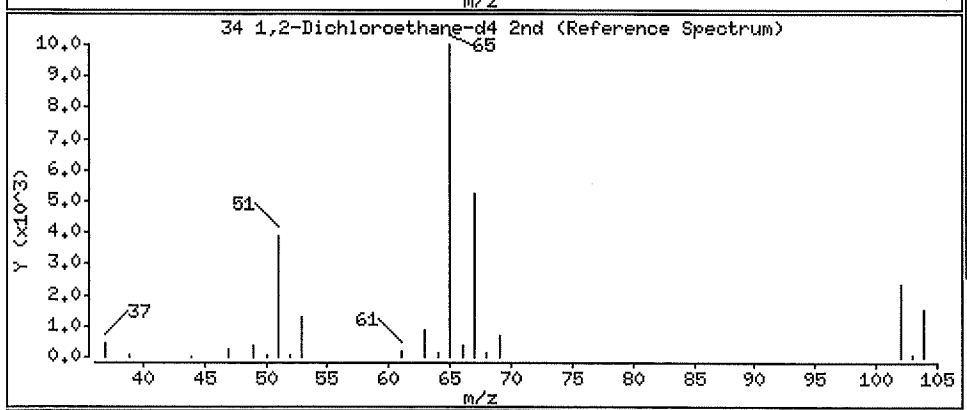
Column diameter: 0.53

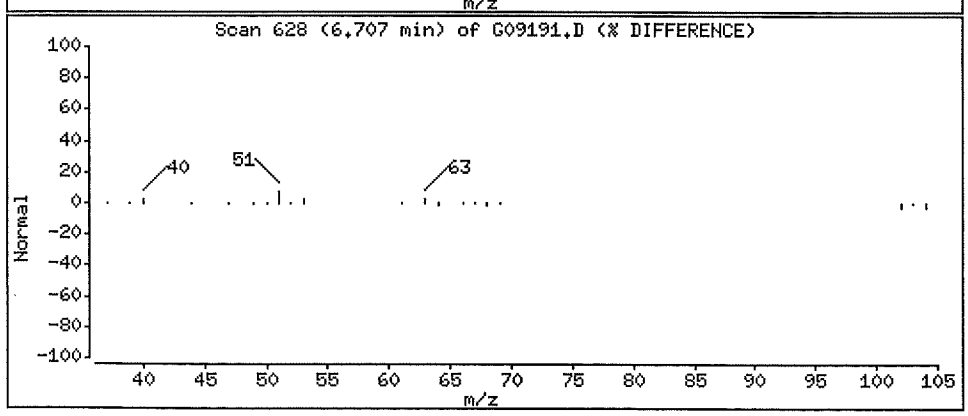
34 1,2-Dichloroethane-d4 2nd

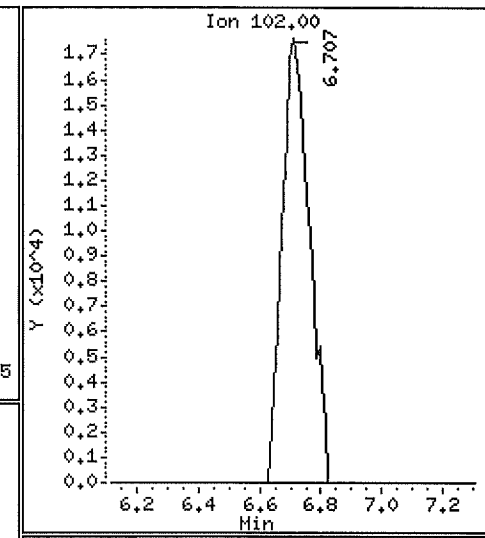
Concentration: 59.97 ug/Kg

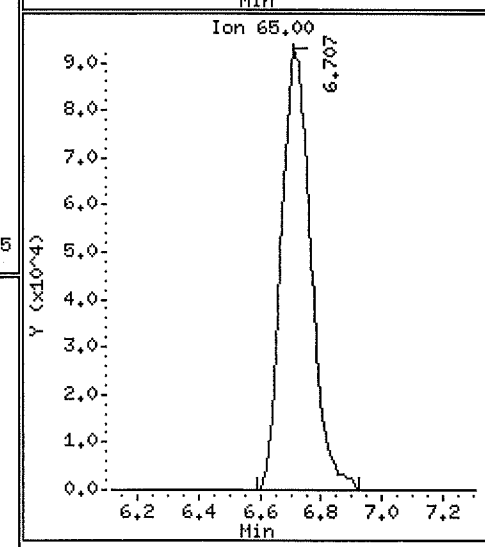












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09191.D

Date : 22-OCT-2000 15:01

Client ID: G09191

Instrument: mg.i

Sample Info: DLW6V101,,2,,0,1,0,8260BGS.M,G09191

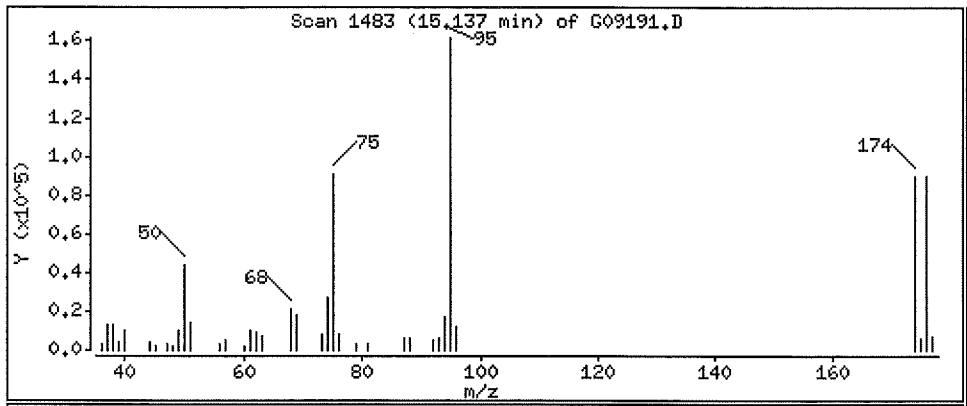
Operator: RRT

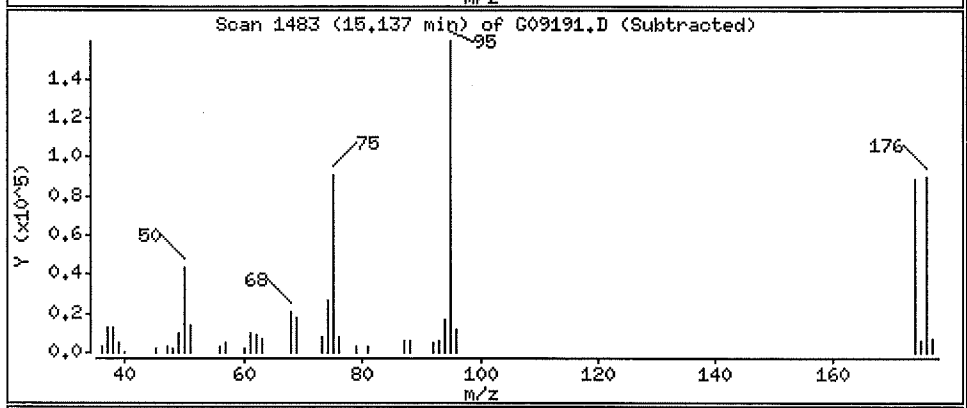
Column phase: J&W DB-624

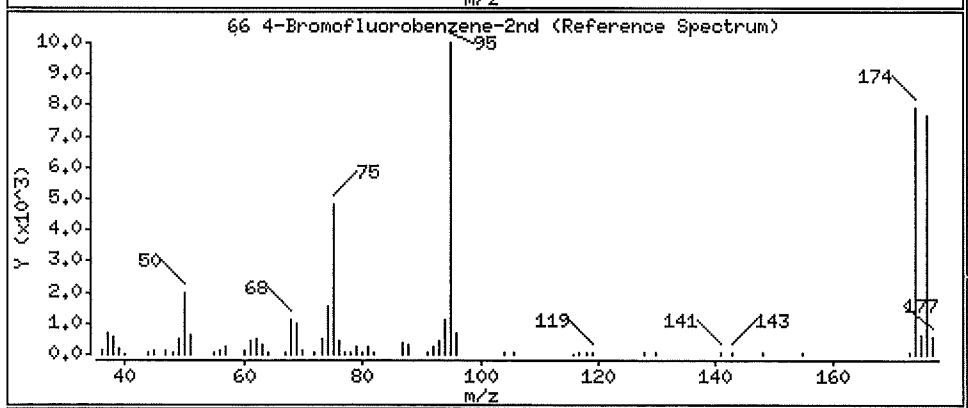
Column diameter: 0.53

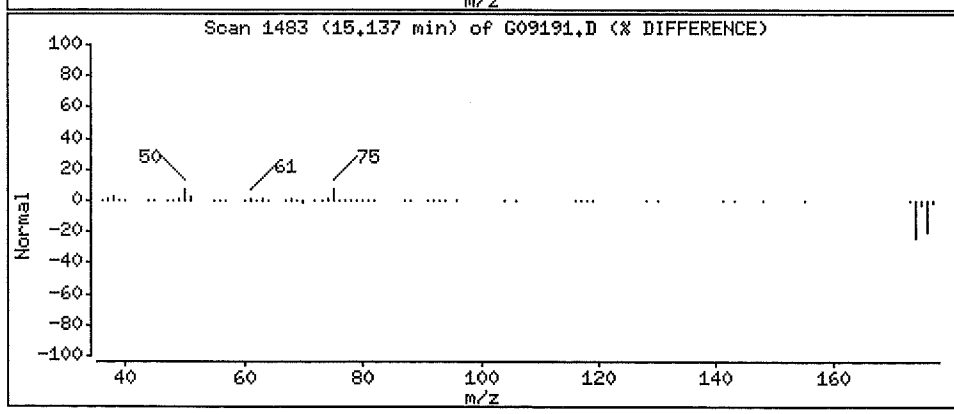
66 4-Bromofluorobenzene-2nd

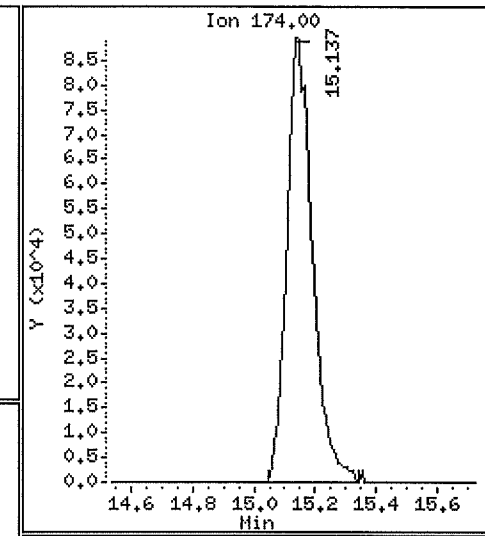
Concentration: 50.46 ug/Kg

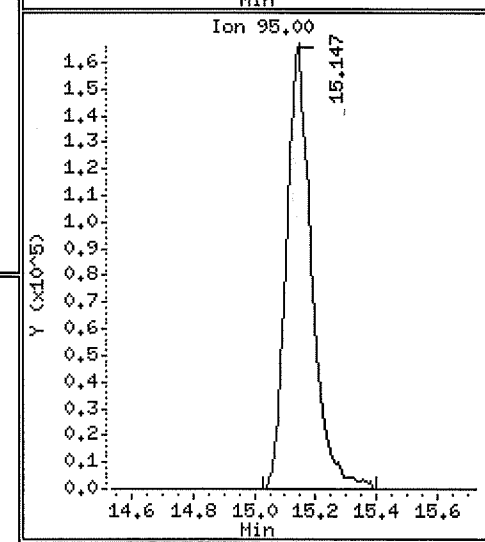


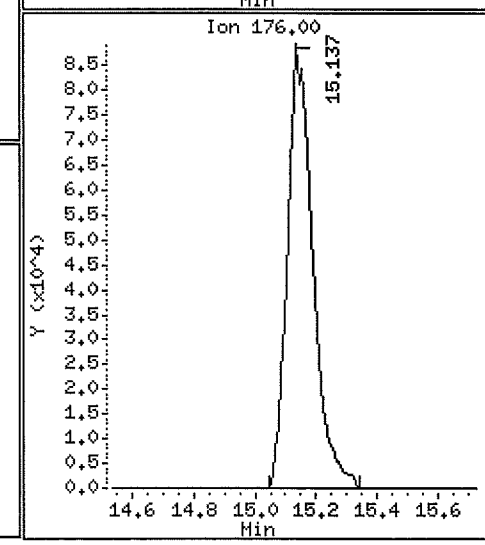












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09191.D

Date : 22-OCT-2000 15:01

Client ID: G09191

Instrument: mg.i

Sample Info: DLW6V101,,2,,0,1,0,8260BGS.M,G09191

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
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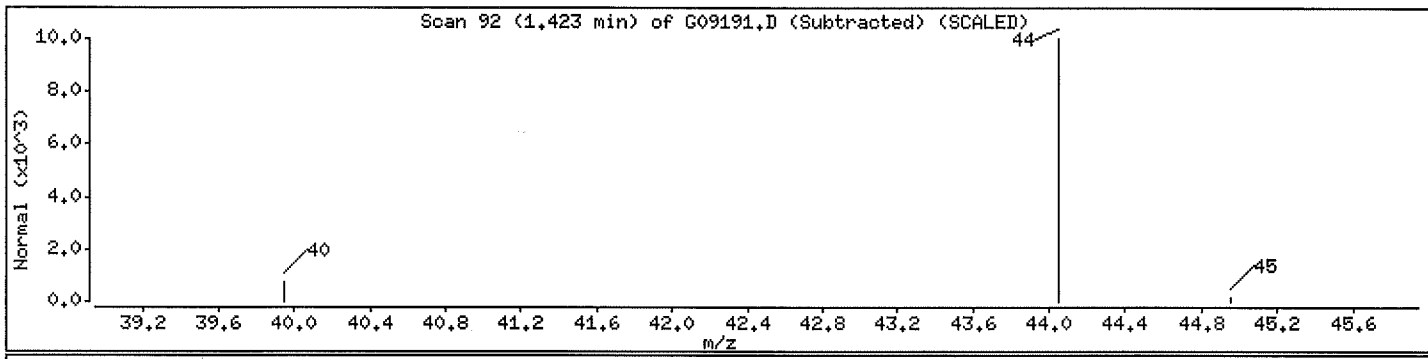


ND

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09192.D
Lab Smp Id: DLW71101 Client Smp ID: G09192
Inj Date : 22-OCT-2000 15:36
Operator : RRT Inst ID: mg.i
Smp Info : DLW71101,,2,,0,1,0,8260BGS.M,G09192
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	6.194	6.180	(0.851)	744286	49.5482	49.55
$ 33 1,2-Dichloroethane-d4	65	6.717	6.703	(0.923)	636029	53.3739	53.37
34 1,2-Dichloroethane-d4 2nd	102	6.717	6.713	(0.923)	112666	60.0174	60.02
* 38 Fluorobenzene	96	7.279	7.265	(1.000)	1304241	50.0000	
$ 47 Toluene-d8	98	10.128	10.104	(0.791)	1267011	50.6228	50.62
* 56 Chlorobenzene-d5	117	12.810	12.806	(1.000)	1013775	50.0000	
$ 67 4-Bromofluorobenzene	95	15.136	15.123	(0.867)	1018519	52.7004	52.70
66 4-Bromofluorobenzene-2nd	174	15.146	15.132	(0.868)	556396	50.6287	50.63
* 79 1,4-Dichlorobenzene-d4	152	17.453	17.439	(1.000)	589916	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09192.D
Lab Smp Id: DLW71101 Client Smp ID: G09192
Inj Date : 22-OCT-2000 15:36
Operator : RRT Inst ID: mg.i
Smp Info : DLW71101,,2,,0,1,0,8260BGS.M,G09192
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.279	3261167	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.422	1064717	16.3241664	16.32	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW71101
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09192
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ N9	1.422	16.32	J

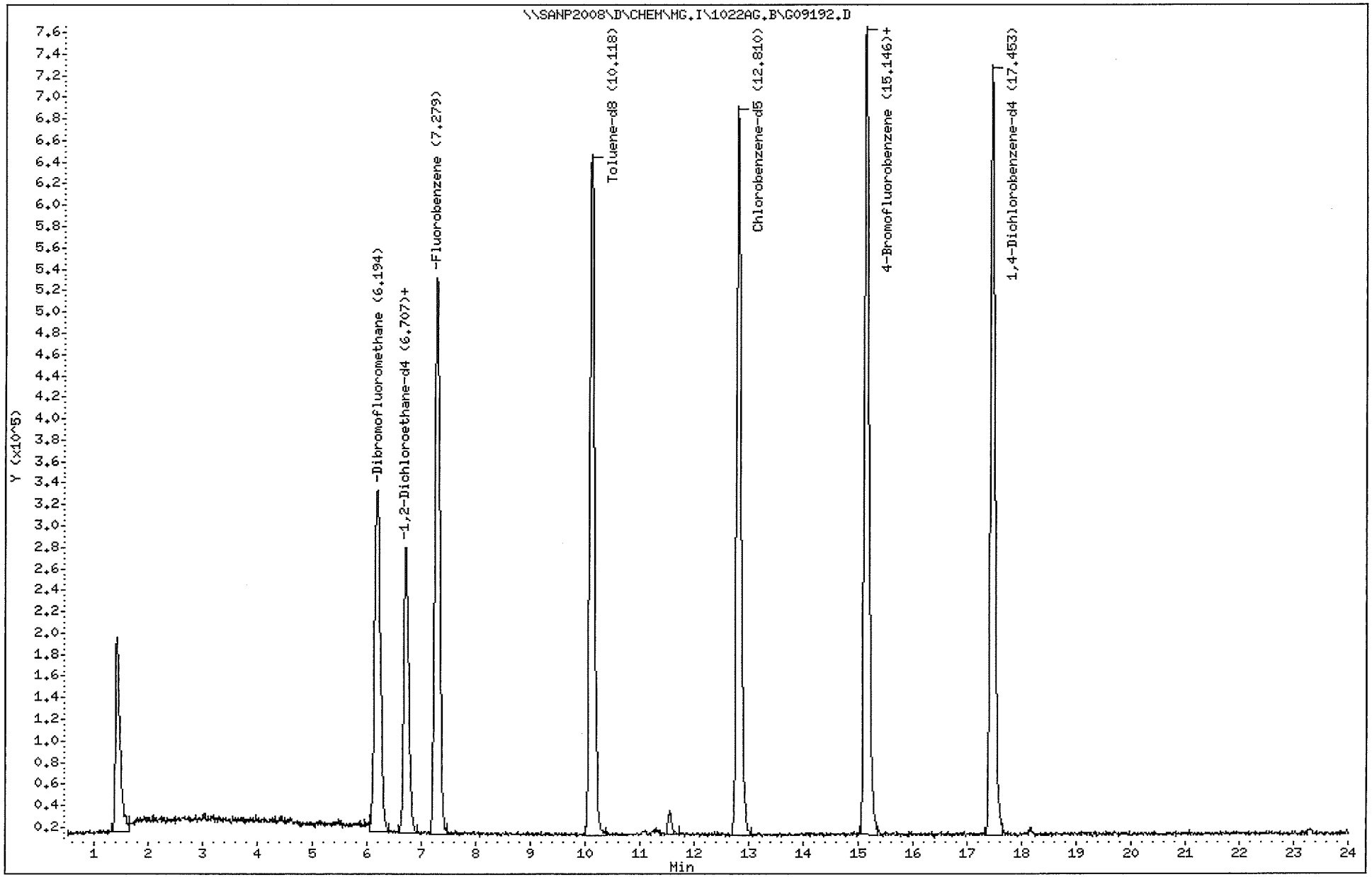
Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09192.D
Date : 22-OCT-2000 15:36
Client ID: G09192
Sample Info: DLW71101,,2,,0,1,0,8260BGS.M,G09192

Instrument: mg.i

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



000682

BOE-C6-0158215

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09192.D

Date : 22-OCT-2000 15:36

Client ID: G09192

Instrument: mg.i

Sample Info: DLW71101,,2,,0,1,0,8260BGS.M,G09192

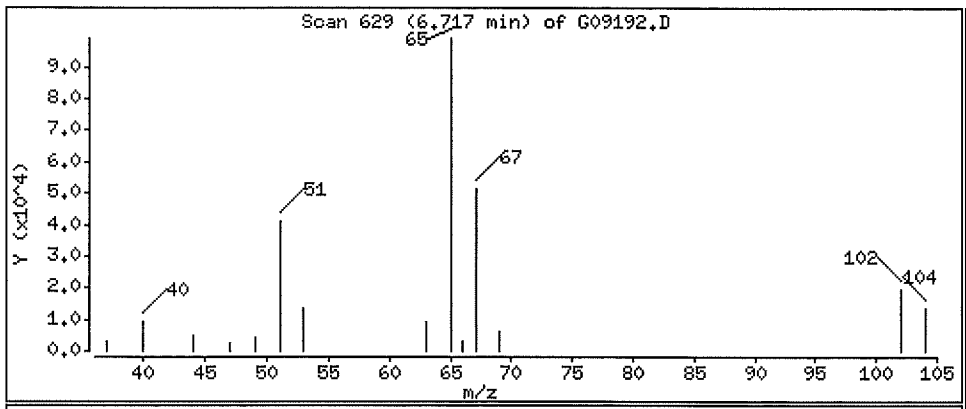
Operator: RRT

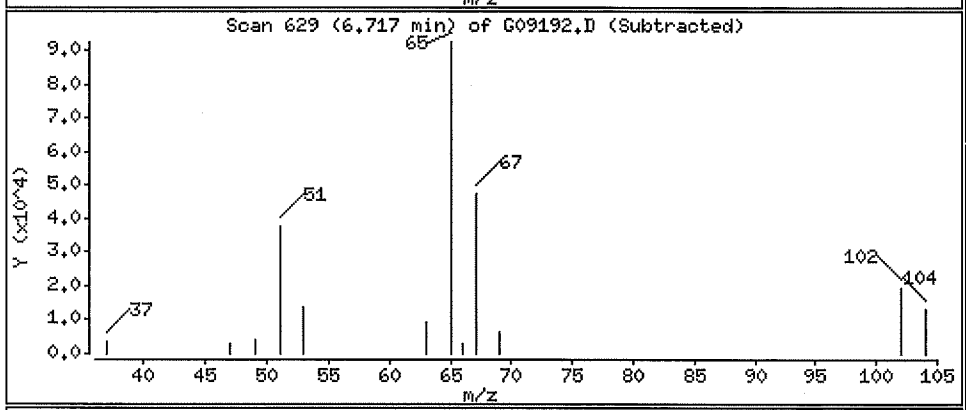
Column phase: J&W DB-624

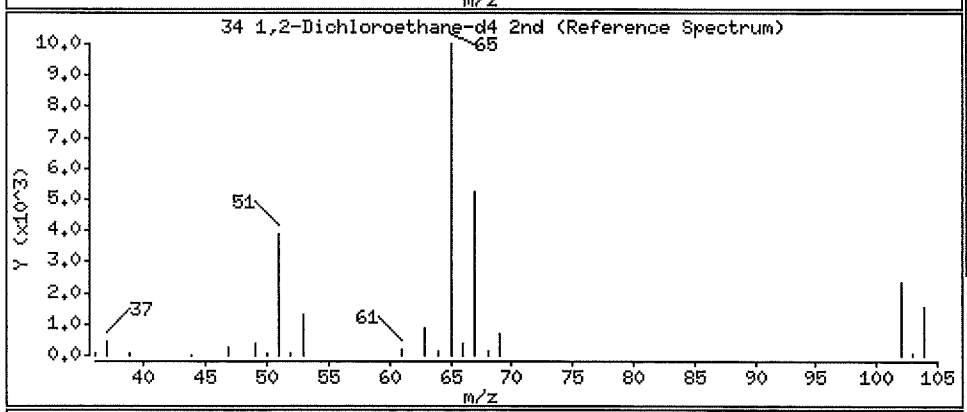
Column diameter: 0.53

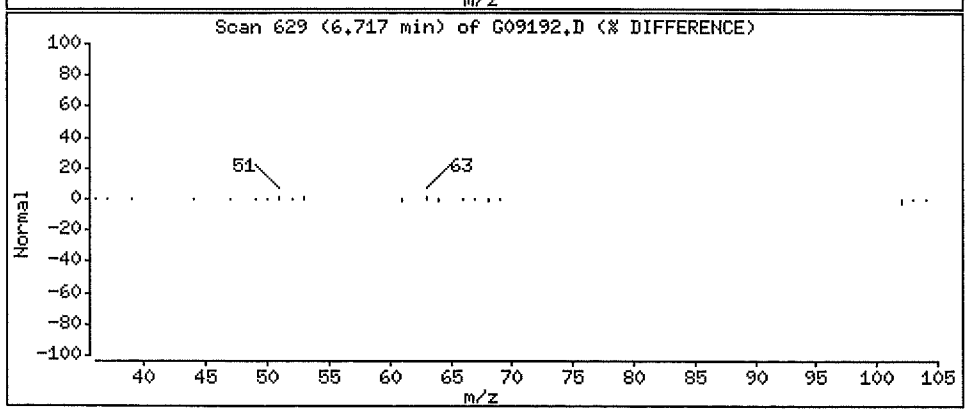
34 1,2-Dichloroethane-d4 2nd

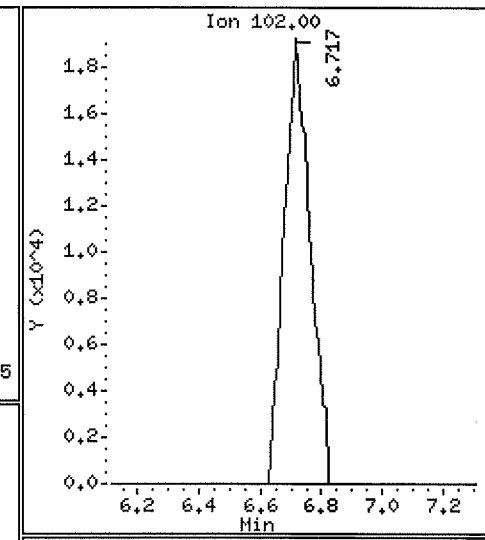
Concentration: 60.02 ug/Kg

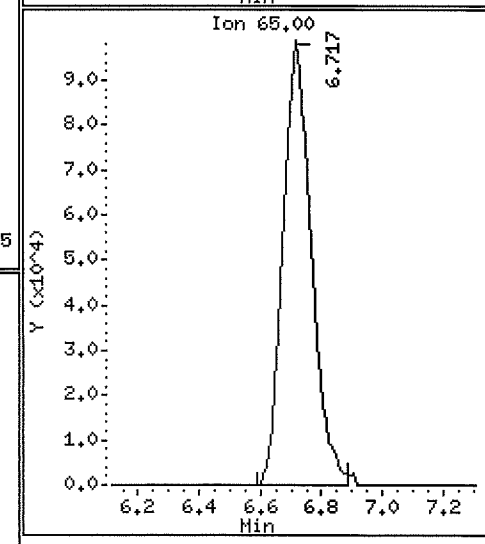












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09192.D

Date : 22-OCT-2000 15:36

Client ID: G09192

Instrument: mg.i

Sample Info: DLW71101,,2,,0,1,0,8260BGS,M,G09192

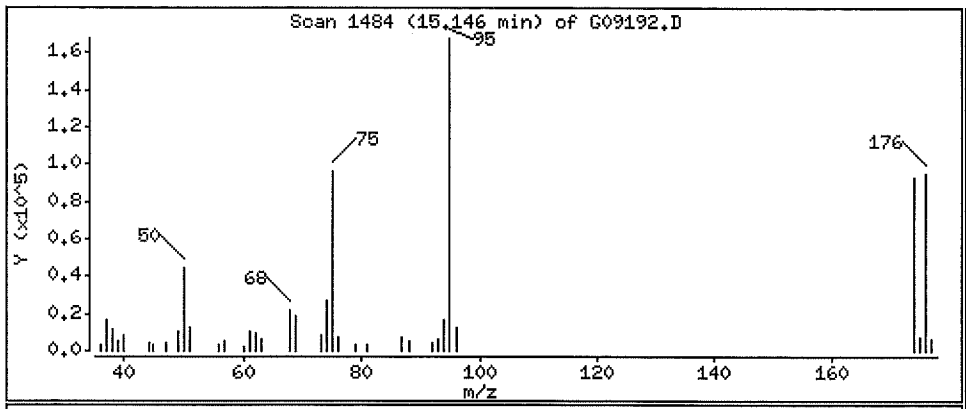
Operator: RRT

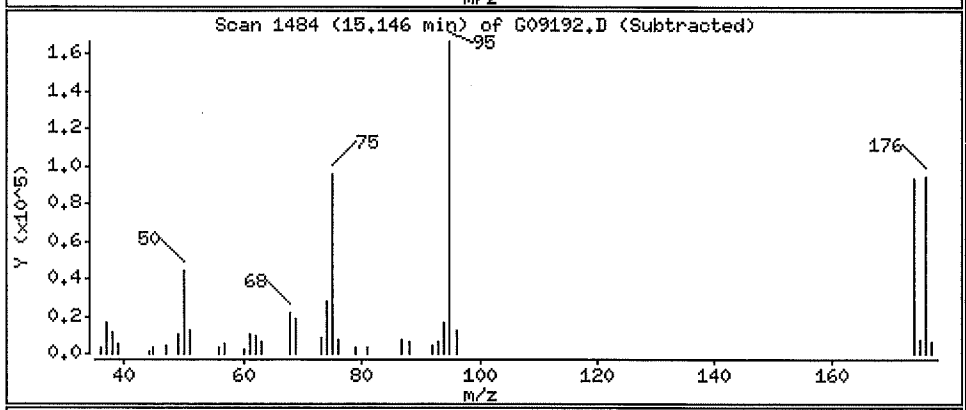
Column phase: J&W DB-624

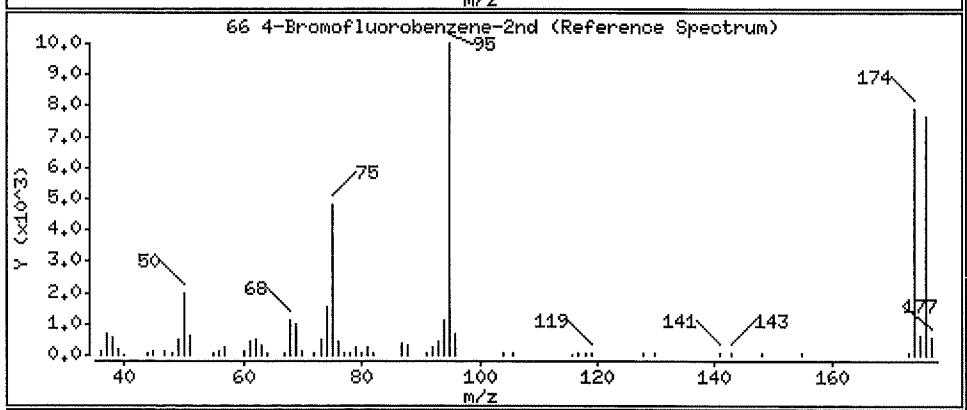
Column diameter: 0.53

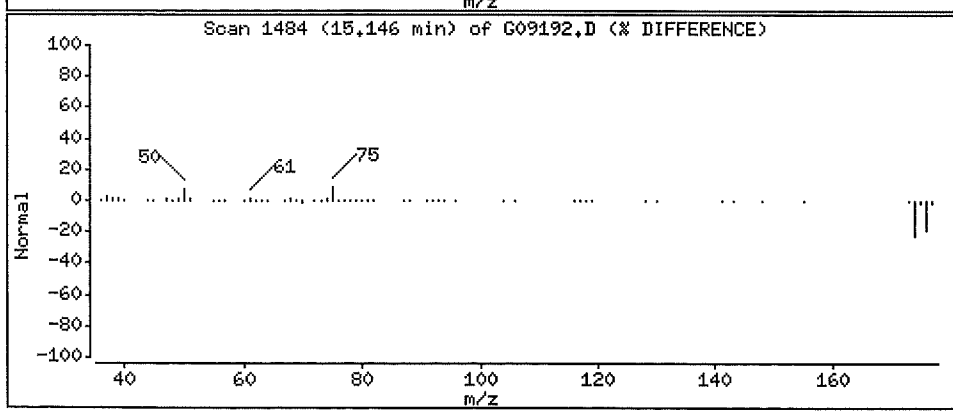
66 4-Bromofluorobenzene-2nd

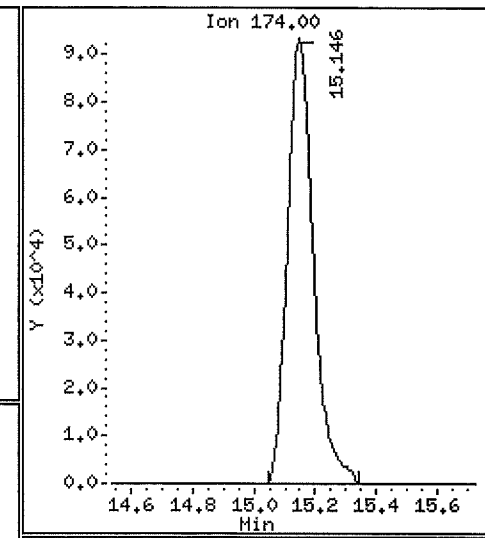
Concentration: 50.63 ug/Kg

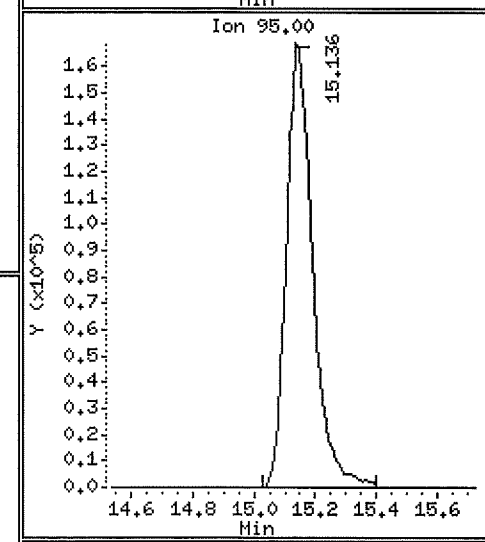


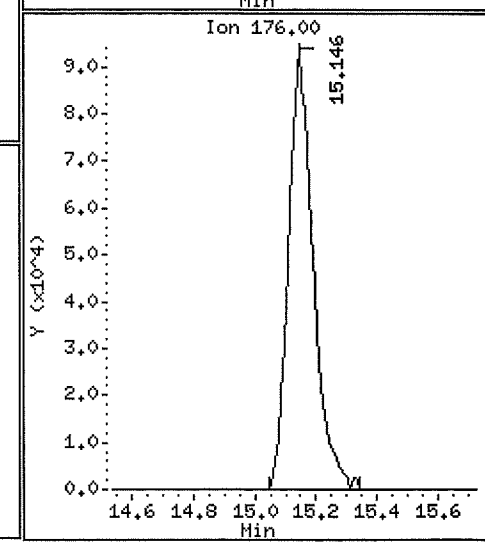












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09192.D

Date : 22-OCT-2000 15:36

Client ID: G09192

Instrument: mg.i

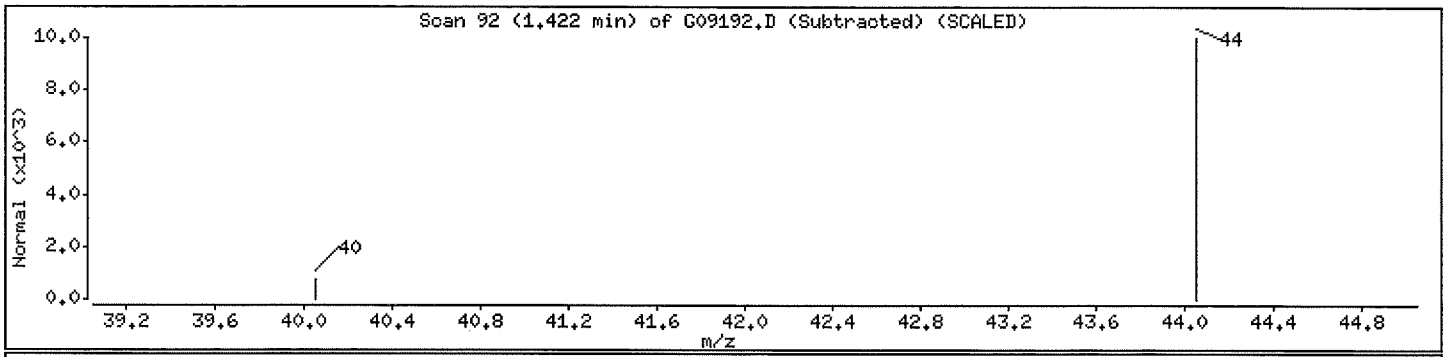
Sample Info: DLW71101,,2,,0,1,0,8260BGS.M,G09192

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09177.D

Date : 22-OCT-2000 05:39

Client ID: G09177

Instrument: mg.i

Sample Info: DLW69101,,2,,0,1,0,8260BGS,M,G09177

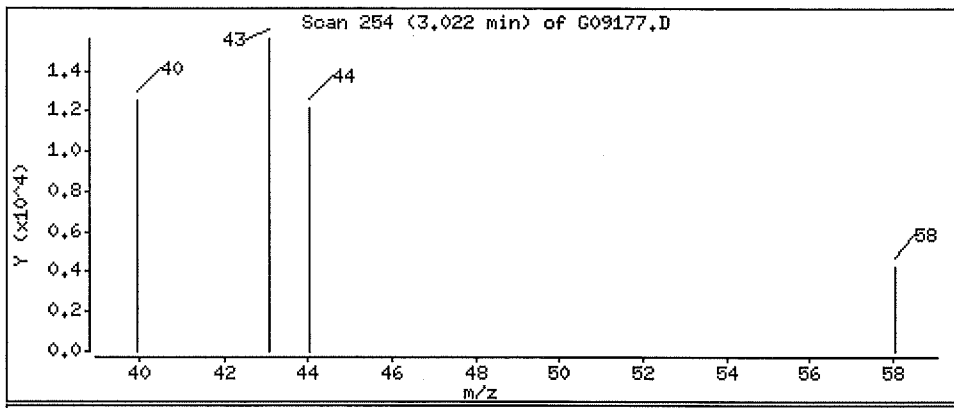
Operator: AD

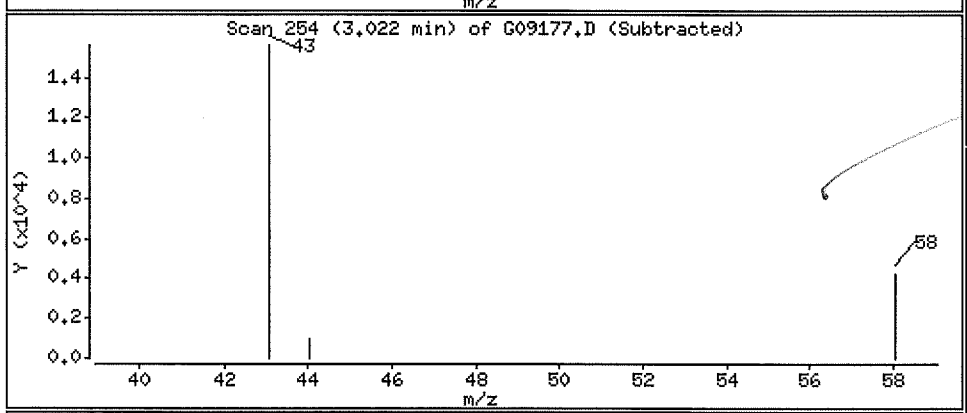
Column phase: J&W DB-624

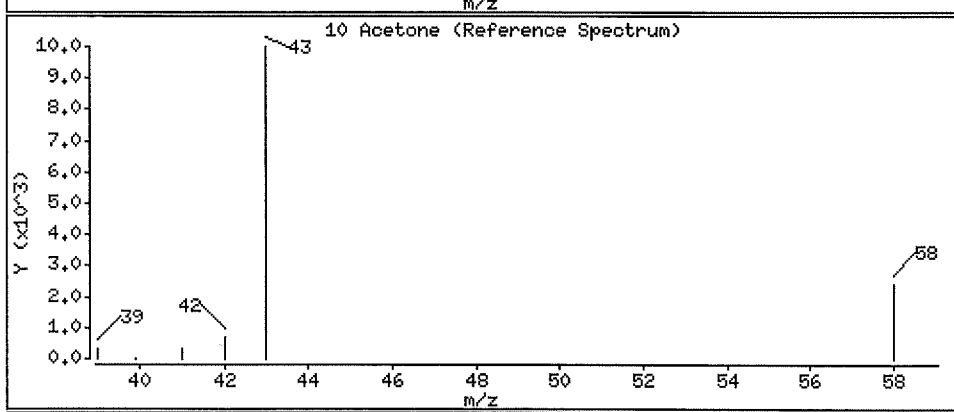
Column diameter: 0.53

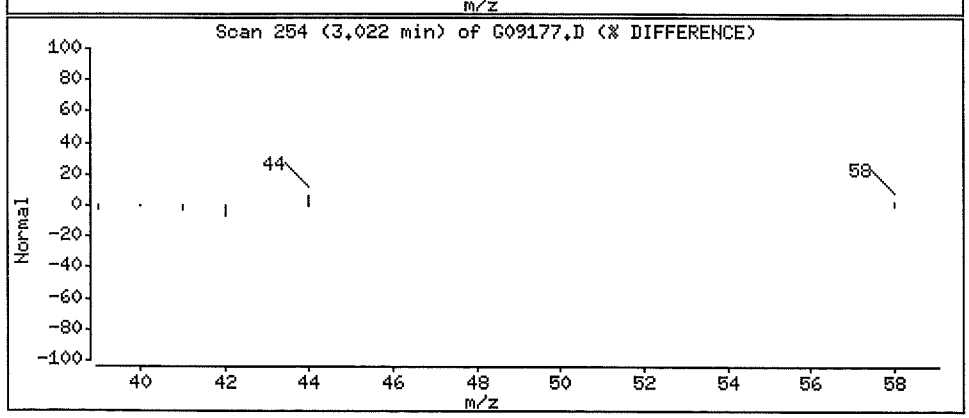
10 Acetone

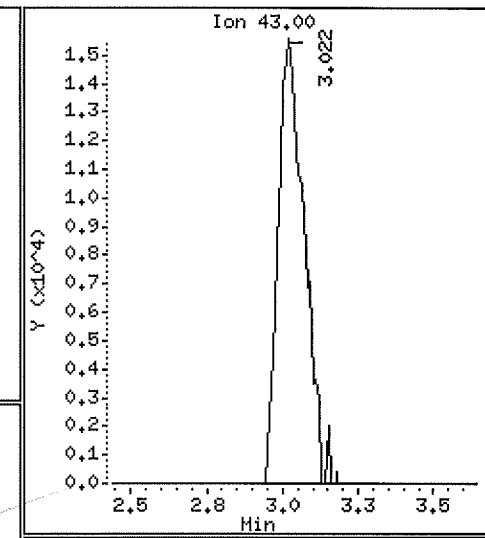
Concentration: 36.88 ug/Kg

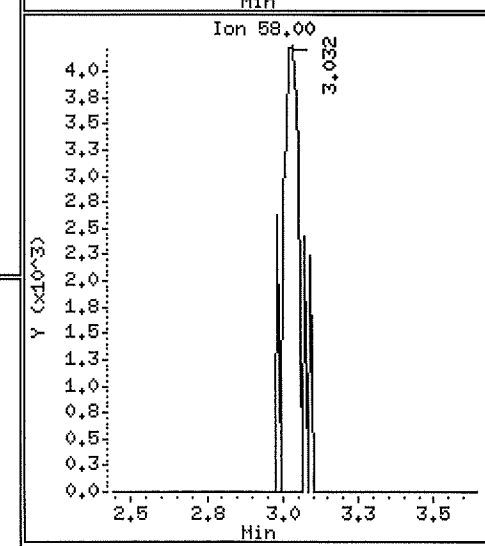












Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09177.D

Date : 22-OCT-2000 05:39

Client ID: G09177

Instrument: mg.i

Sample Info: DLW69101,,2,,0,1,0,8260BGS.M,G09177

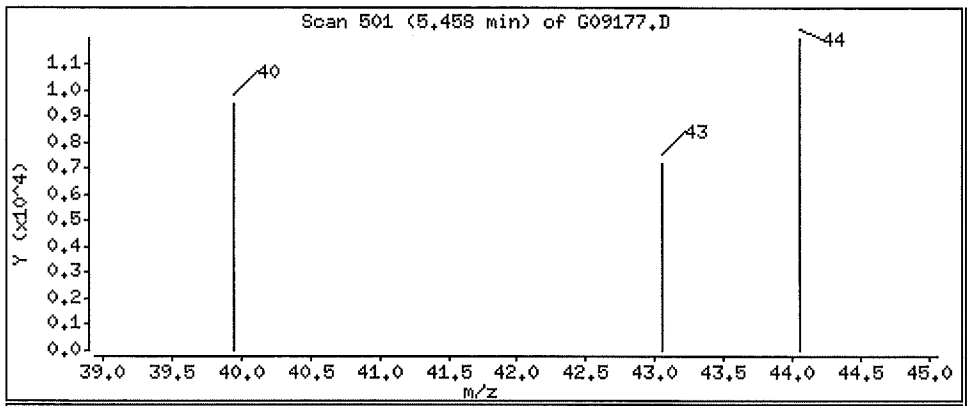
Operator: AD

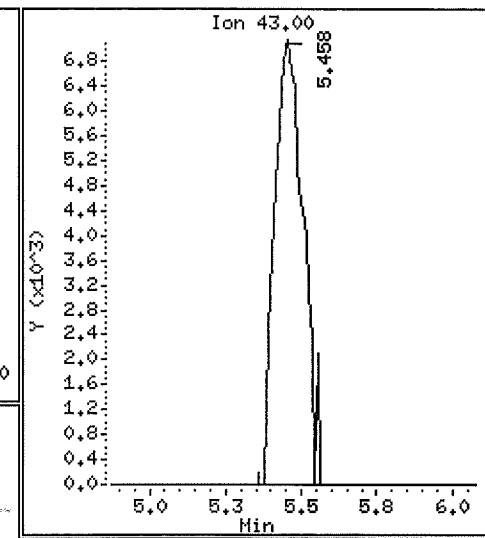
Column phase: J&W DB-624

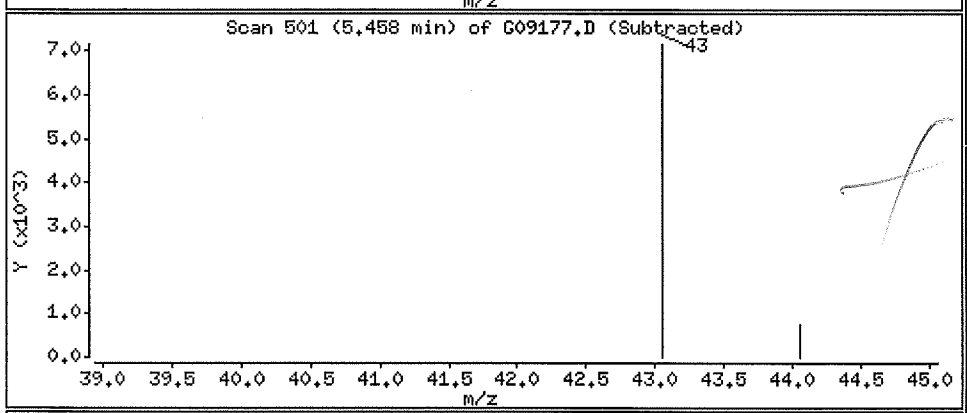
Column diameter: 0.53

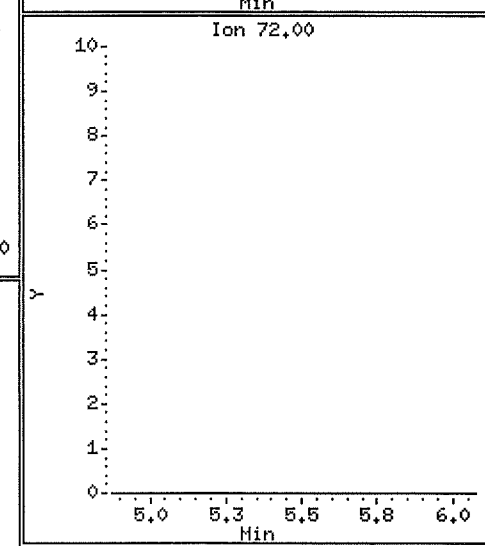
24 2-Butanone

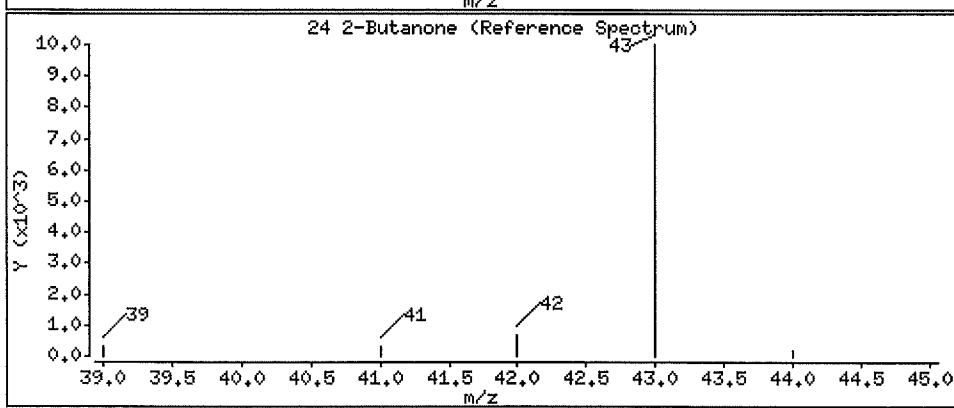
Concentration: 9.14 ug/Kg

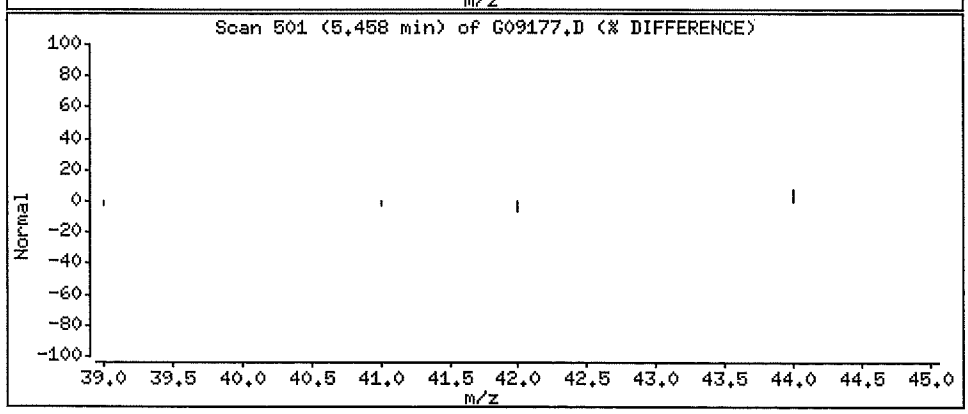












Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09177.D

Date : 22-OCT-2000 05:39

Client ID: G09177

Instrument: mg.i

Sample Info: DLW69101,,2,,0,1,0,8260BGS,M,G09177

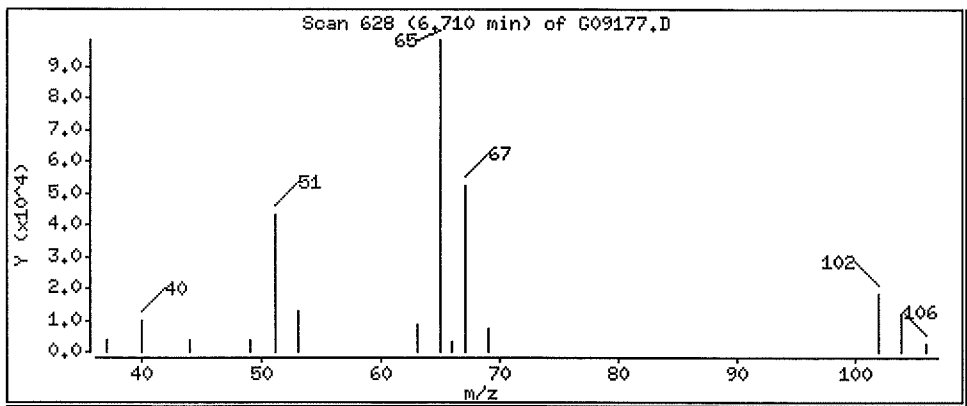
Operator: AD

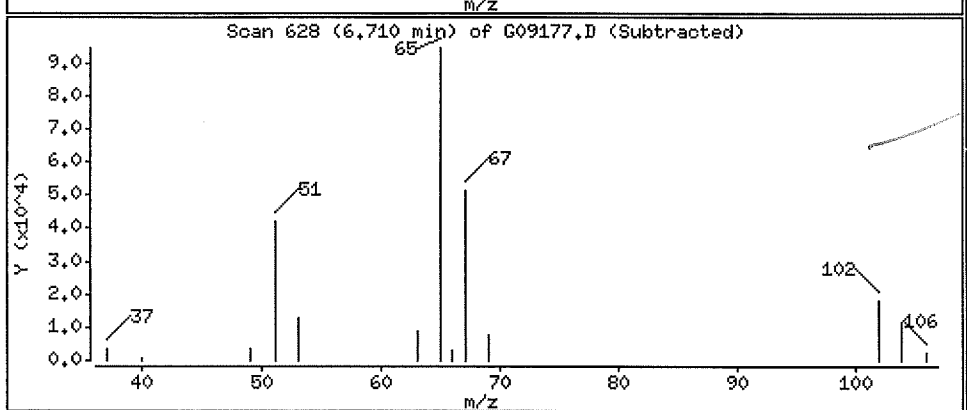
Column phase: J&W DB-624

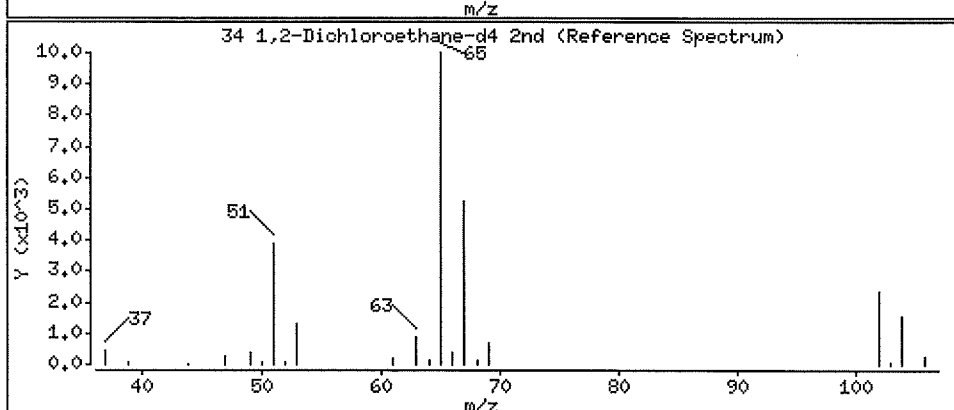
Column diameter: 0.53

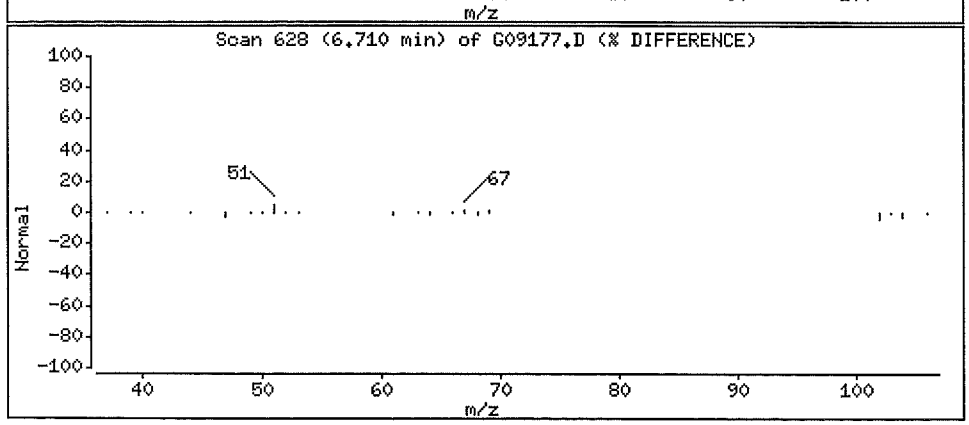
34 1,2-Dichloroethane-d4 2nd

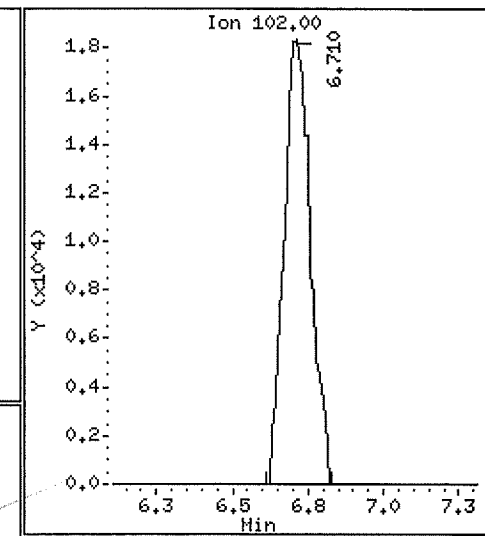
Concentration: 59.37 ug/Kg

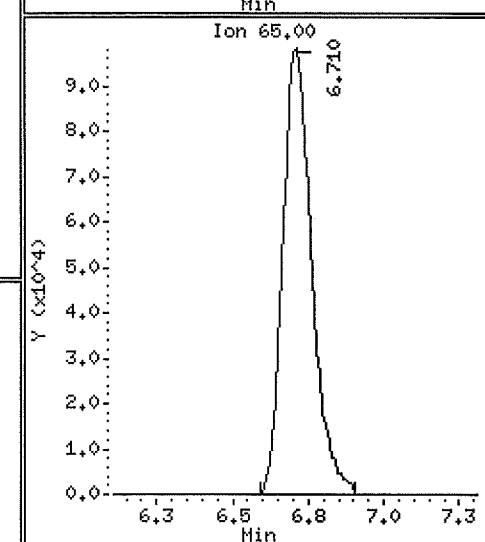












Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09177.D

Date : 22-OCT-2000 05:39

Client ID: G09177

Instrument: mg.i

Sample Info: DLW69101,,2,,0,1,0,8260BGS.M,G09177

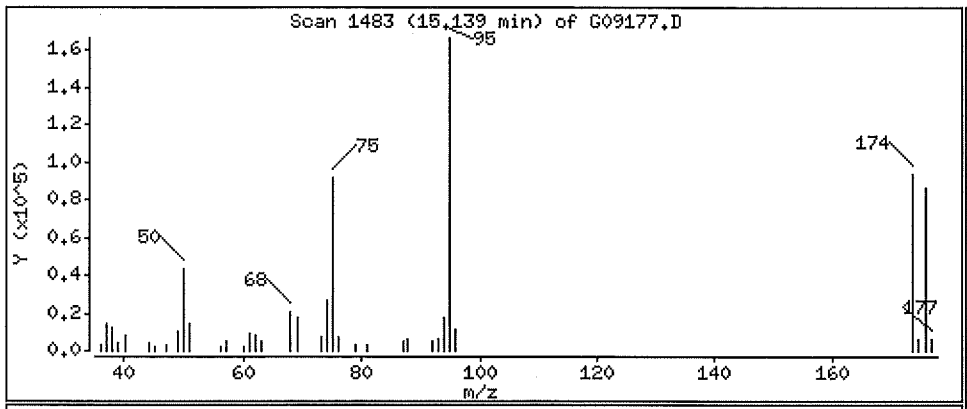
Operator: AD

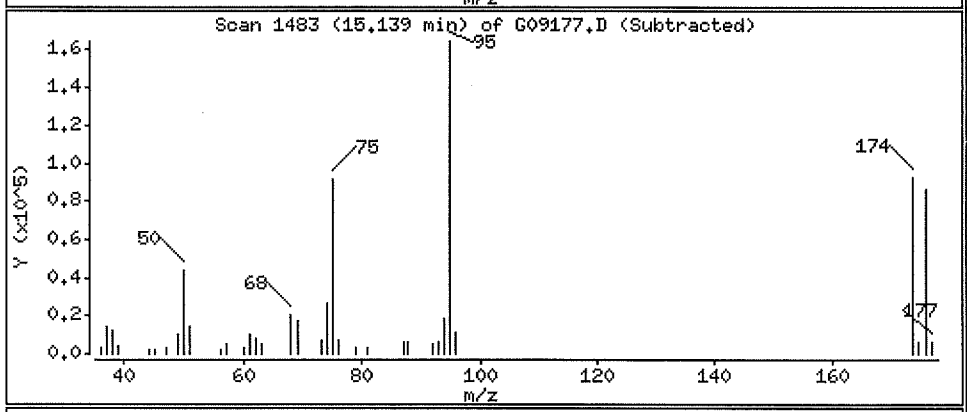
Column phase: J&W DB-624

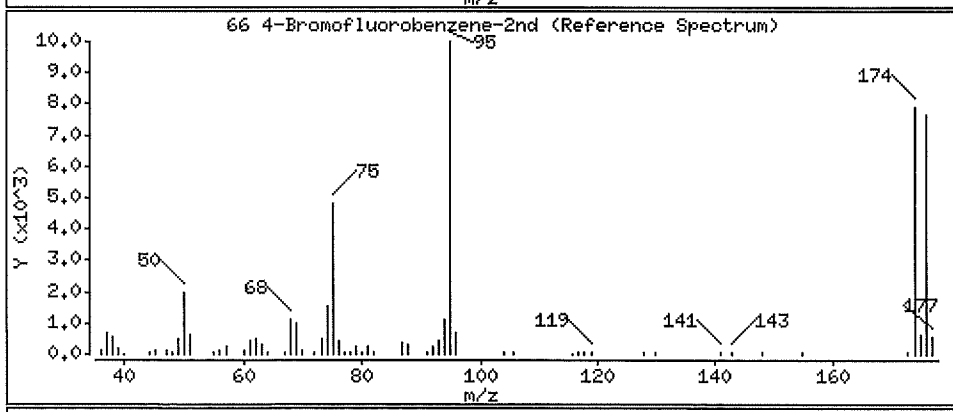
Column diameter: 0.53

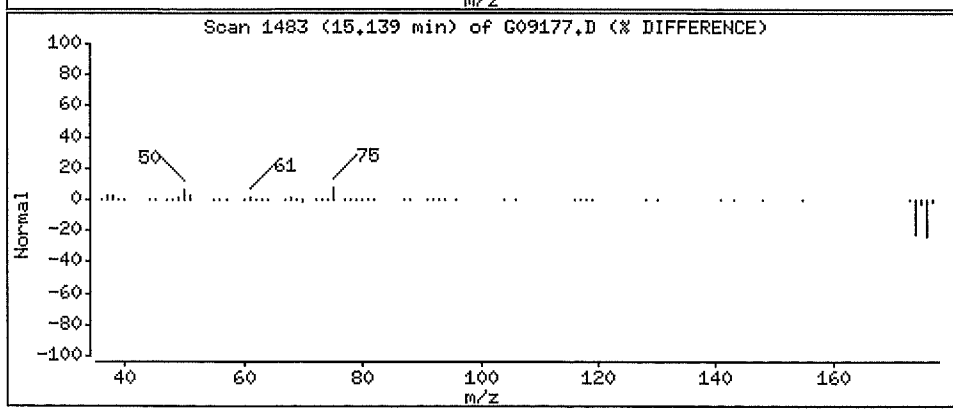
66 4-Bromofluorobenzene-2nd

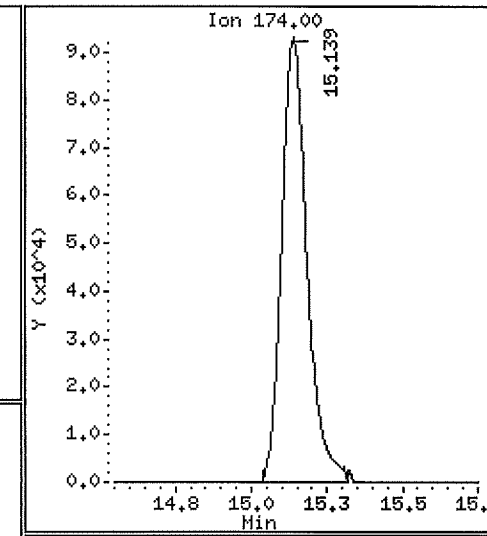
Concentration: 47.22 ug/Kg

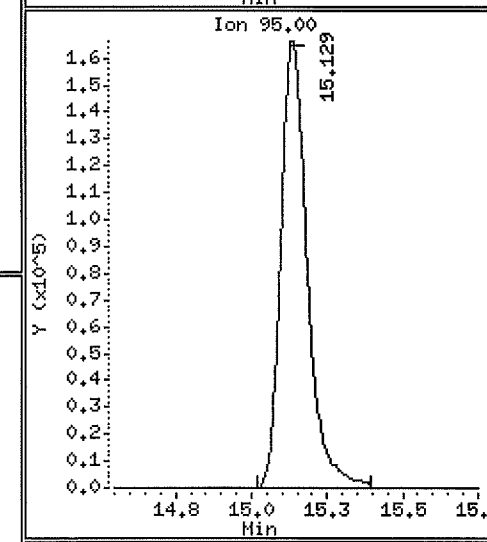


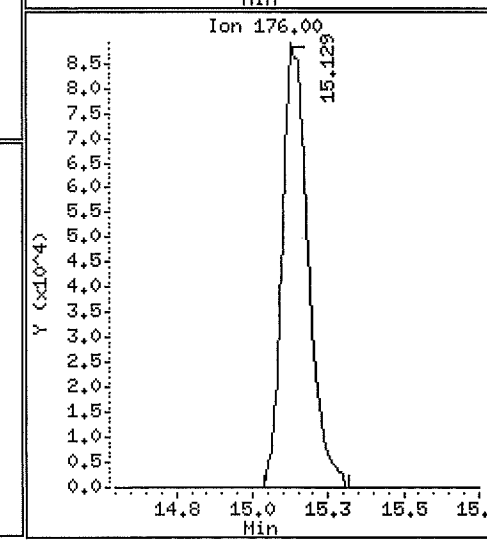












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09178.D
Lab Smp Id: DLW6C101 Client Smp ID: G09178
Inj Date : 22-OCT-2000 06:13
Operator : AD Inst ID: mg.i
Smp Info : DLW6C101,,2,,0,1,0,8260BGS.M,G09178
Misc Info : 272-13,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.040	3.040	(0.418)	15205	6.07241	6.07
$ 29 Dibromofluoromethane	111	6.185	6.176	(0.850)	771473	51.7500	51.75
$ 33 1,2-Dichloroethane-d4	65	6.717	6.718	(0.923)	663750	56.1252	56.12
34 1,2-Dichloroethane-d4 2nd	102	6.697	6.708	(0.920)	114624	61.5268	61.53
* 38 Fluorobenzene	96	7.279	7.270	(1.000)	1294363	50.0000	
$ 47 Toluene-d8	98	10.109	10.119	(0.790)	1291215	49.5313	49.53
* 56 Chlorobenzene-d5	117	12.791	12.821	(1.000)	1055908	50.0000	
$ 67 4-Bromofluorobenzene	95	15.127	15.148	(0.868)	1030859	51.0975	51.10
66 4-Bromofluorobenzene-2nd	174	15.137	15.148	(0.868)	549417	47.8929	47.89
* 79 1,4-Dichlorobenzene-d4	152	17.434	17.465	(1.000)	615793	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09178.D
Lab Smp Id: DLW6C101 Client Smp ID: G09178
Inj Date : 22-OCT-2000 06:13
Operator : AD Inst ID: mg.i
Smp Info : DLW6C101,,2,,0,1,0,8260BGS.M,G09178
Misc Info : 272-13,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.279	3273963	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.413	718331	10.9703628	10.97	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW6C101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09178
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.413	10.97	J

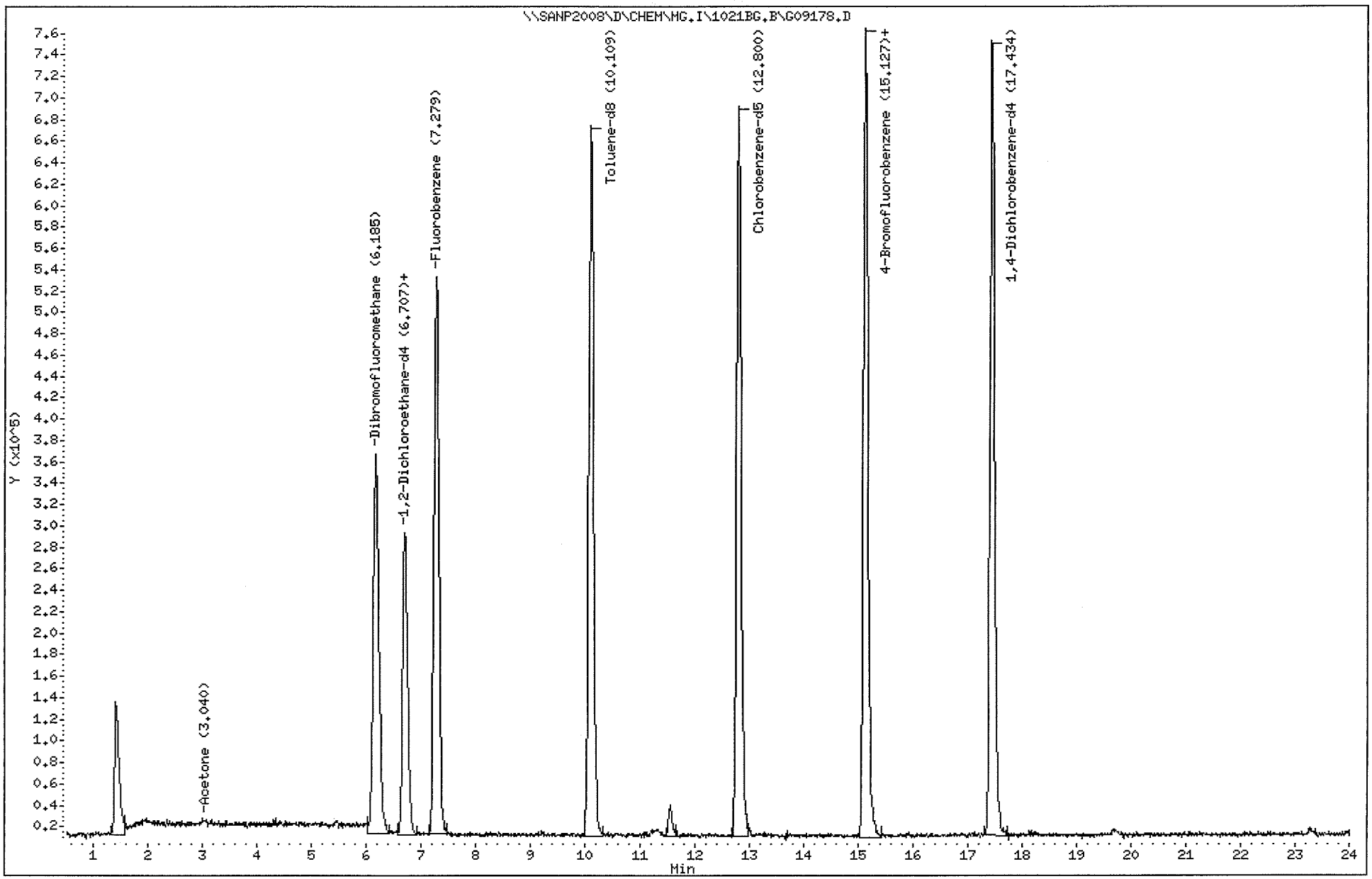
Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09178.D
Date : 22-OCT-2000 06:13
Client ID: G09178
Sample Info: DLW6C101,,2,,0,1,0,8260BGS.M,G09178

Instrument: mg.i

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



000571

BOE-C6-0158227

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09178.D

Date : 22-OCT-2000 06:13

Client ID: G09178

Instrument: mg.i

Sample Info: DLW6C101,,2,,0,1,0,8260BGS.M,G09178

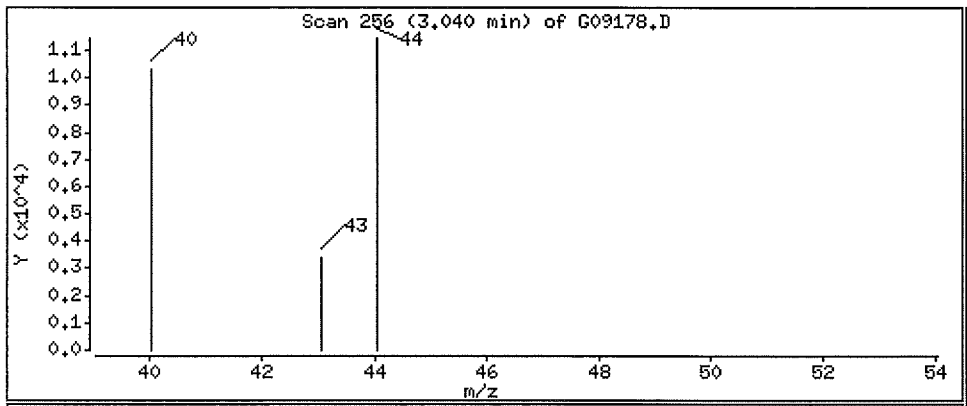
Operator: AD

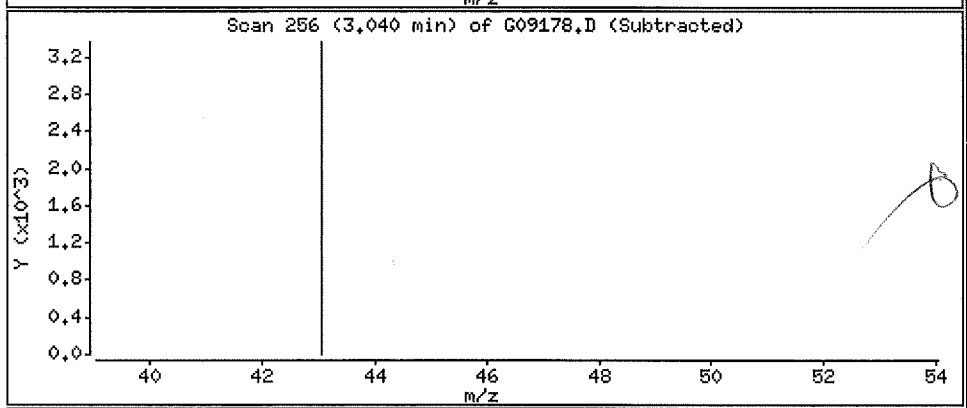
Column phase: J&W DB-624

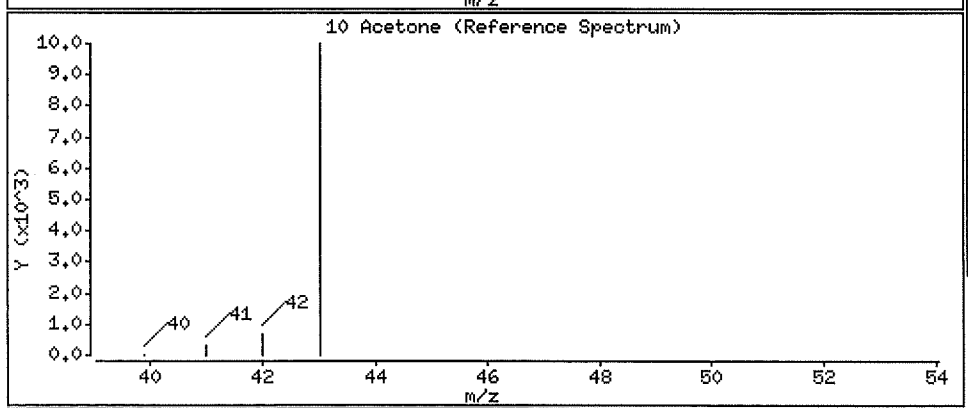
Column diameter: 0.53

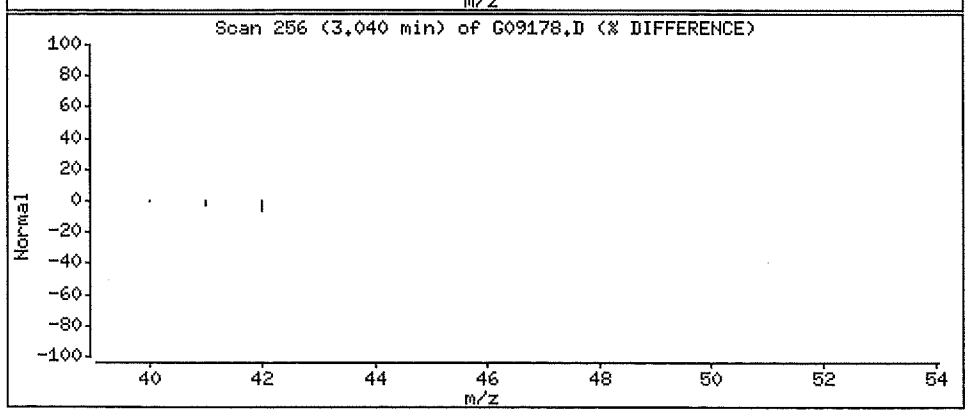
10 Acetone

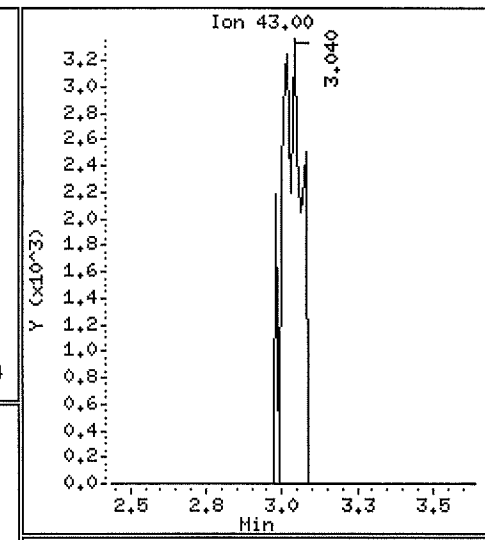
Concentration: 6.07 ug/Kg

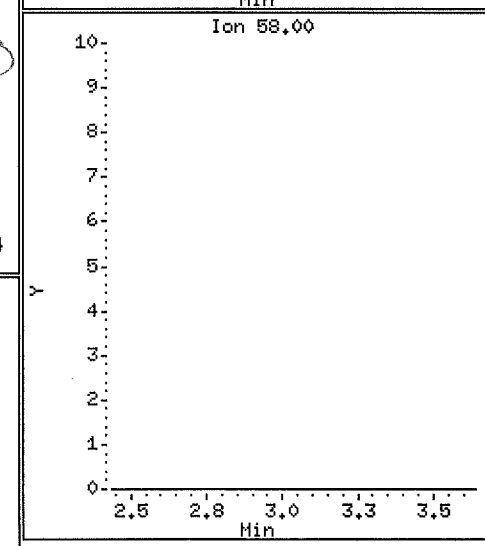












Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09178.D

Date : 22-OCT-2000 06:13

Client ID: G09178

Instrument: mg.i

Sample Info: DLW6C101,,2,,0,1,0,8260BGS.M,G09178

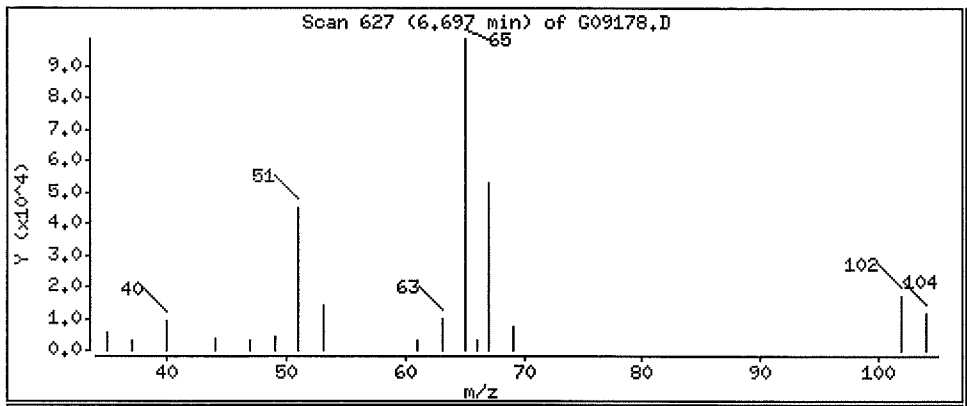
Operator: AD

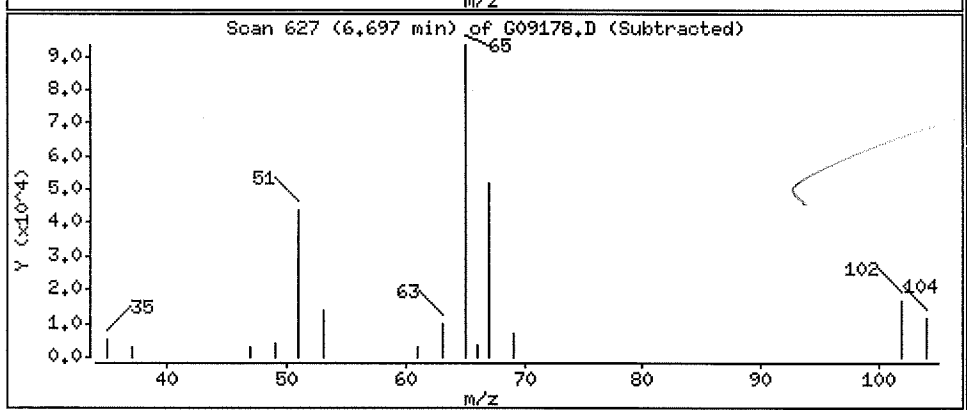
Column phase: J&W DB-624

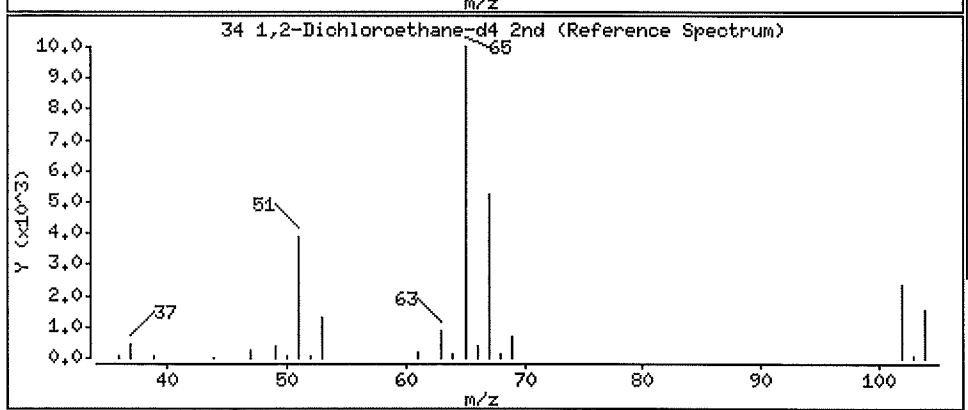
Column diameter: 0.53

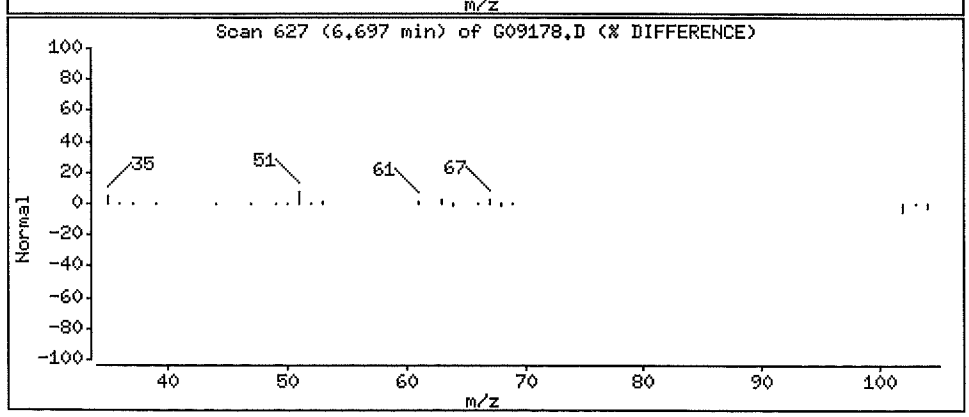
34 1,2-Dichloroethane-d4 2nd

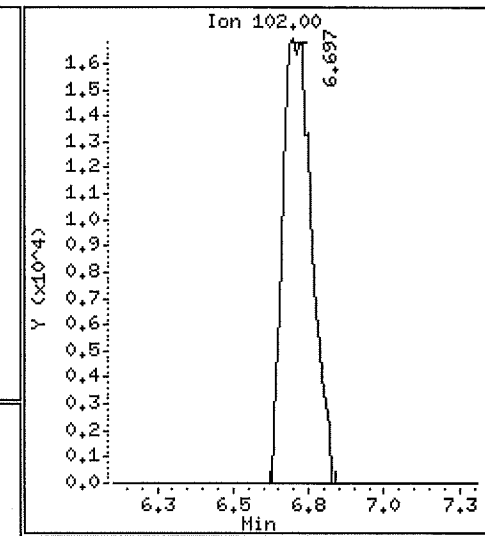
Concentration: 61.53 ug/Kg

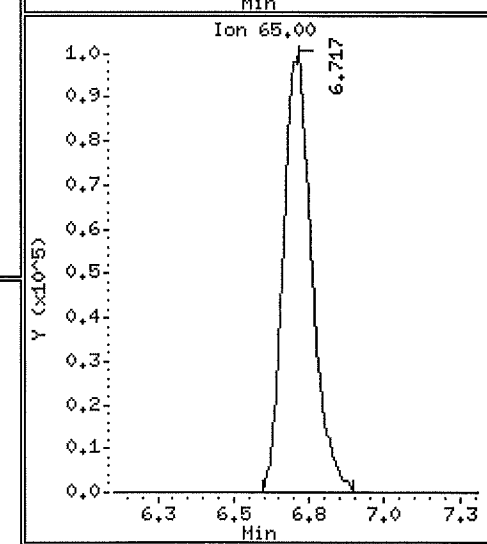












Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09178.D

Date : 22-OCT-2000 06:13

Client ID: G09178

Instrument: mg.i

Sample Info: DLW6C101,,2,,0,1,0,8260BGS.M,G09178

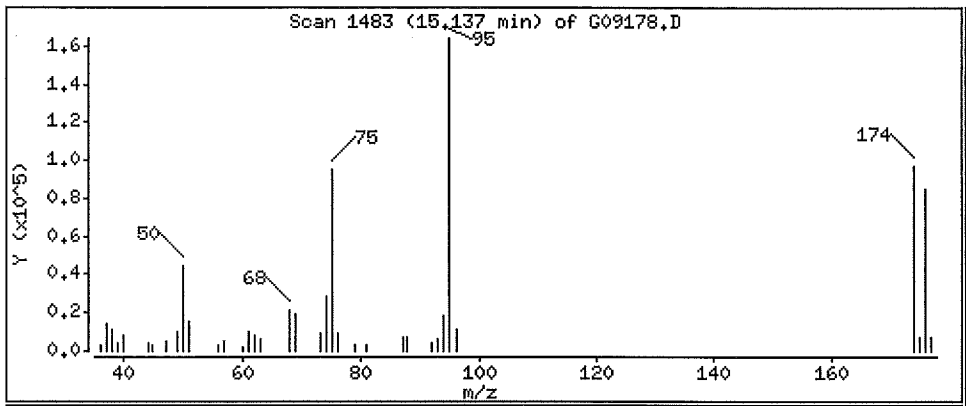
Operator: AD

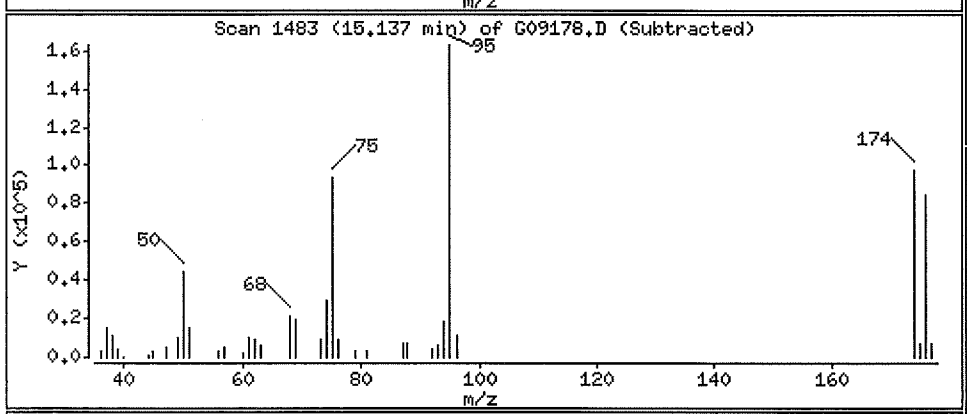
Column phase: J&W DB-624

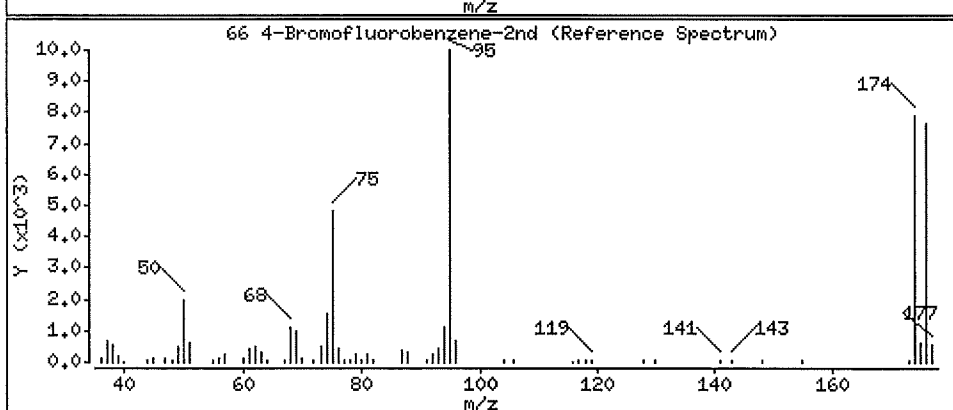
Column diameter: 0.53

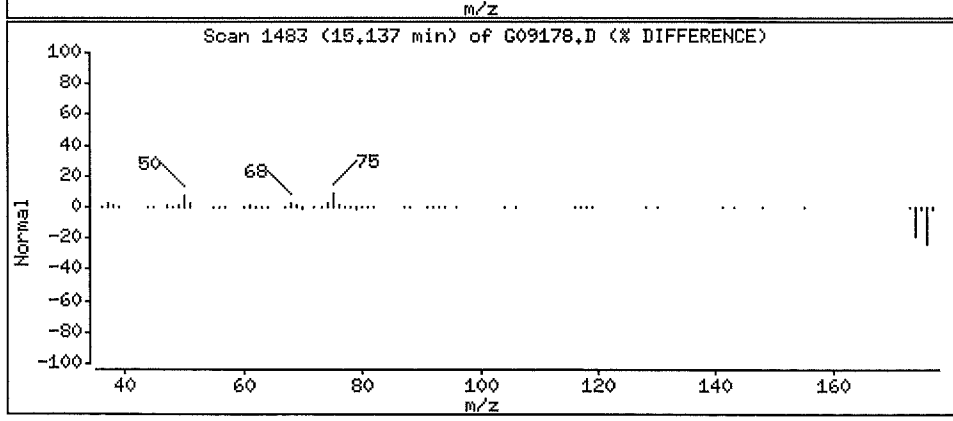
66 4-Bromofluorobenzene-2nd

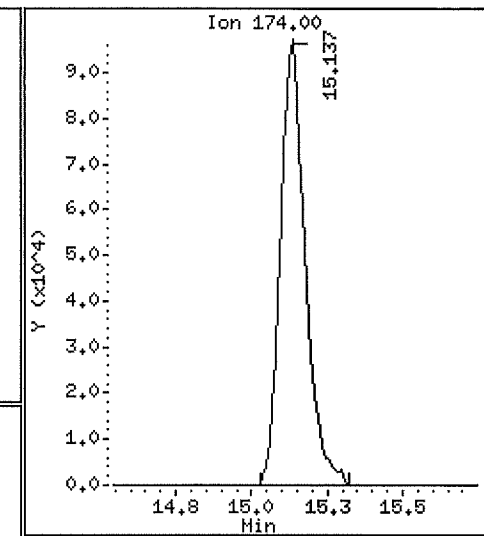
Concentration: 47.89 ug/Kg

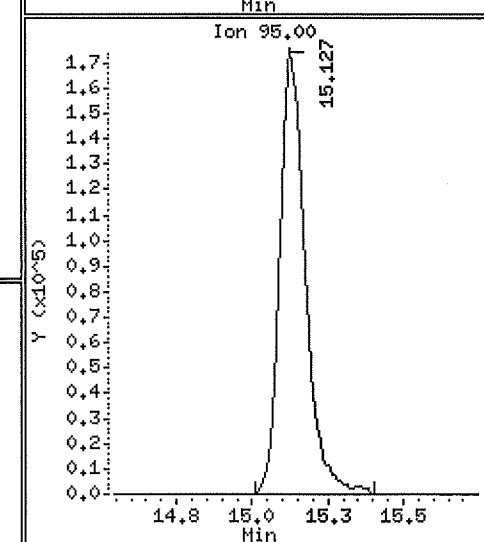


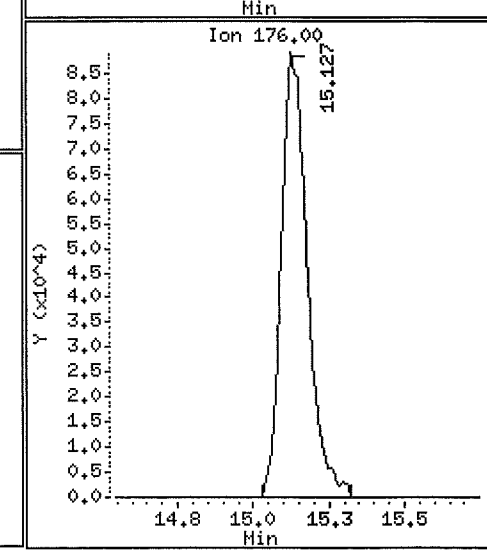












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09179.D
Lab Smp Id: DLW6D101 Client Smp ID: G09179
Inj Date : 22-OCT-2000 06:48
Operator : AD Inst ID: mg.i
Smp Info : DLW6D101,,2,,0,1,0,8260BGS.M,G09179
Misc Info : 272-14,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
$ 29 Dibromofluoromethane	111	6.186	6.176	(0.850)	769165	50.8167	50.82	
$ 33 1,2-Dichloroethane-d4	65	6.709	6.718	(0.921)	659541	54.9277	54.93	
34 1,2-Dichloroethane-d4 2nd	102	6.719	6.708	(0.923)	115382	60.9986	61.00	
* 38 Fluorobenzene	96	7.281	7.270	(1.000)	1314195	50.0000		
$ 47 Toluene-d8	98	10.110	10.119	(0.790)	1289875	48.9613	48.96	
* 56 Chlorobenzene-d5	117	12.792	12.821	(1.000)	1067094	50.0000		
$ 67 4-Bromofluorobenzene	95	15.129	15.148	(0.868)	1044813	51.9968	52.00	
66 4-Bromofluorobenzene-2nd	174	15.129	15.148	(0.868)	560629	49.0661	49.07	
* 79 1,4-Dichlorobenzene-d4	152	17.436	17.465	(1.000)	613334	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09179.D
Lab Smp Id: DLW6D101 Client Smp ID: G09179
Inj Date : 22-OCT-2000 06:48
Operator : AD Inst ID: mg.i
Smp Info : DLW6D101,,2,,0,1,0,8260BGS.M,G09179
Misc Info : 272-14,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.281	3349410	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.424	832989	12.4348644	12.43	0		0	38

9/25

TVPH

SAMPLE AND QC DATA

$C_6 \rightarrow C_8$

Date(s) Analyzed: 10-13-00

Instrument ID: GC15A GC16 GC13

Batch #: 0292382

Samples: EUJ100272-B,C,1,3,4,8,9,10,11,12,
13,14,15,16,17,18,20,21,21S,21D

Batch Number: 0292382

Lab ID: E0J100272 001 Workorder: DLW5C103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 003 Workorder: DLW5M103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 004 Workorder: DLW5N103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 008 Workorder: DLW60103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 009 Workorder: DLW62103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 010 Workorder: DLW63103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 011 Workorder: DLW65103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 012 Workorder: DLW69103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 013 Workorder: DLW6C103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 014 Workorder: DLW6D103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 015 Workorder: DLW6E103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 016 Workorder: DLW6F103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 017 Workorder: DLW6G103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 018 Workorder: DLW6J103 Dilution Factor: 1
No Anomalies Found on Workorder

BOE-C6-0158234

183000

Batch Number: 0292382

Lab ID: E0J100272 020 Workorder: DLW6M103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 021 Workorder: DLW6P103 Dilution Factor: 1

Analyte: TPH (as Gasoline)	No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C12)	No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C10)	No Matching Blank Analyte Found

Lab ID: E0J100272 021 S Workorder: DLW6P11A Dilution Factor: 1

Analyte: TPH (as Gasoline)	No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C12)	No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C10)	No Matching Blank Analyte Found

Lab ID: E0J100272 021 D Workorder: DLW6P11C Dilution Factor: 1

Analyte: TPH (as Gasoline)	No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C12)	No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C10)	No Matching Blank Analyte Found

< < < End of Report > > >

BOE-C6-0158235

000688

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/18/00
Time: 14:36:00

BOE-C6-0158236

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____

Concentrationist: _____
_____

****
* QC BATCH: 0292382 *
****

PREP DATE: 10/13/00
COMP DATE: 10/13/00

Reviewer/Date: _____ / 0/00/00

Hydrocarbons, Volatile Petroleum (8015B)
PURGE AND TRAP - 5 mL purge

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	10/16/00	E0J100272-001 **DLW5C-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-003 **DLW5M-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-004 **DLW5N-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-013 **DLW6C-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-014 **DLW6D-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-015 **DLW6E-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-016 **DLW6F-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/18/00
Time: 14:36:00

QC BATCH: 0292382

PREP DATE: 10/13/00
COMP DATE: 10/13/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	10/16/00	E0J100272-017 **DLW6G-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-018 **DLW6J-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-020 **DLW6M-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-021 **DLW6P-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-021 **DLW6P-1-1AS**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	GASOLINE TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-021 **DLW6P-1-1CD**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	GASOLINE TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-008 **DLW60-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-009 **DLW62-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-010 **DLW63-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-011 **DLW65-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															

BOE-C6-0158237

000100

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/18/00
Time: 14:36:00

QC BATCH: 0292382

PREP DATE: 10/13/00
COMP DATE: 10/13/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	10/16/00	E0J100272-012 **DLW69-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	0/00/00	E0J180000-382 **DNC4C-1-AAB**		15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	0/00/00	E0J180000-382 **DNC4C-1-ACC**		15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	GASOLINE TFT
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
↕

NUMBER OF WORK ORDERS IN BATCH: 20

000691

BOE-C6-0158238

Turbochrom Sequence File : C:\TC4\GC15\012.SEQ
Created by : JKA on : 10/12/00 04:24 PM
Edited by : JKA/ARM on : 10/13/00 04:39 PM
scription : TVPH BY PURGE AND TRAP BY METHOD 8015B

TVPH STD: #122-2
TVPH QC SPIKE: #121-1
SURROGATE (TFT): #124-1

FJK 10/21/00

Number of Times Edited : 5

Sequence File Header Information:

Number of Rows : 100
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
2	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
3	Sample	LCSGAS-S	LCS-GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
4	Sample	BLK-S	BLK-S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
5	Sample	J090227-1	227-1		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
6	Sample	J090227-2	227-2		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
7	Sample	J090227-3	227-3		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
8	Sample	J090227-4	227-4		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
9	Sample	J090227-5	227-5		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
10	Sample	n/a J090227-6	227-6	low TFT	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
11	Sample	J090227-7	227-7		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
12	Sample	J090227-8	227-8		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
13	Sample	J090227-9	227-9		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	J090227-10	227-10		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
16	Sample	BLK-S	BLK-S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	J090227-11	227-11		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
18	Sample	J090227-12	227-12		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
19	Sample	J090227-13	227-13		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
20	Sample	J090227-14	227-14		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
21	Sample	J090227-19	227-19		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
22	Sample	J090227-21	227-21		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
23	Sample	J090227-22	227-22		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
24	Sample	J090227-23	227-23		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
25	Sample	J090227-25	227-25		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
26	Sample	J090227-26	227-26		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
27	Sample	J090227-1 bedpyle	227-1GMS	pt Batch controlled by LCS	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
28	Sample	J090227-1	227-1GMSD		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
29	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
30	Sample	LCSGAS-S	LCS-GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
31	Sample	BLK-S	BLK-S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
32	Sample	J100272-1	272-1		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
33	Sample	J100272-3	272-3		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
34	Sample	J100272-4	272-4		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
35	Sample	J100272-8	272-8		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
36	Sample	J100272-9	272-9		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
37	Sample	J100272-10	272-10		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
38	Sample	J100272-11	272-11		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
39	Sample	J100272-12	272-12		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
40	Sample	J100272-13	272-13		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
41	Sample	J100272-14	272-14		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
42	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
43	Sample	BLK-S	BLK-S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
44	Sample	J100272-15	272-15		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
45	Sample	J100272-16	272-16		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
46	Sample	J100272-17	272-17		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
47	Sample	J100272-18	272-18		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
48	Sample	n/a J100272-19	272-19	n/a	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
49	Sample	J100272-20	272-20		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
50	Sample	J100272-21	272-1		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
51	Sample	J100272-21	272-21GMS	ms	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
52	Sample	J100272-21	272-21GMSD	msdc	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
53	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
54	Sample	LCSGAS-S	LCS-GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

55	Sample	BLK-S	BLK-S	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
56	Sample	J100274-2	274-2	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
57	Sample	J100274-3	274-3	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
58	Sample	J100274-5	274-5	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
59	Sample	J100274-6	274-6	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
60	Sample	J100274-7	274-7	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
61	Sample	J100274-9	274-9	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J100274-10	274-10	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J100274-11	274-11	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
64	Sample	J100274-12	274-12	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
65	Sample	J100274-14	274-14	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
66	Sample	GASCCV	GASCCV	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
67	Sample	BLK-S	BLK-S	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
68	Sample	J100274-15	274-15	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
69	Sample	J100274-16	274-16	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
70	Sample	J100274-17	274-17	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
71	Sample	J100274-18	274-18	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
72	Sample	J100274-20	274-20	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
73	Sample	J100274-22	274-22	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
74	Sample	J100274-24	274-24	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
75	Sample	J100274-25	274-25	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
76	Sample	J100274-26	274-26	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
77	Sample	J100274-27	274-27	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
78	Sample	J100274-2 ms	274-2GMS	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
79	Sample	J100274-2 msd	274-2GMSD	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
80	Sample	GASCCV	GASCCV	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
81	Sample	LCSGAS-S	LCS-GAS	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
82	Sample	BLK-S	BLK-S	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
83	Sample	J100274-28	274-28	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
84	Sample	J100274-29	274-29	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
85	Sample	J100274-30	274-30	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
86	Sample	J100274-31	274-31	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
87	Sample	J100274-32	274-32	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
88	Sample	J100274-33	274-33	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
89	Sample	J100274-34	274-34	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
90	Sample	J100274-37	274-37	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
91	Sample	J100274-38	274-38	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
92	Sample	J100274-39	274-39	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
93	Sample	J100274-39 ms	274-39GMS	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
94	Sample	J100274-39 msd	274-39GMSD	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
95	Sample	GASCCV	GASCCV	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
96	Sample			1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample			1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample			1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
99	Sample			1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
100	Sample			1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
C rator :

Time : 10/16/00 01:22 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

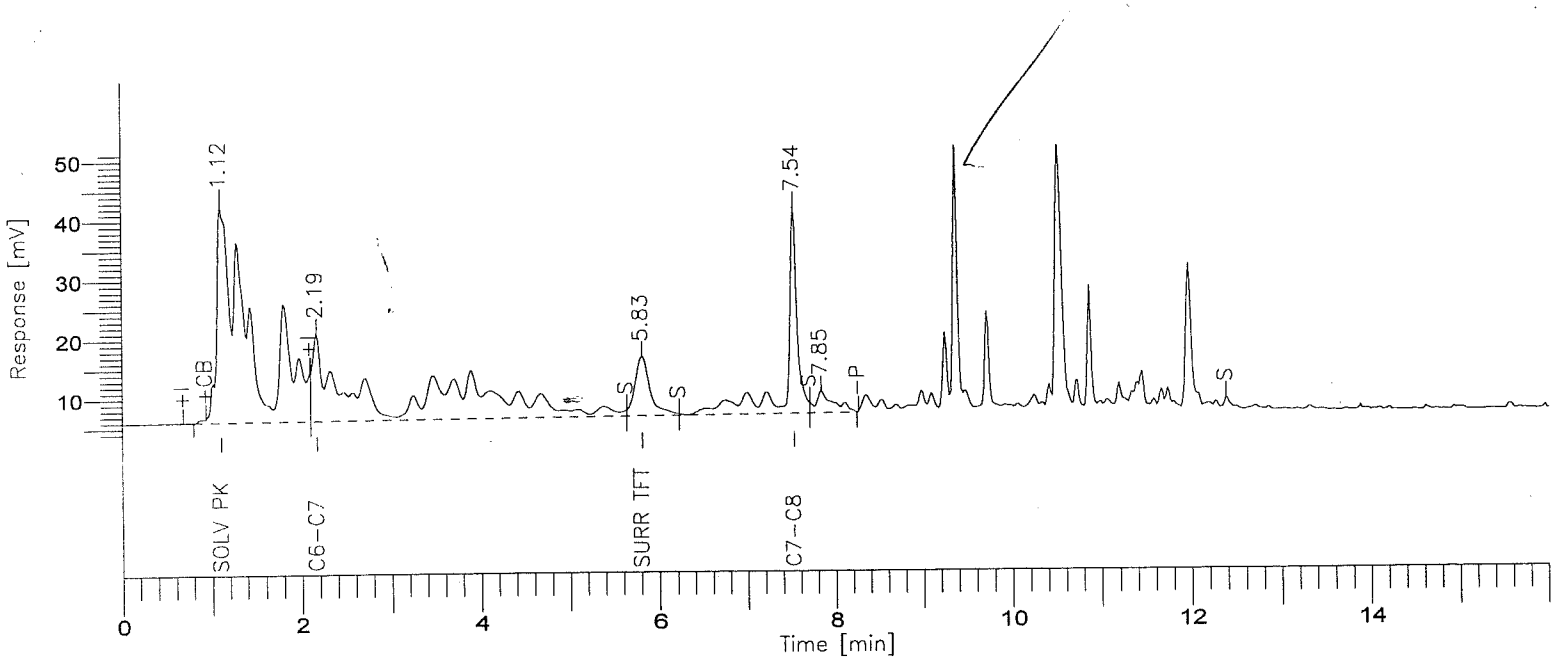
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 05:03 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A002.RAW
Result File : C:\TC4\GC15\O12A002.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A002.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000694

BOE-C6-0158241

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.83	SURR TFT	117606	0.0420	0.0400	4.9
7.53	GASOLINE RANGE	1046790	0.9285	1.0000	-7.2
		1164397			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.18	C6-C7	742250	1.0586	0.0000	-----
7.53	C7-C8	304540	0.7208	0.0000	-----
		1046790			

SrL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A002.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
C rator :

Time : 10/16/00 01:23 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

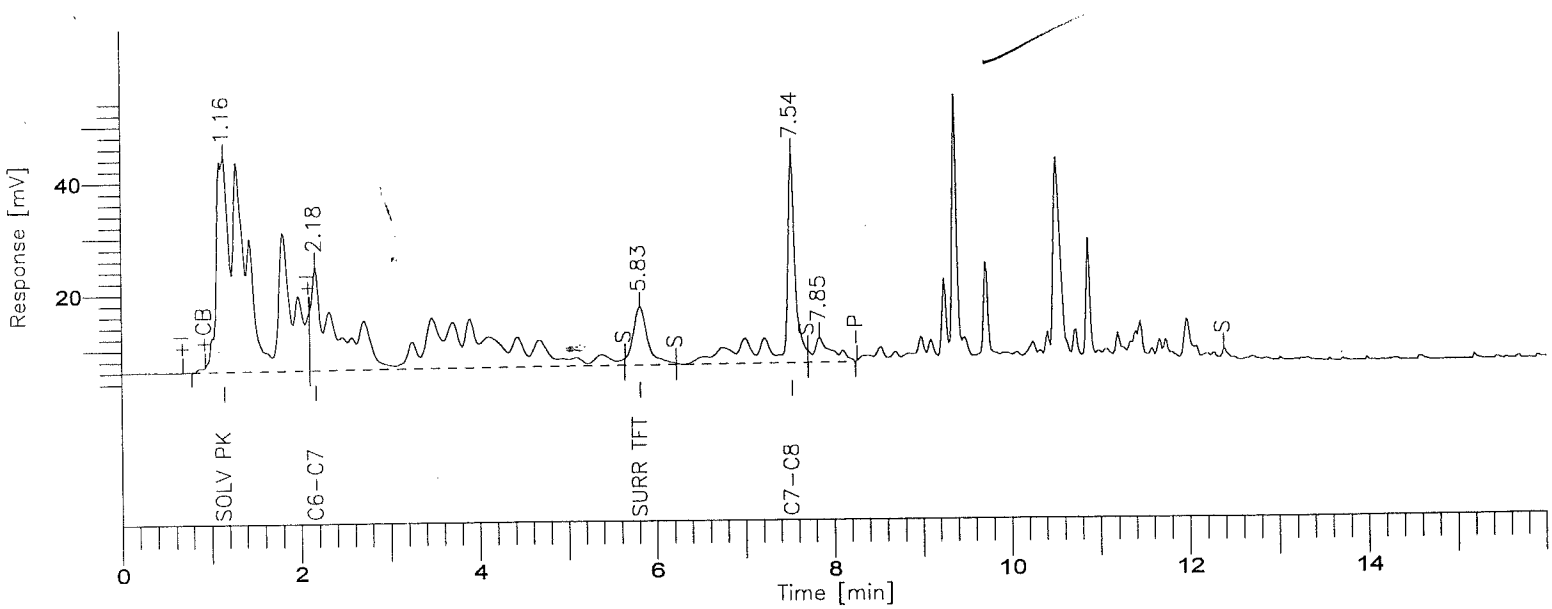
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 11:13 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A015.RAW
Result File : C:\TC4\GC15\O12A015.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A015.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000696

BOE-C6-0158243

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.83	SURR TFT	122355	0.0434	0.0400	8.4
7.53	GASOLINE RANGE	1223944	1.0808	1.0000	8.1
		1346299			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.18	C6-C7	880155	1.2514	0.0000	-----
7.53	C7-C8	343789	0.8084	0.0000	-----
		1223944			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A015.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
(rator :

Time : 10/16/00 01:24 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

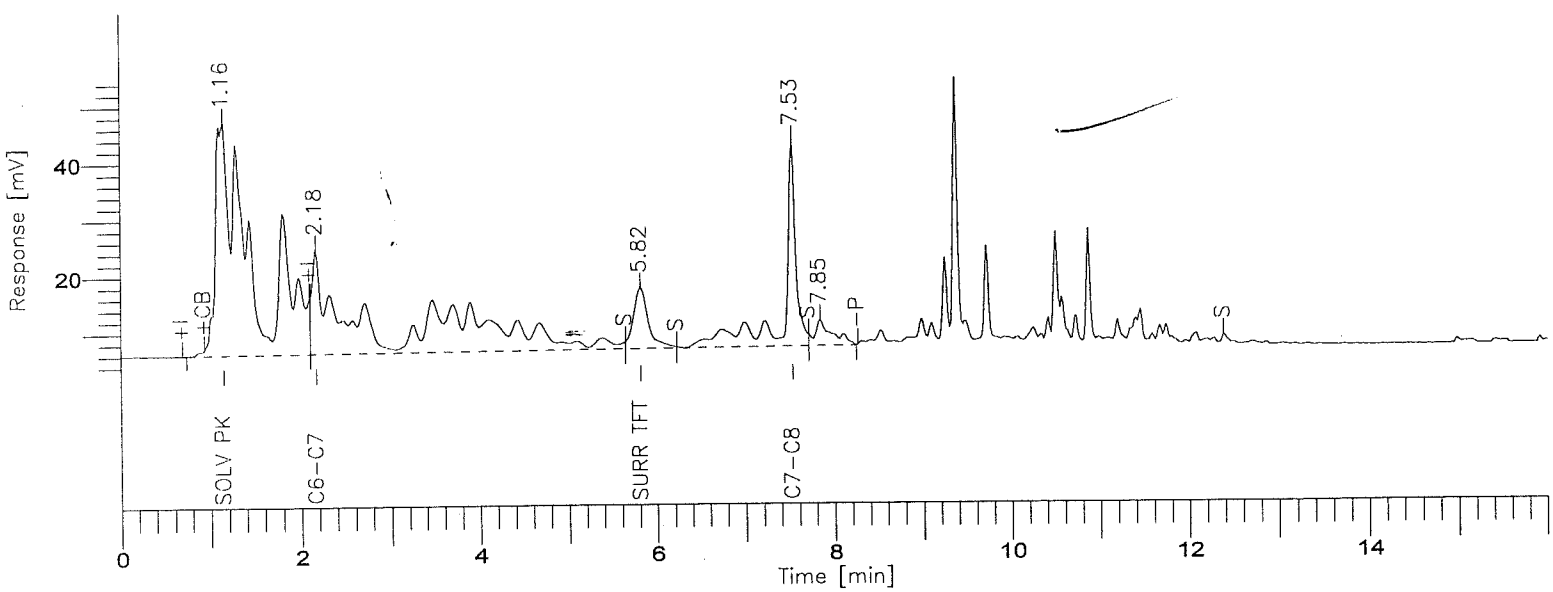
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 05:52 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A029.RAW
Result File : C:\TC4\GC15\O12A029.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A029.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000698

BOE-C6-0158245

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.16	SOLV PK	1102029	12.6142	0.0000	-----
5.82	SURR TFT	124799	0.0441	0.0400	10.2
7.53	GASOLINE RANGE	1219850	1.0773	1.0000	7.7
		2446678			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.18	C6-C7	880087	1.2513	0.0000	-----
7.53	C7-C8	339763	0.7994	0.0000	-----
		1219850			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A029.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
C rator :

Time : 10/16/00 01:24 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

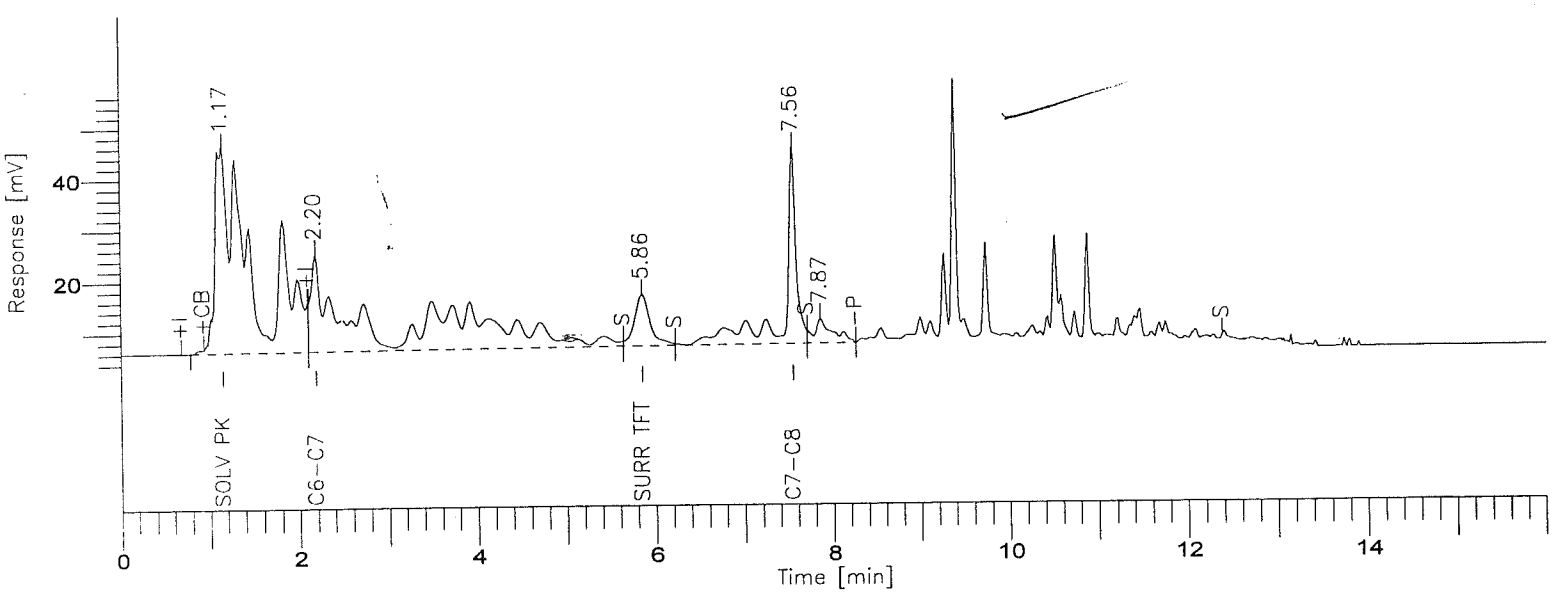
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 12:02 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A042.RAW
Result File : C:\TC4\GC15\O12A042.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A042.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.17	SOLV PK	1103187	12.6275	0.0000	-----
5.86	SURR TFT	119628	0.0426	0.0400	6.4
7.56	GASOLINE RANGE	1270230	1.1206	1.0000	12.1
		2493046			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	914585	1.2995	0.0000	-----
7.56	C7-C8	355645	0.8348	0.0000	-----
		1270230			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A042.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
Operator :

Time : 10/16/00 01:25 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

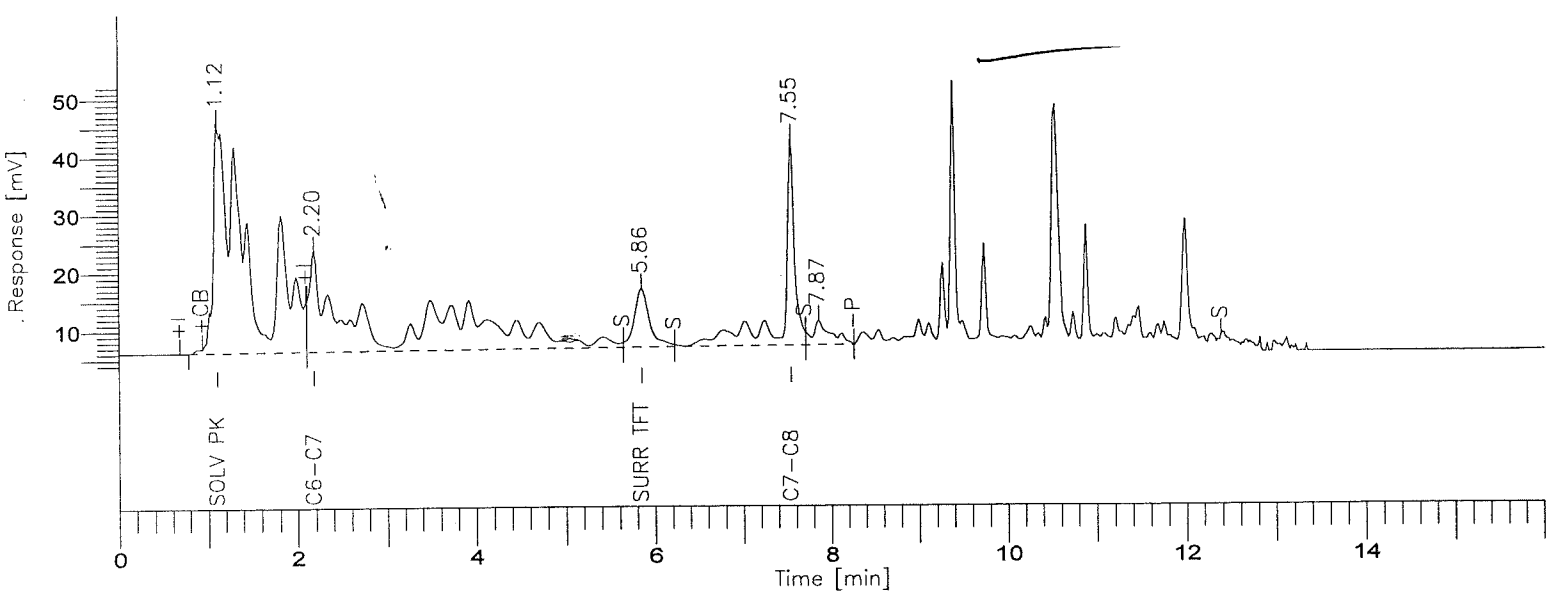
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 05:15 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A053.RAW
Result File : C:\TC4\GC15\O12A053.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A053.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000702

BOE-C6-0158249

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.86	SURR TFT	119618	0.0425	0.0400	6.4
7.55	GASOLINE RANGE	1163778	1.0290	1.0000	2.9
		1283397			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	841433	1.1973	0.0000	-----
7.55	C7-C8	322345	0.7605	0.0000	-----
		1163778			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A053.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
C rator :

Time : 10/16/00 01:26 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

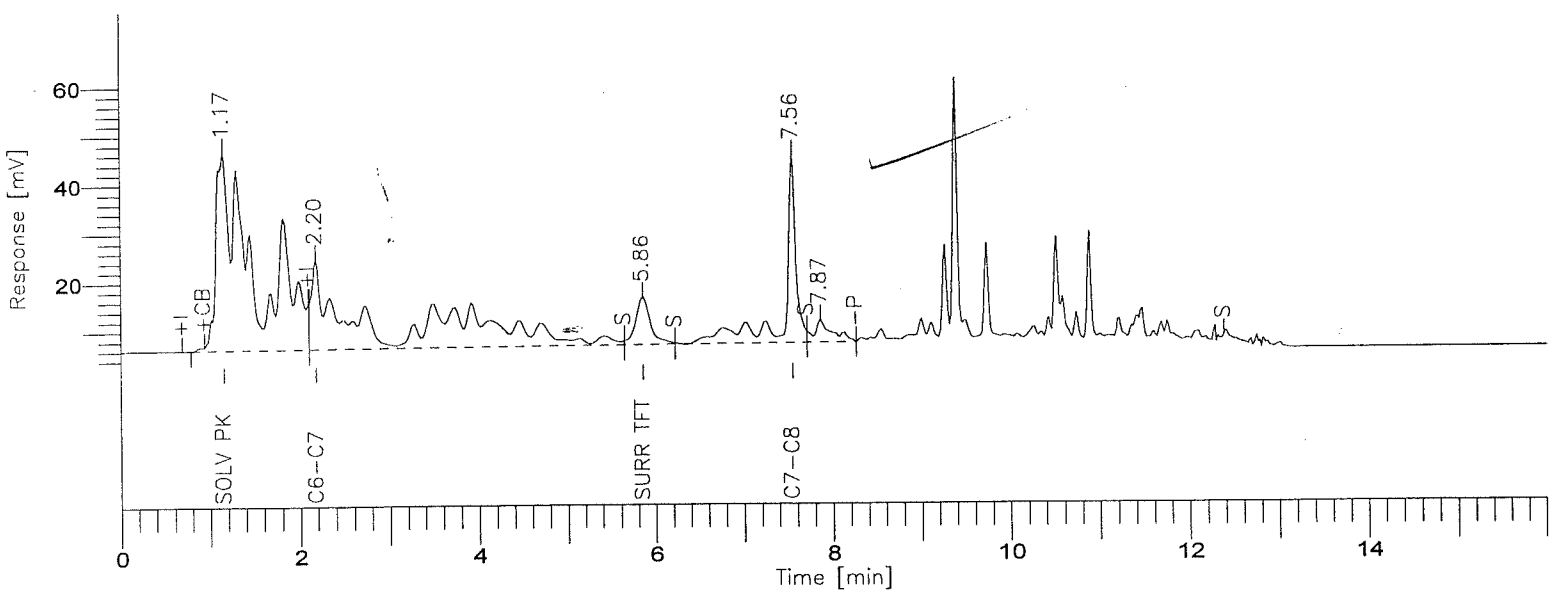
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 11:25 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A066.RAW
Result File : C:\TC4\GC15\O12A066.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A066.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000704

BOE-C6-0158251

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.86	SURR TFT	114446	0.0410	0.0400	2.6
7.55	GASOLINE RANGE	1230204	1.0862	1.0000	8.6
		1344650			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	884239	1.2571	0.0000	-----
7.55	C7-C8	345965	0.8132	0.0000	-----
		1230204			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A066.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
ɜrator :

Time : 10/16/00 01:27 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

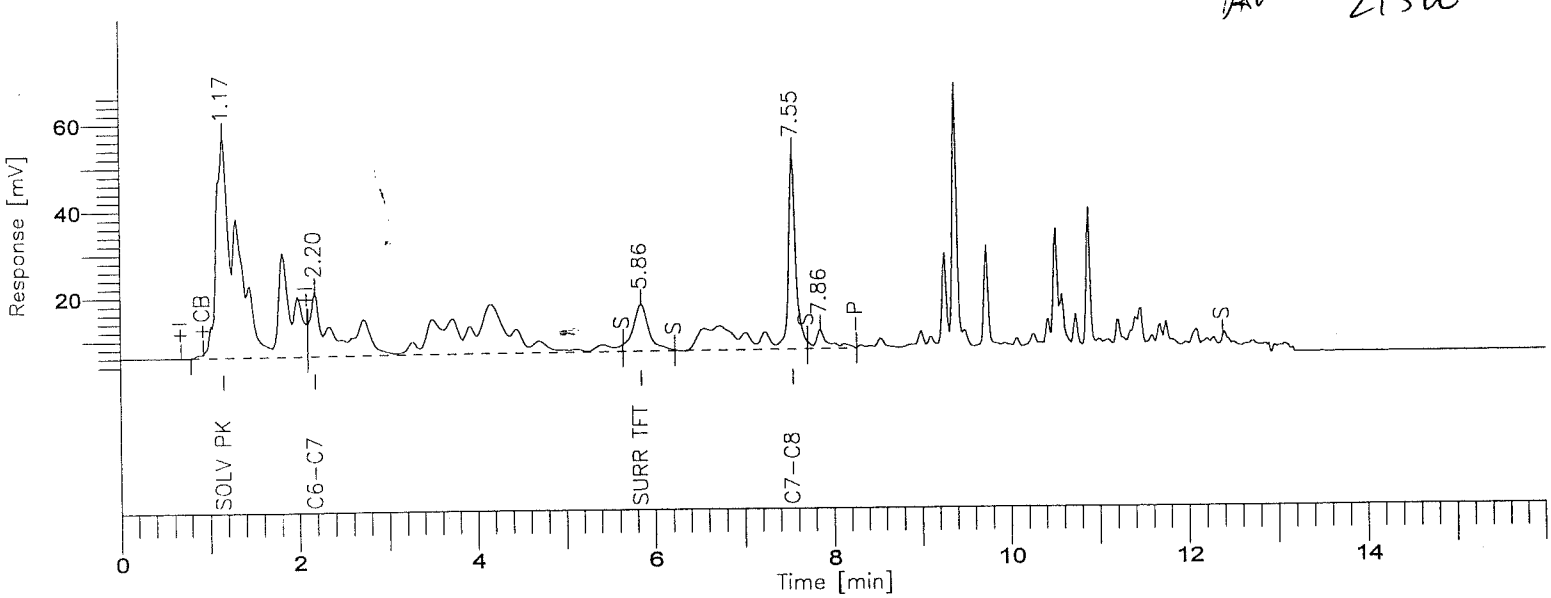
Interface Serial # : 0269512307 Data Acquisition Time: 10/14/00 06:04 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A080.RAW
Result File : C:\TC4\GC15\O12A080.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A080.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Ave % D 21%



8015B(TVPH)

GC-15/FID COLUMN: DB624

000706

BOE-C6-0158253

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.17	SOLV PK	1077116	12.3290	0.0000	-----
5.86	SURR TFT	135795	0.0473	0.0400	18.3
7.55	GASOLINE RANGE	1258170	1.1102	1.0000	11.0
		2471081			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	806833	1.1489	0.0000	-----
7.55	C7-C8	451336	1.0484	0.0000	-----
		1258170			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A080.TXO

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
Operator :

Time : 10/16/00 01:27 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

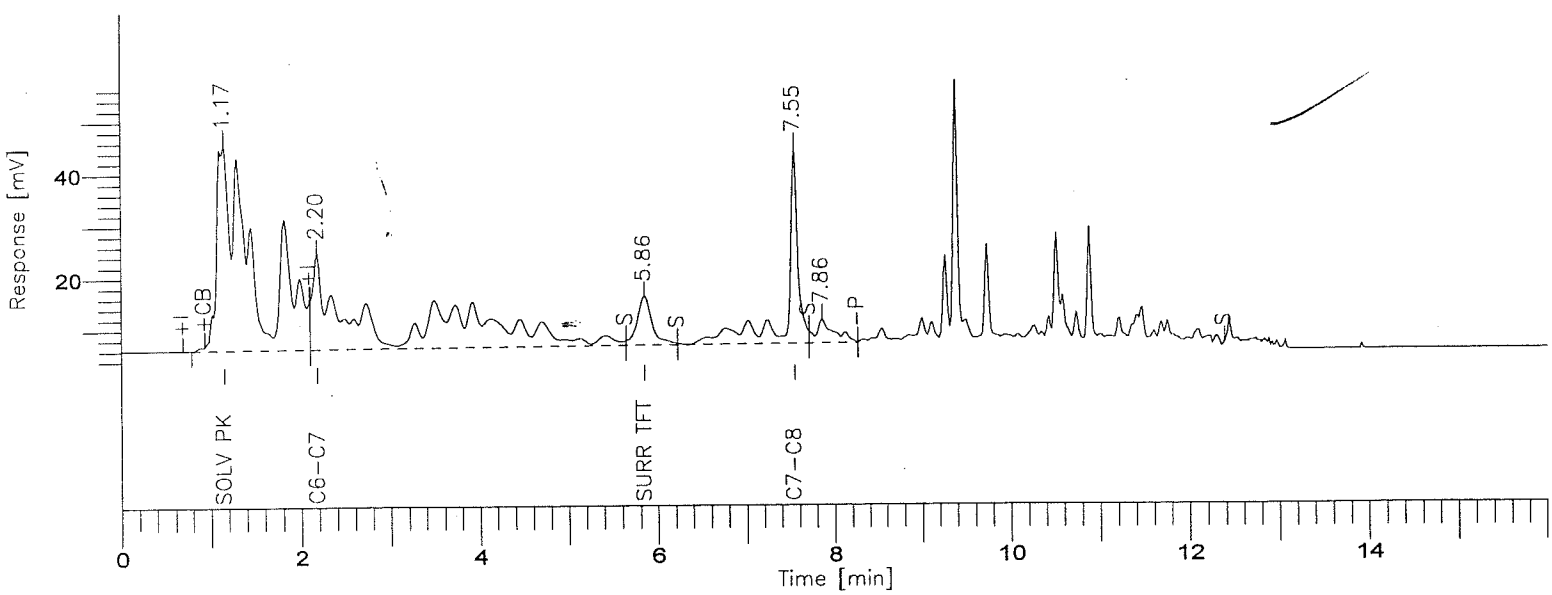
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/14/00 01:23 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A095.RAW
Result File : C:\TC4\GC15\O12A095.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A095.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.17	SOLV PK	1091773	12.4968	0.0000	-----
5.86	SURR TFT	112836	0.0405	0.0400	1.4
7.55	GASOLINE RANGE	1237508	1.0924	1.0000	9.2
		2442117			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	893360	1.2699	0.0000	-----
7.55	C7-C8	344148	0.8092	0.0000	-----
		1237508			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A095.TX0

Lot/Sample: E0J180000-382B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DNC4C-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 6:49 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A031
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:23:17
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number:
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1839	1	0.1	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1840	92		

Notes:

J Estimated result. Result is less than RL.

Software Version: 4.1<2F12>
Sample Name : BLK-S
Sample Number: BLK-S
Operator :

Time : 10/16/00 09:50 AM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

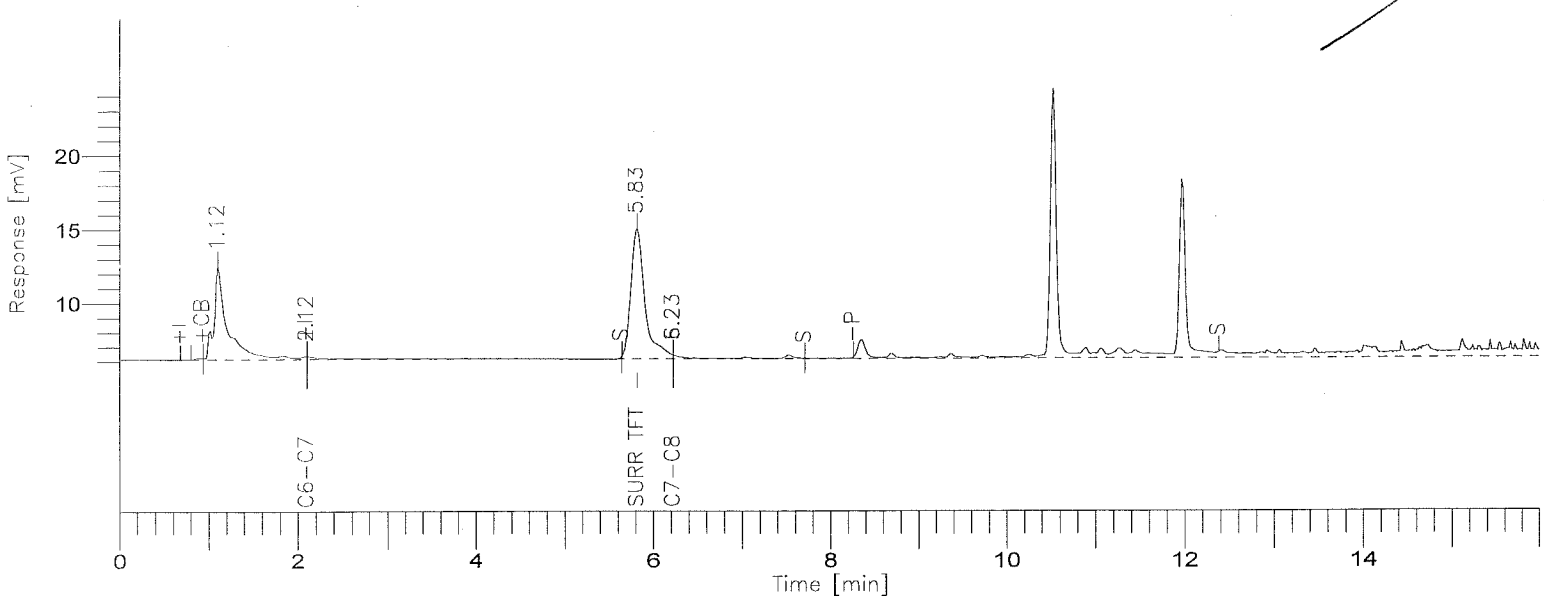
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 06:49 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A031.RAW
Result File : C:\TC4\GC15\O12A031.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A031.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000711

BOE-C6-0158258

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	100138	0.1840	92.0	0.00		0.0368
6.23	GASOLINE RANGE	9547	0.1839	-----	1.00		0.0368
		109685					0.0736

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.12	C6-C7	5114	0.1397	-----	0.00		0.0279
6.23	C7-C8	4433	0.2546	-----	0.00		0.0509
		9547					0.0789

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A031.TX0

Lot/Sample: E0J180000-382C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DNC4C-1-AC Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 6:20 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A030
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 14:35:31
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number:
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	5.4888	109.7	0		
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2373	118.65		

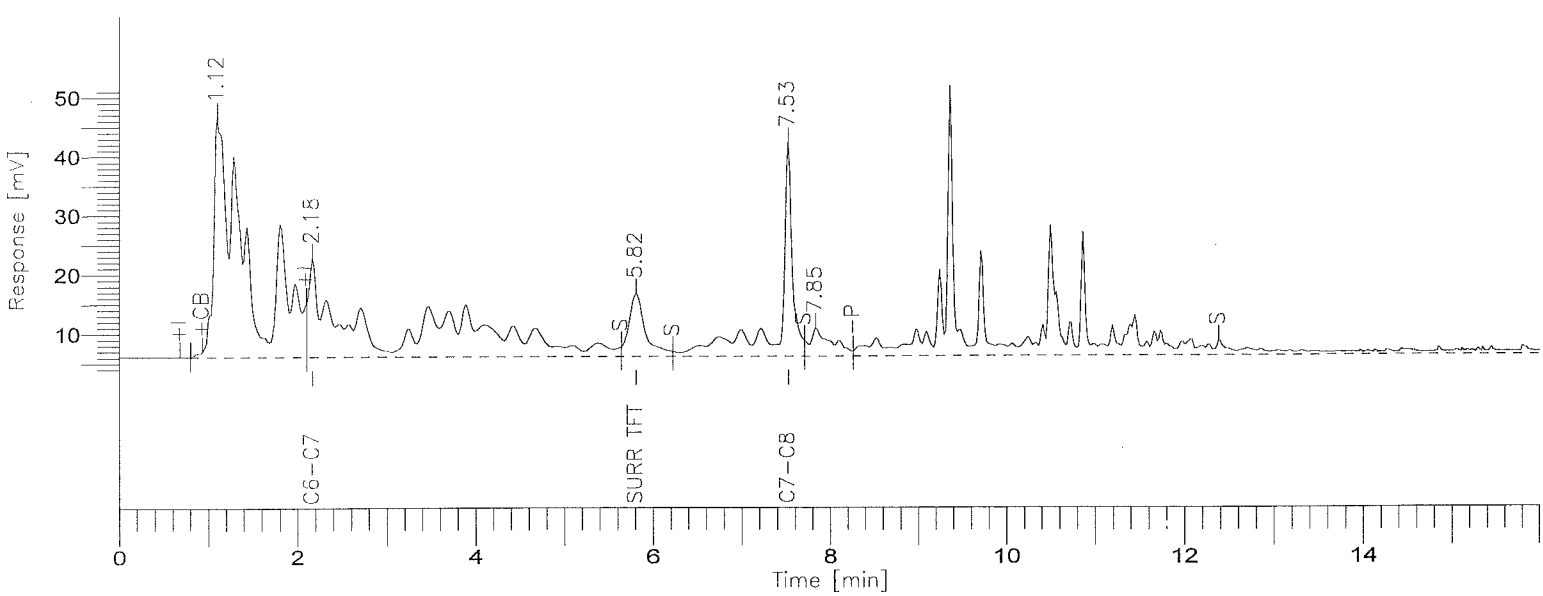
Software Version: 4.1<2F12>
Sample Name : LCSGAS-S Time : 10/16/00 09:50 AM
Sample Number: LCS-GAS Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 06:20 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A030.RAW
Result File : C:\TC4\GC15\O12A030.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A030.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000714

BOE-C6-0158261

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.82	SURR TFT	136241	0.2373	0.2000	118.6		0.0475
7.53	GASOLINE RANGE	1243707	5.4888	5.0000	109.8		1.0978
		1379948					1.1452

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.18	C6-C7	870552	6.1899	0.0000	-----		1.2380
7.53	C7-C8	373155	4.3696	0.0000	-----		0.8739
		1243707					2.1119

Report stored in ASCII file: C:\TC4\GC15\O12A030.TX0

Lot/Sample: E0J100272-001 C-2-113-5 TICs.....: N Report Results: Y
WO#.....: DLW5C-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 7:17 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A032
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:23:32
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1742 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1840	92		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

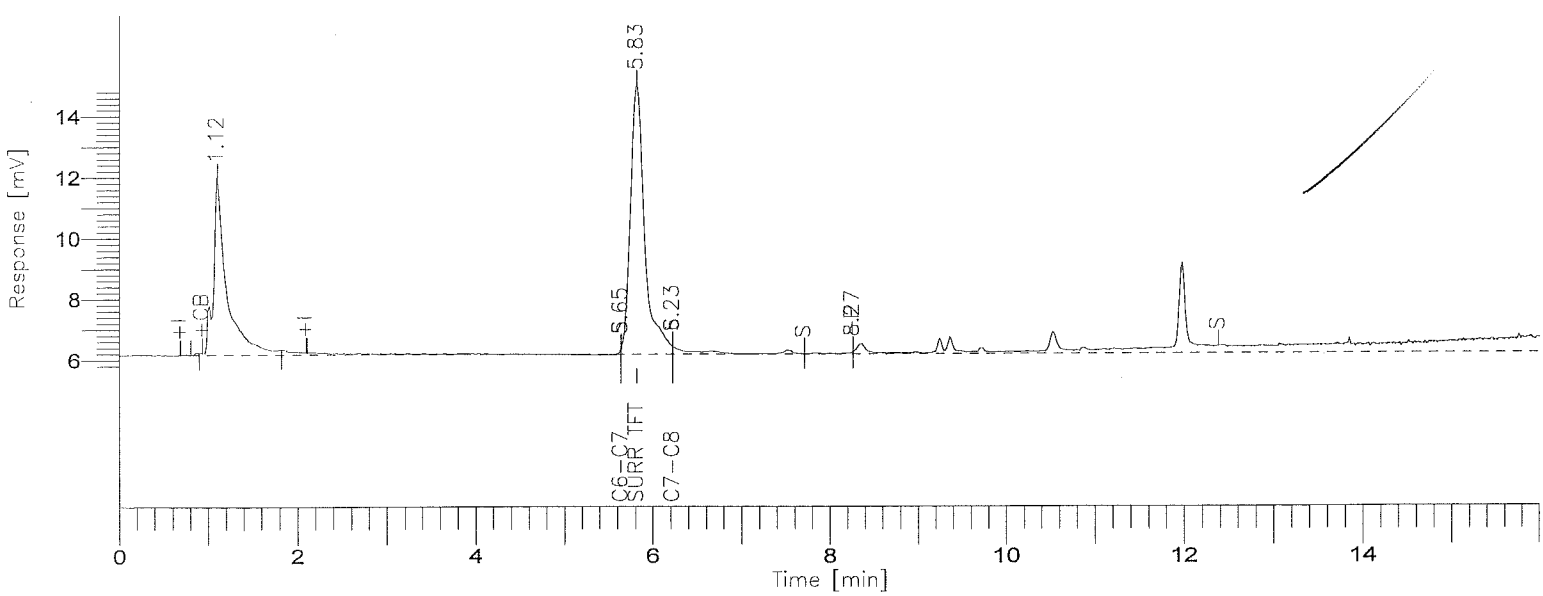
Software Version: 4.1<2F12>
Sample Name : J100272-1 Time : 10/16/00 09:50 AM
Sample Number: 272-1 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 07:17 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A032.RAW
Result File : C:\TC4\GC15\O12A032.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A032.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000717

BOE-C6-0158264

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	100158	0.1840	92.0	0.00		0.0368
6.23	GASOLINE RANGE	7290	0.1742	-----	1.00		0.0348
		107448					0.0716

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	3249	0.1266	-----	0.00		0.0253
6.23	C7-C8	4041	0.2502	-----	0.00		0.0500
		7290					0.0754

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A032.TX0

Lot/Sample: E0J100272-003 C-2-115-1' TICs.....: N Report Results: Y
WO#.....: DLW5M-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 7:46 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A033
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:23:47
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1693 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1864	93.2		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

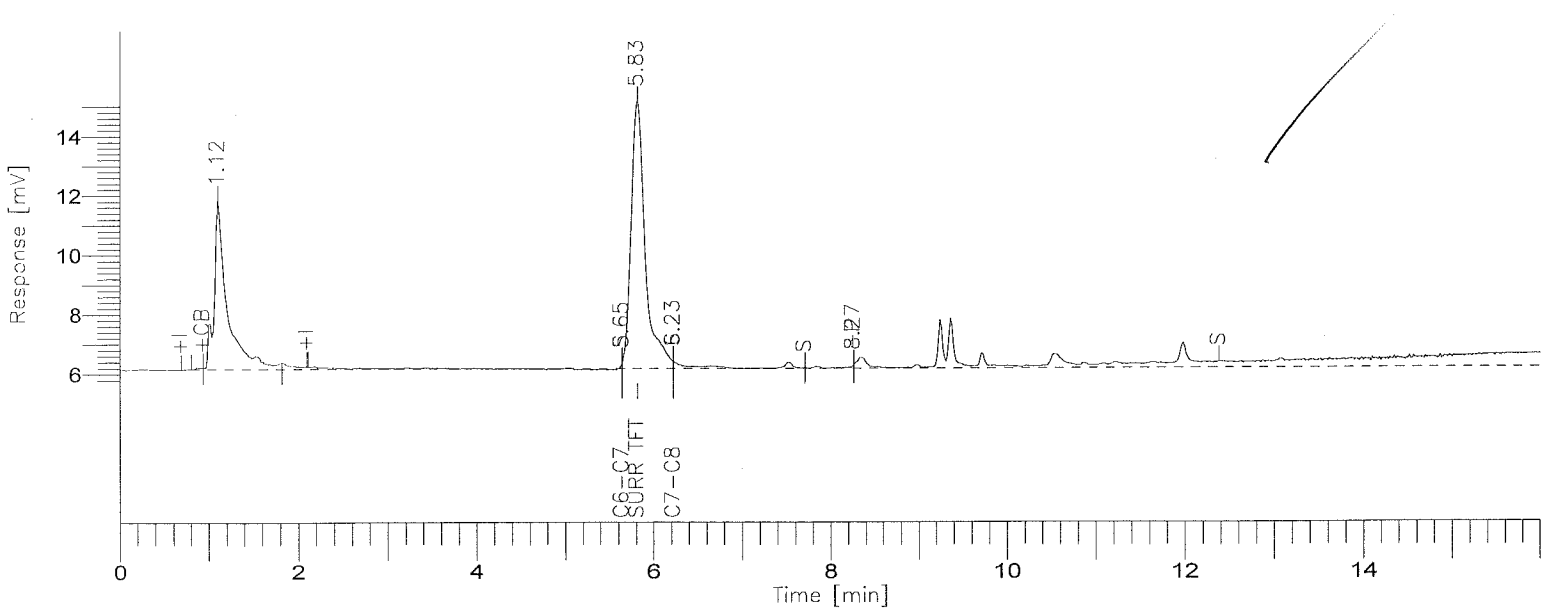
Software Version: 4.1<2F12>
Sample Name : J100272-3 Time : 10/16/00 09:50 AM
Sample Number: 272-3 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 07:46 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A033.RAW
Result File : C:\TC4\GC15\O12A033.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A033.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	101773	0.1864	93.2	0.00		0.0373
6.23	GASOLINE RANGE	6132	0.1693	-----	1.00		0.0339
		107905					0.0711

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	1875	0.1170	-----	0.00		0.0234
6.23	C7-C8	4257	0.2526	-----	0.00		0.0505
		6132					0.0739

Report stored in ASCII file: C:\TC4\GC15\O12A033.TX0

Lot/Sample: E0J100272-004 C-2-115-5 TICs.....: N Report Results: Y
WO#.....: DLW5N-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 8:14 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A034
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:42:45
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1832 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1912	95.6		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

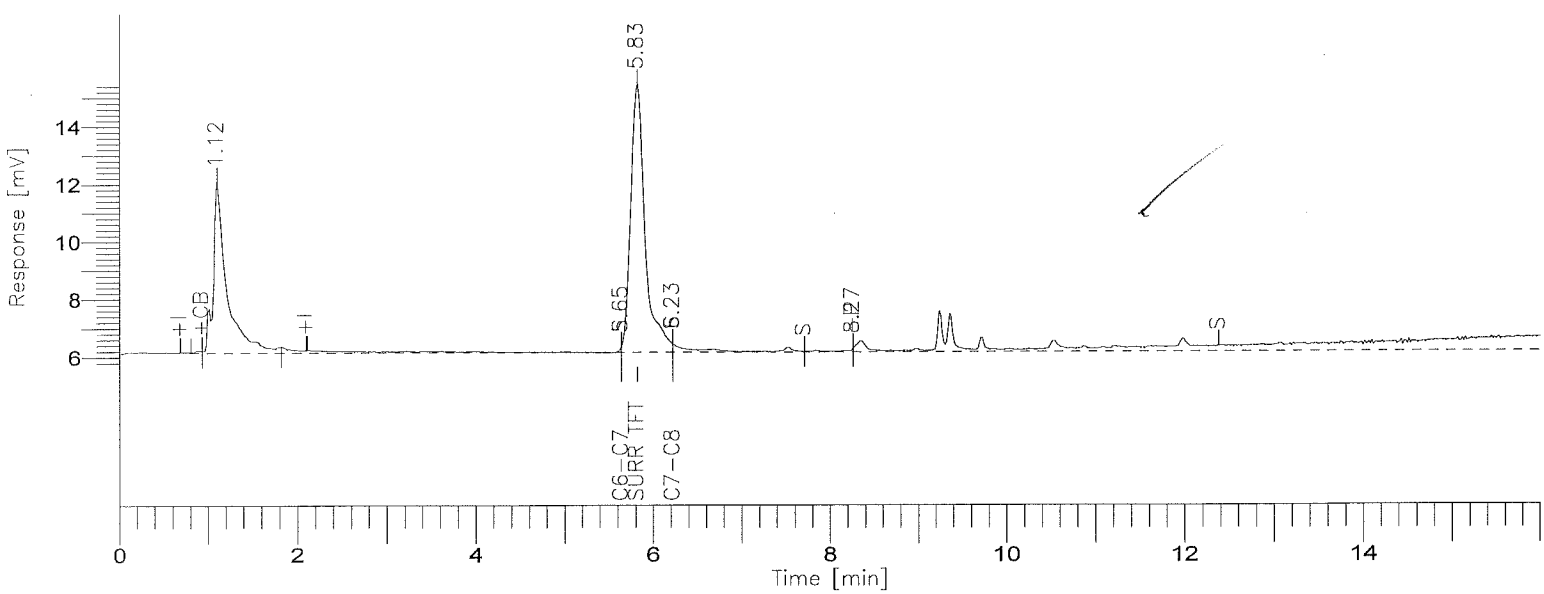
Software Version: 4.1<2F12>
Sample Name : J100272-4 Time : 10/18/00 03:36 PM
Sample Number: 272-4 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 08:14 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A034.RAW
Result File : C:\TC4\GC15\O12A034.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A034.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000723

BOE-C6-0158270

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	105062	0.1912	95.6	0.00		0.0382
6.23	GASOLINE RANGE	9367	0.1832	-----	1.00		0.0366
		114429					0.0749

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	4576	0.1359	-----	0.00		0.0272
6.23	C7-C8	4791	0.2586	-----	0.00		0.0517
		9367					0.0789

Report stored in ASCII file: C:\TC4\GC15\O12A034.TX0

Lot/Sample: E0J100272-008 C-2-116-5' TICs.....: N Report Results: Y
WO#.....: DLW60-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 8:42 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A035
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:24:33
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1750 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1517	75.85		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

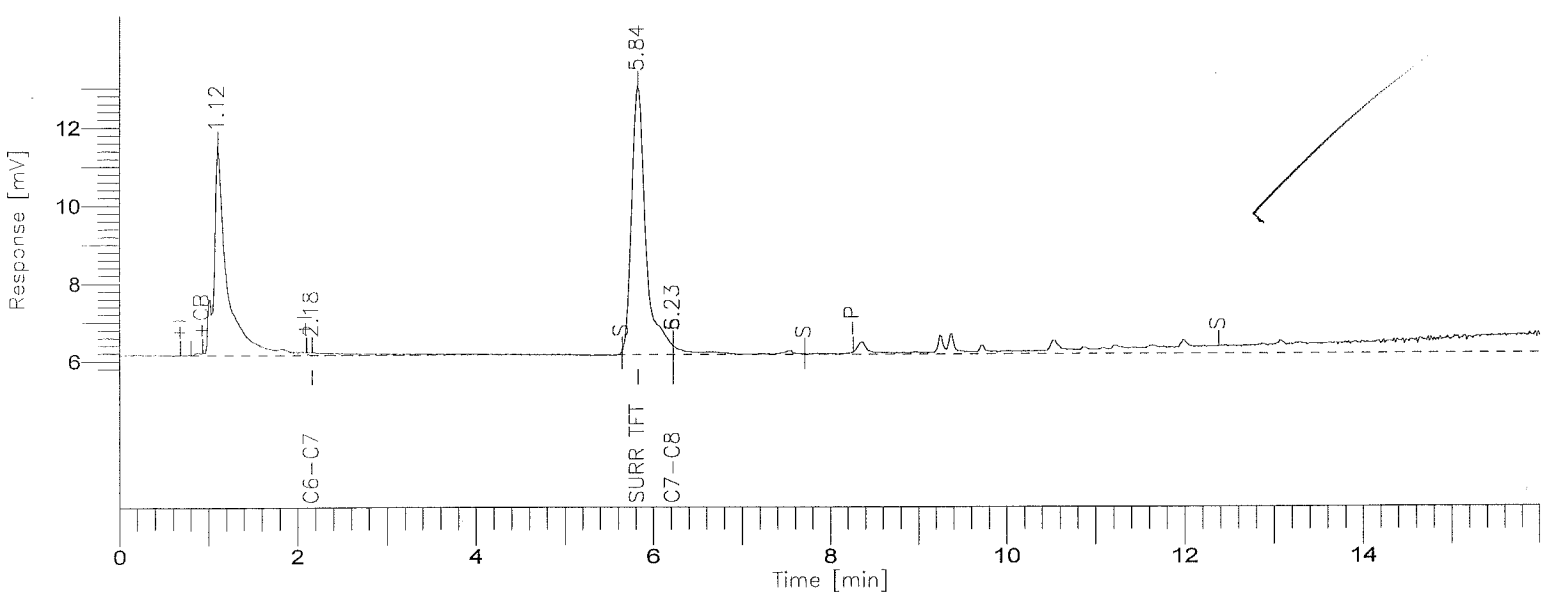
Software Version: 4.1<2F12>
Sample Name : J100272-8 Time : 10/16/00 09:50 AM
Sample Number: 272-8 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 08:42 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A035.RAW
Result File : C:\TC4\GC15\O12A035.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A035.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.84	SURR TFT	78249	0.1517	75.8	0.00		0.0303
6.23	GASOLINE RANGE	7478	0.1750	-----	1.00		0.0350
		85727					0.0653

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.18	C6-C7	3947	0.1315	-----	0.00		0.0263
6.23	C7-C8	3531	0.2445	-----	0.00		0.0489
		7478					0.0752

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A035.TX0

Lot/Sample: E0J100272-009 C-2-116-10 TICs.....: N Report Results: Y
WO#.....: DLW62-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 9:11 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A036
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:24:48
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1591 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1917	95.85		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

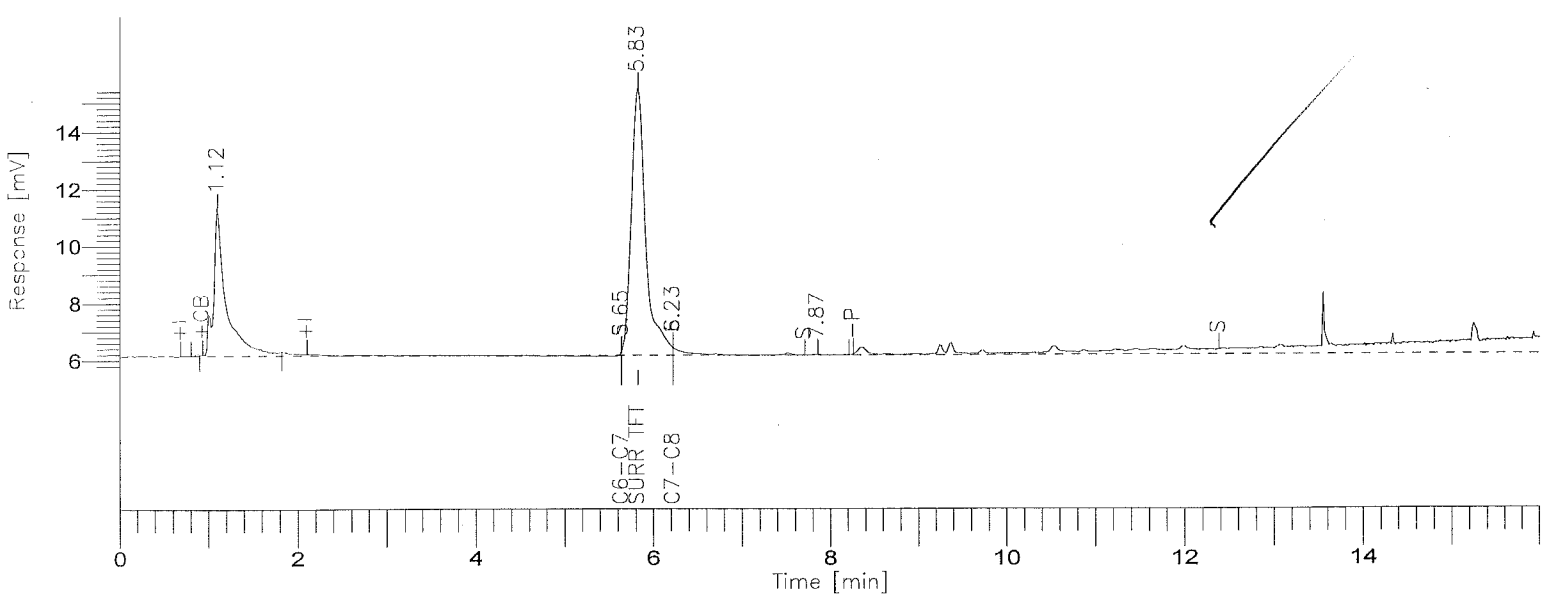
Software Version: 4.1<2F12>
Sample Name : J100272-9 Time : 10/16/00 09:51 AM
Sample Number: 272-9 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 09:11 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A036.RAW
Result File : C:\TC4\GC15\O12A036.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A036.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000729

BOE-C6-0158276

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	105383	0.1917	95.9	0.00		0.0383
6.23	GASOLINE RANGE	3769	0.1591	-----	1.00		0.0318
		109152					0.0702

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	1647	0.1154	-----	0.00		0.0231
6.23	C7-C8	2122	0.2288	-----	0.00		0.0458
		3769					0.0688

Report stored in ASCII file: C:\TC4\GC15\O12A036.TX0

Lot/Sample: E0J100272-010 C-66-12 TICs.....: N Report Results: Y
WO#.....: DLW63-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 9:39 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A037
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:24:59
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1557 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1705	85.25		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

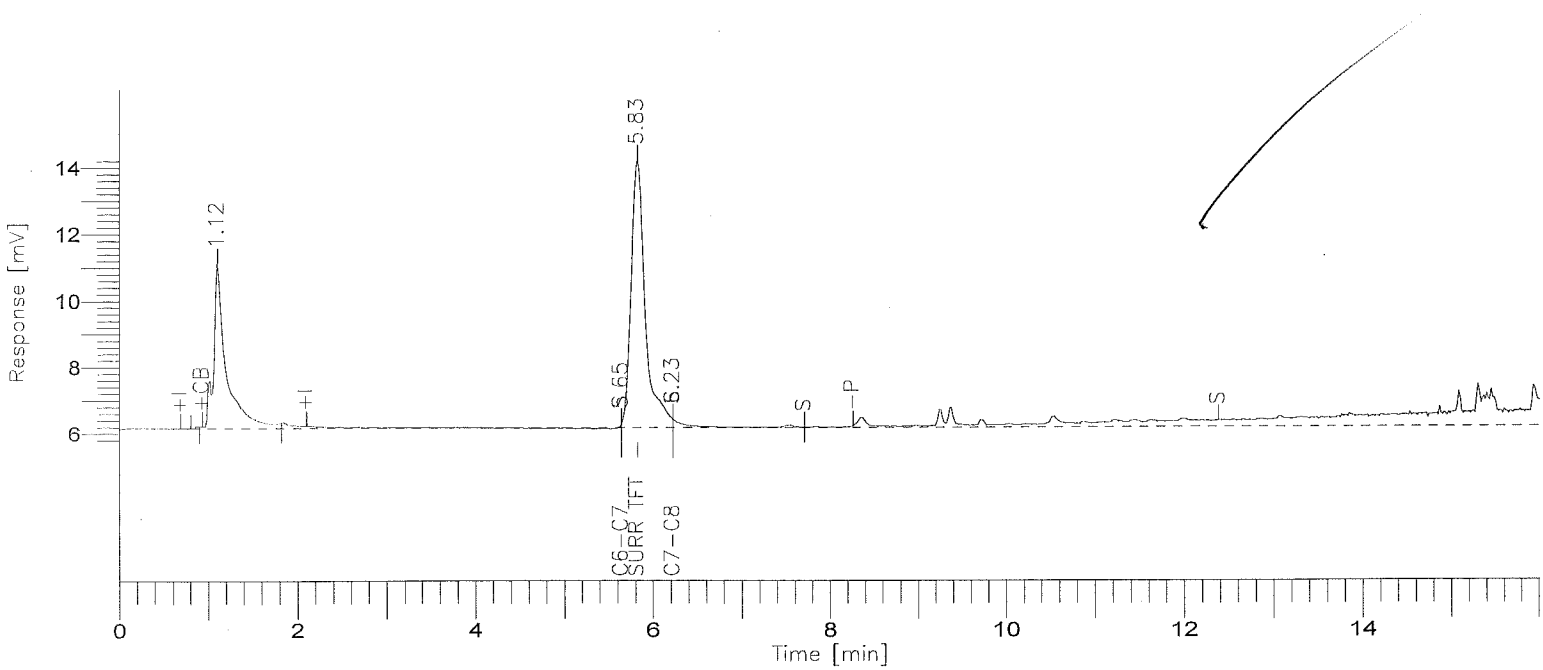
Software Version: 4.1<2F12>
Sample Name : J100272-10 Time : 10/16/00 09:51 AM
Sample Number: 272-10 Study :
erator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 09:39 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A037.RAW
Result File : C:\TC4\GC15\O12A037.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A037.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000732

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	91016	0.1705	85.3	0.00		0.0341
6.23	GASOLINE RANGE	2968	0.1557	-----	1.00		0.0311
		93984					0.0652

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	456	0.1071	-----	0.00		0.0214
6.23	C7-C8	2512	0.2331	-----	0.00		0.0466
		2968					0.0681

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A037.TX0

Lot/Sample: E0J100272-011 C-2-116-15' TICs.....: N Report Results: Y
WO#.....: DLW65-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 10:08 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A038
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:25:12
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1729 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1833	91.65		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

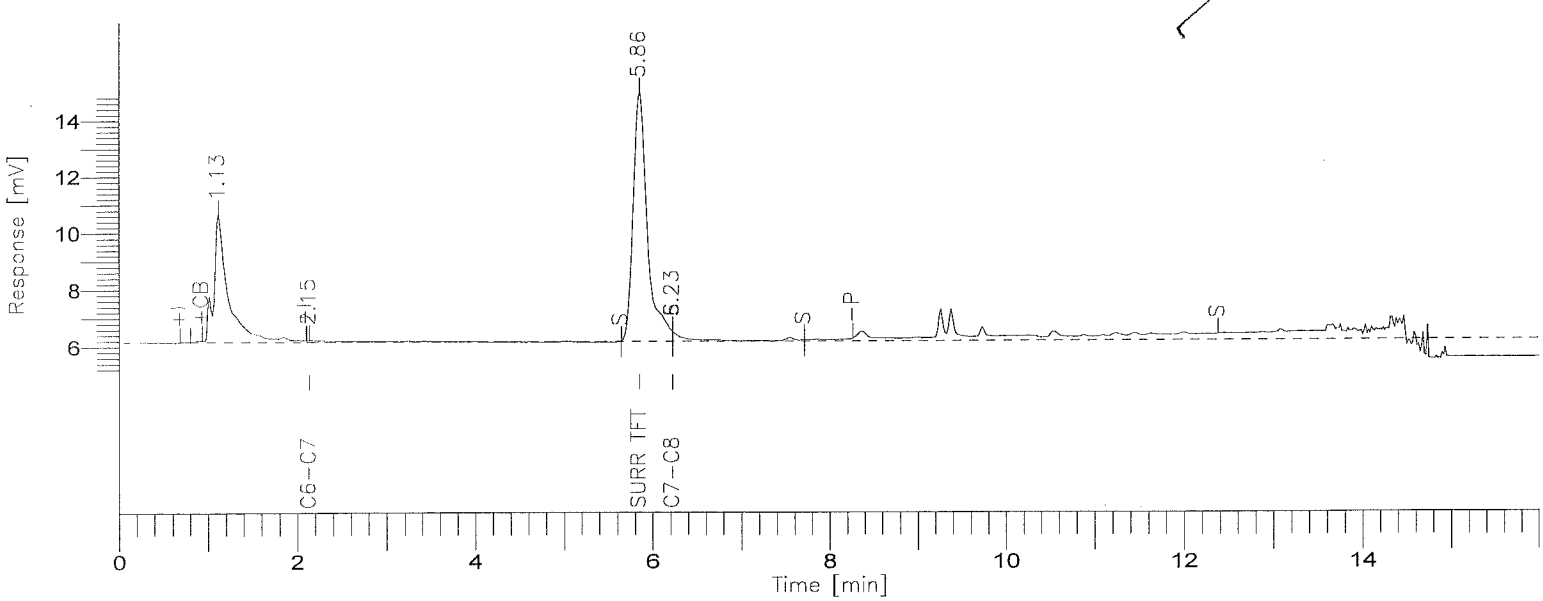
Software Version: 4.1<2F12>
Sample Name : J100272-11 Time : 10/16/00 09:51 AM
Sample Number: 272-11 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 10:08 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A038.RAW
Result File : C:\TC4\GC15\O12A038.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A038.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000735

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.86	SURR TFT	99711	0.1833	91.7	0.00		0.0367
6.23	GASOLINE RANGE	6992	0.1729	-----	1.00		0.0346
		106703					0.0713

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.15	C6-C7	2498	0.1214	-----	0.00		0.0243
6.23	C7-C8	4494	0.2553	-----	0.00		0.0511
		6992					0.0753

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A038.TX0

Lot/Sample: E0J100272-012 C-66-12-5'' TICs.....: N Report Results: Y
WO#.....: DLW69-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 10:37 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A039
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:25:22
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1680 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1714	85.7		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

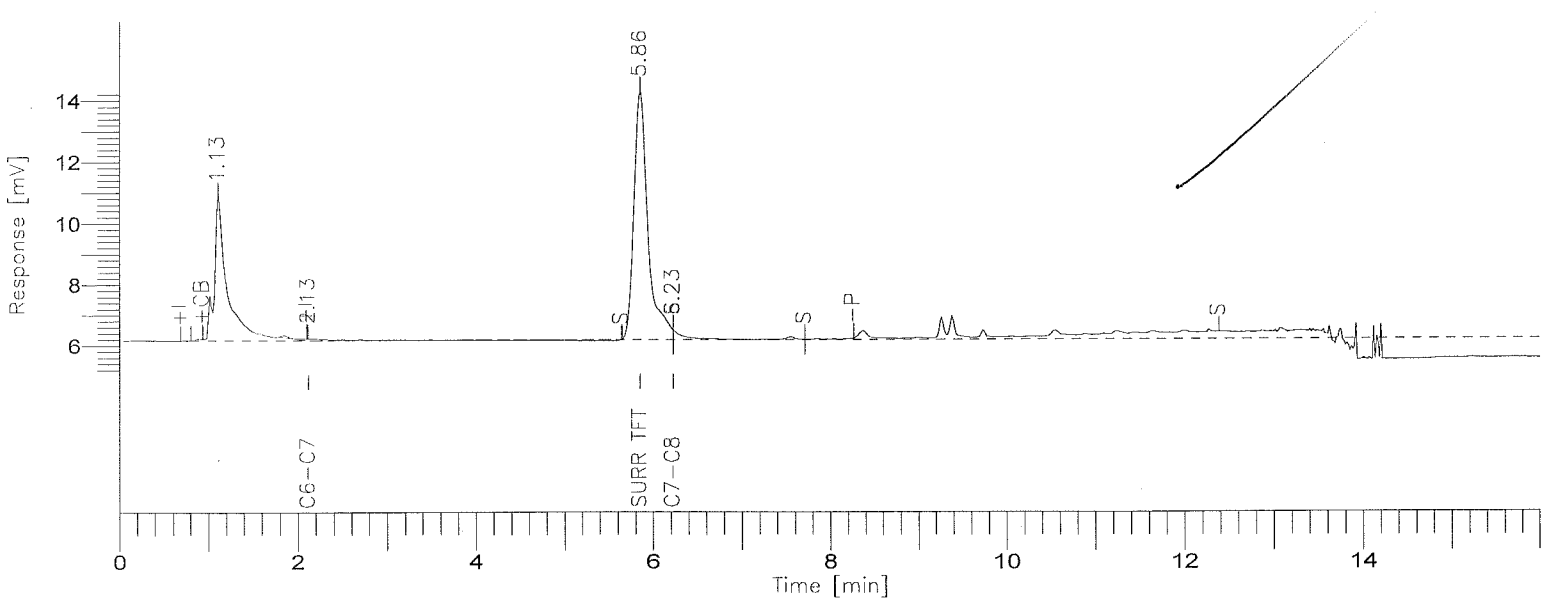
Software Version: 4.1<2F12>
Sample Name : J100272-12 Time : 10/16/00 09:51 AM
Sample Number: 272-12 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 10:37 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A039.RAW
Result File : C:\TC4\GC15\O12A039.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A039.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.86	SURR TFT	91654	0.1714	85.7	0.00		0.0343
6.23	GASOLINE RANGE	5840	0.1680	-----	1.00		0.0336
		97494					0.0679

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.13	C6-C7	2421	0.1208	-----	0.00		0.0242
6.23	C7-C8	3419	0.2433	-----	0.00		0.0487
		5840					0.0728

Report stored in ASCII file: C:\TC4\GC15\O12A039.TX0

Lot/Sample: E0J100272-013 C-66-8-1' TICs.....: N Report Results: Y
WO#.....: DLW6C-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 11:05 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A040
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:25:38
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1839 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1697	84.85		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

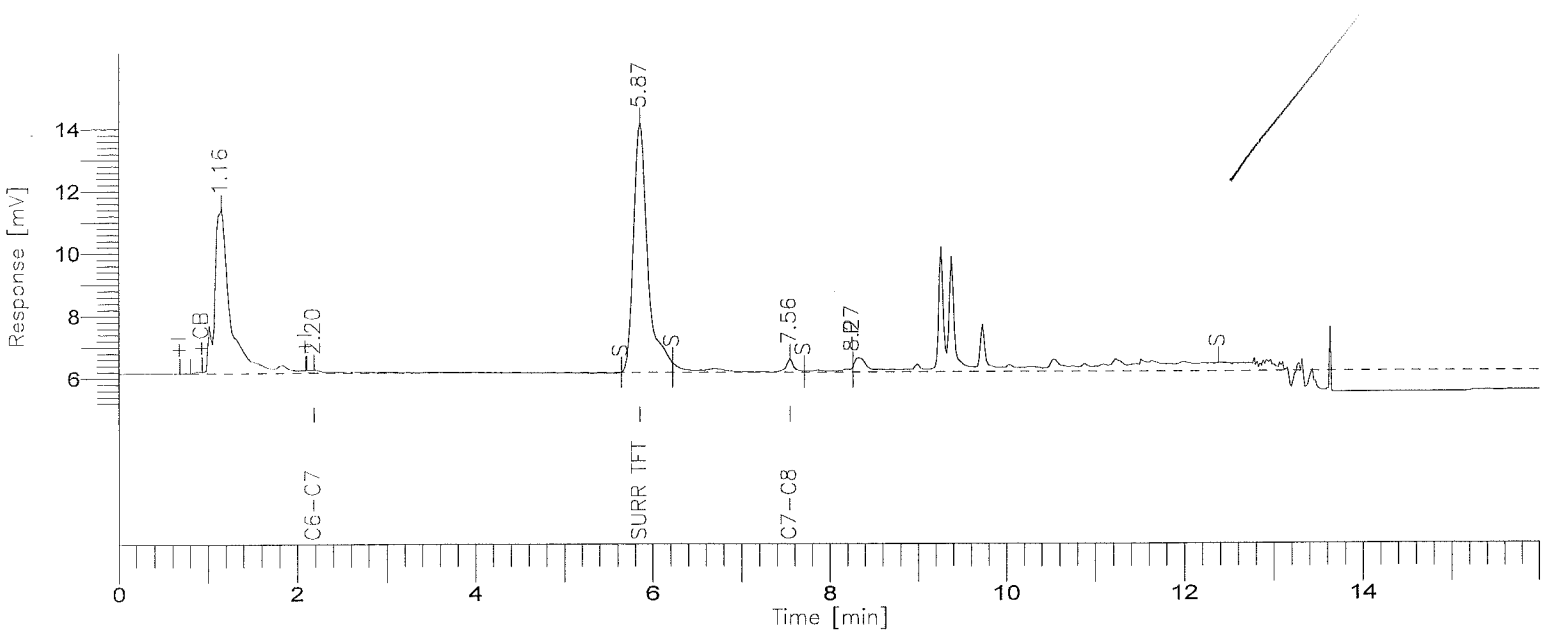
Software Version: 4.1<2F12>
Sample Name : J100272-13 Time : 10/16/00 09:51 AM
Sample Number: 272-13 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 11:05 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A040.RAW
Result File : C:\TC4\GC15\O12A040.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A040.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000741

BOE-C6-0158288

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.87	SURR TFT	90452	0.1697	84.8	0.00		0.0339
7.56	GASOLINE RANGE	9538	0.1839	-----	1.00		0.0368
		99990					0.0707

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.20	C6-C7	3355	0.1274	-----	0.00		0.0255
7.56	C7-C8	6183	0.2741	-----	0.00		0.0548
		9538					0.0803

SCL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A040.TX0

Lot/Sample: E0J100272-014 C-66-8-5' TICs.....: N Report Results: Y
WO#.....: DLW6D-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 11:34 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A041
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:25:49
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1767 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1638	81.9		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

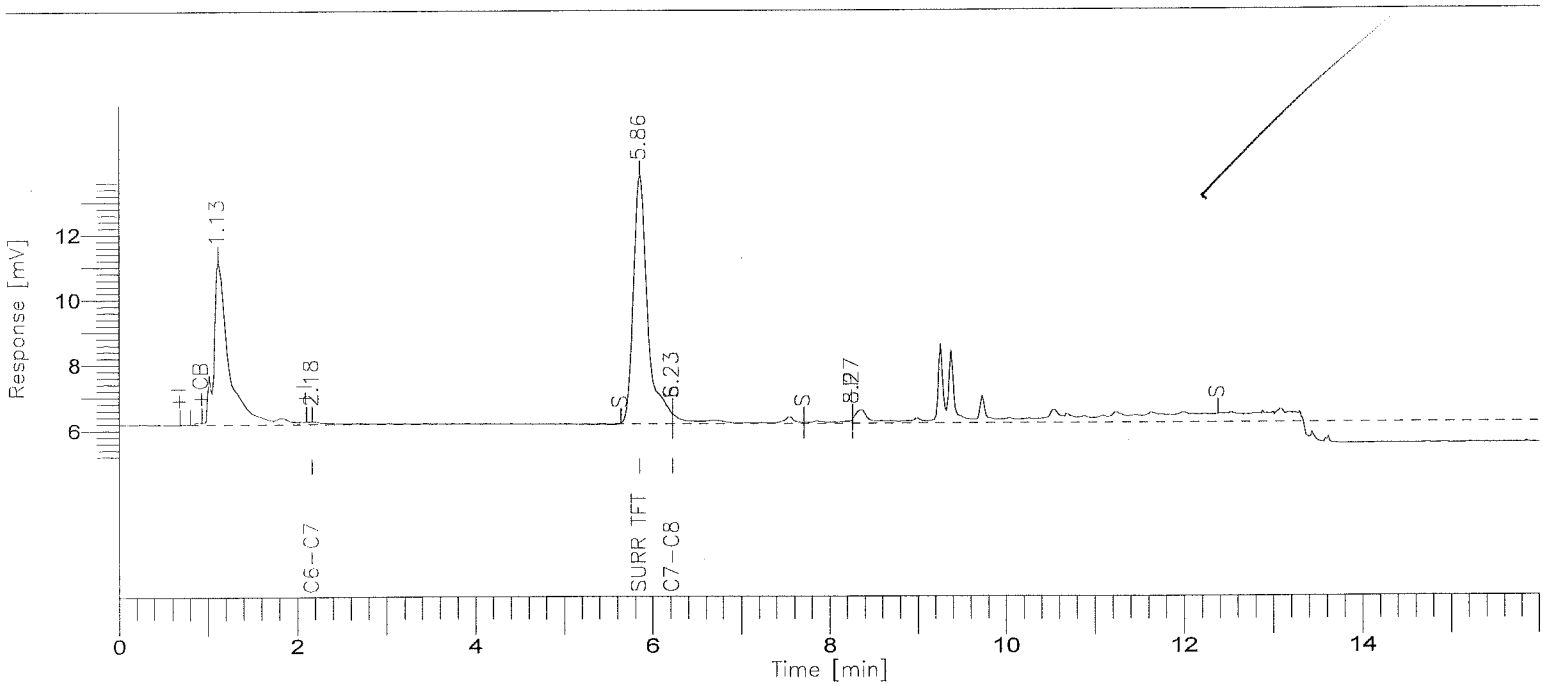
Software Version: 4.1<2F12>
Sample Name : J100272-14 Time : 10/16/00 09:51 AM
Sample Number: 272-14 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 11:34 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A041.RAW
Result File : C:\TC4\GC15\O12A041.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A041.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000744

BOE-C6-0158291

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.86	SURR TFT	86481	0.1638	81.9	0.00		0.0328
6.23	GASOLINE RANGE	7875	0.1767	-----	1.00		0.0353
		94356					0.0681

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.18	C6-C7	2633	0.1223	-----	0.00		0.0245
6.23	C7-C8	5242	0.2636	-----	0.00		0.0527
		7875					0.0772

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A041.TX0

Lot/Sample: E0J100272-015 C-2-120-1' TICs.....: N Report Results: Y
WO#.....: DLW6E-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 12:59 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A044
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:25:59
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1711 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1781	89.05		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

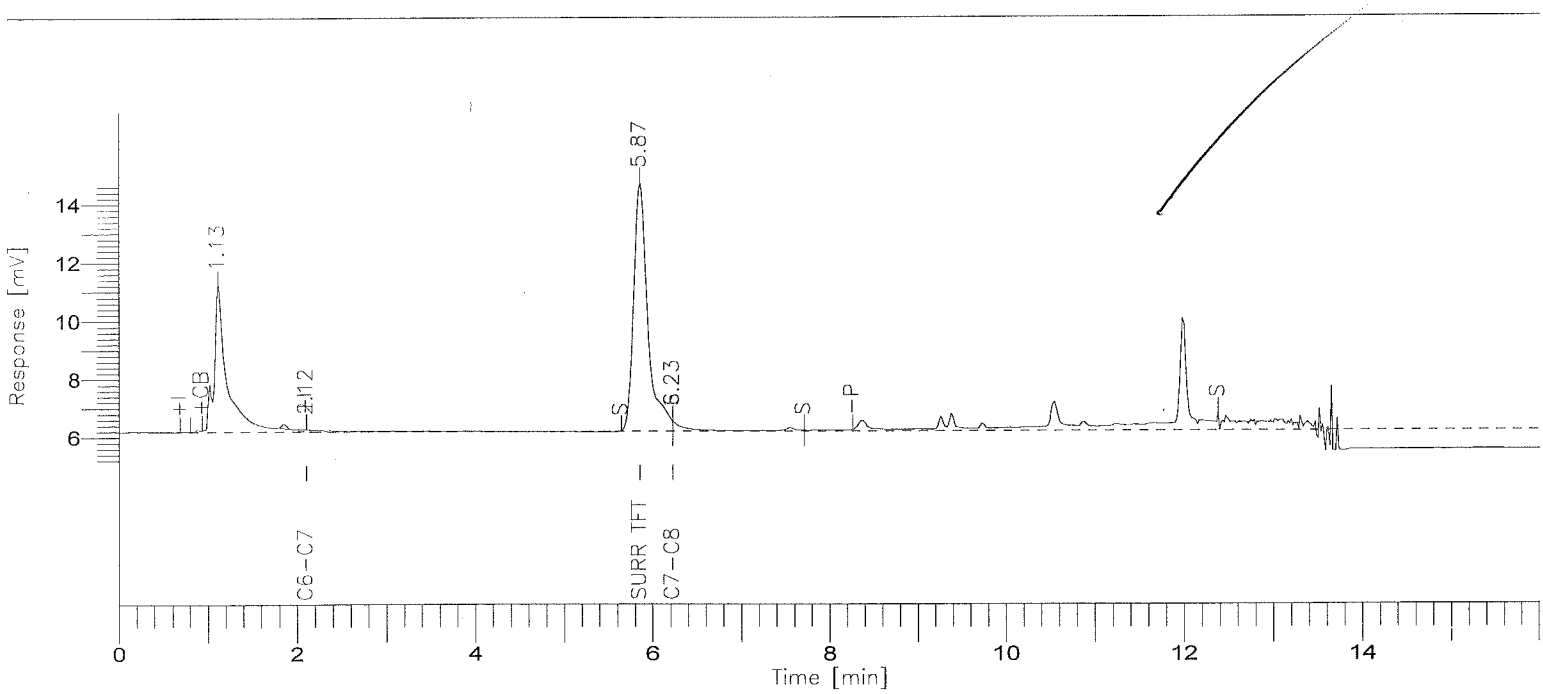
Software Version: 4.1<2F12>
Sample Name : J100272-15 Time : 10/16/00 09:51 AM
Sample Number: 272-15 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 12:59 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A044.RAW
Result File : C:\TC4\GC15\O12A044.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A044.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.87	SURR TFT	96141	0.1781	89.0	0.00		0.0356
6.23	GASOLINE RANGE	6560	0.1711	-----	1.00		0.0342
		102701					0.0698

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.12	C6-C7	3183	0.1262	-----	0.00		0.0252
6.23	C7-C8	3377	0.2428	-----	0.00		0.0486
		6560					0.0738

- LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A044.TX0

Lot/Sample: E0J100272-016 C-2-120-5' TICs.....: N Report Results: Y
WO#.....: DLW6F-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 13:28 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A045
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:26:18
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1565 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1798	89.9		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

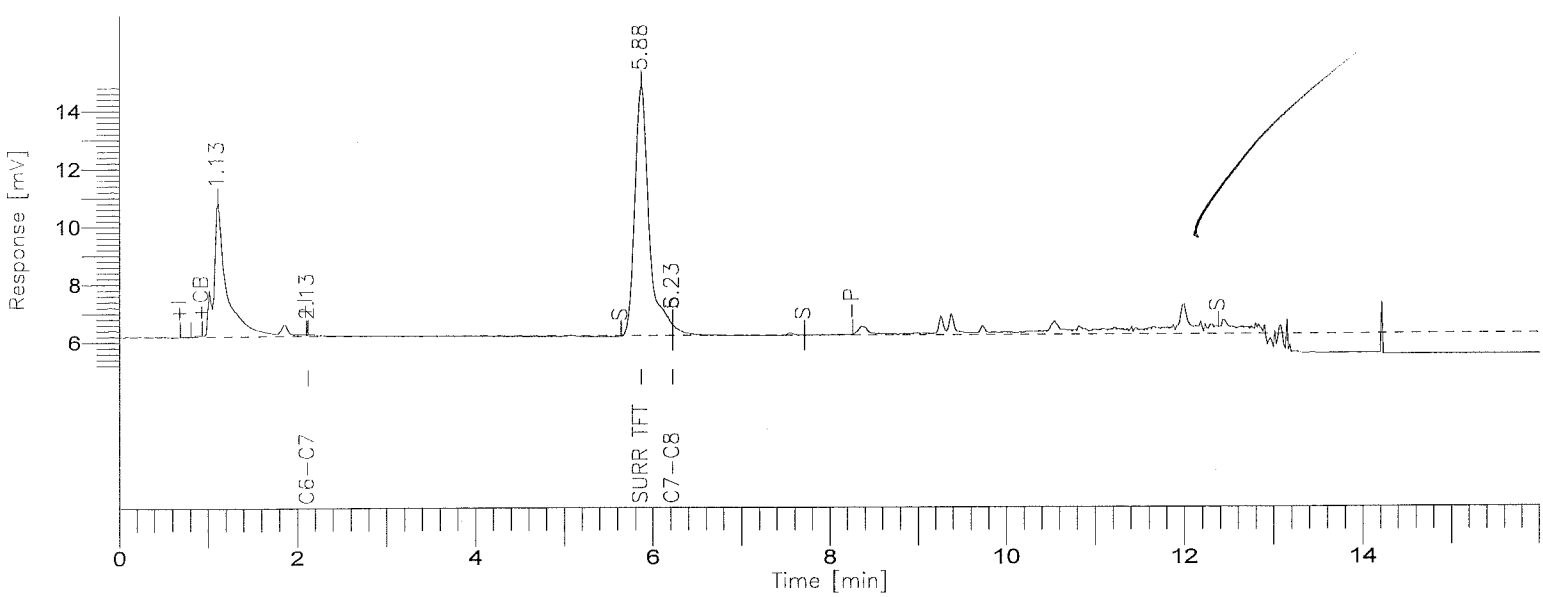
Software Version: 4.1<2F12>
Sample Name : J100272-16 Time : 10/16/00 09:51 AM
Sample Number: 272-16 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 01:28 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A045.RAW
Result File : C:\TC4\GC15\O12A045.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A045.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.88	SURR TFT	97287	0.1798	89.9	0.00		0.0360
6.23	GASOLINE RANGE	3163	0.1565	-----	1.00		0.0313
		100450					0.0673

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.13	C6-C7	1168	0.1121	-----	0.00		0.0224
6.23	C7-C8	1995	0.2274	-----	0.00		0.0455
		3163					0.0679

Report stored in ASCII file: C:\TC4\GC15\O12A045.TX0

Lot/Sample: E0J100272-017 C-2-125-1 TICs.....: N Report Results: Y
WO#.....: DLW6G-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 13:56 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A046
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:43:42
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1745 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1775	88.75		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

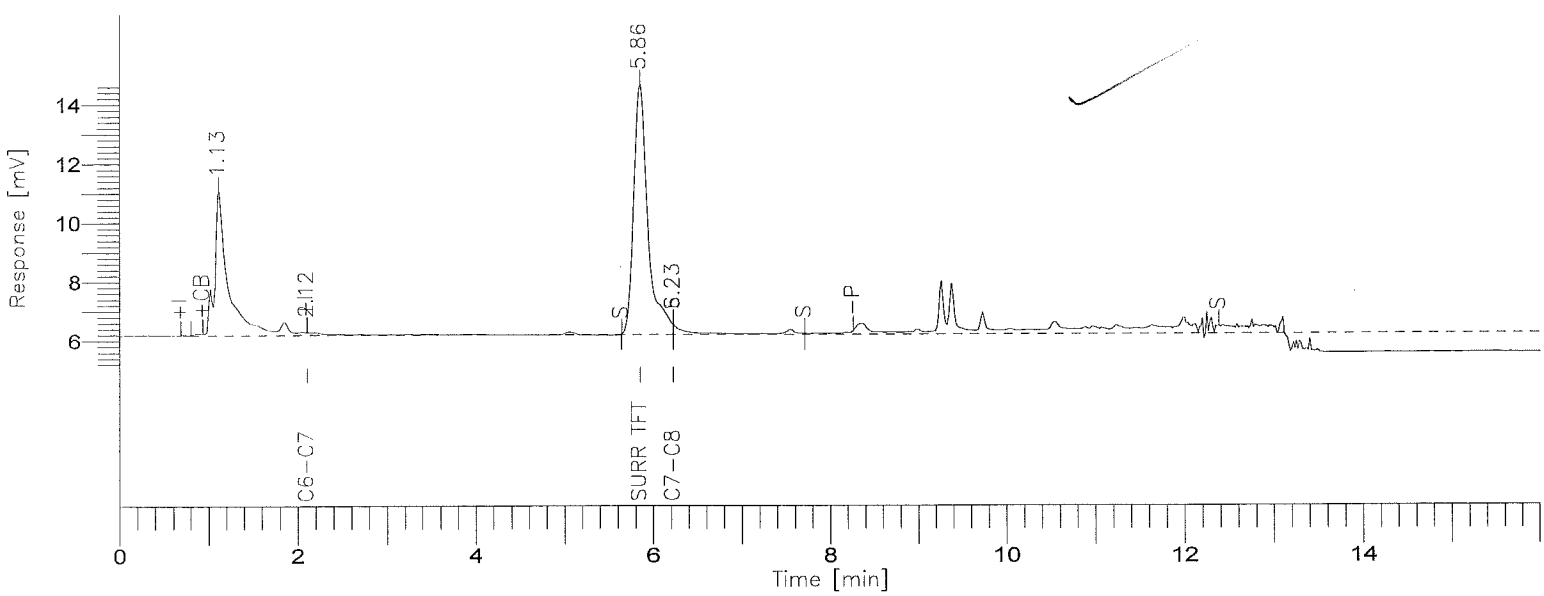
Software Version: 4.1<2F12>
Sample Name : J100272-17 Time : 10/18/00 03:35 PM
Sample Number: 272-17 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 01:56 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A046.RAW
Result File : C:\TC4\GC15\O12A046.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A046.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000753

BOE-C6-0158300

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.86	SURR TFT	95821	0.0355	88.8	0.00		0.0355
6.23	GASOLINE RANGE	7338	0.0349	-----	1.00		0.0349
		103159					0.0704

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.12	C6-C7	3355	0.0255	-----	0.00		0.0255
6.23	C7-C8	3983	0.0499	-----	0.00		0.0499
		7338					0.0754

- LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A046.TX0

Lot/Sample: E0J100272-018 C-2-125-5 TICs.....: N Report Results: Y
WO#.....: DLW6J-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 14:25 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12AA047
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:27:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1713 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1843	92.15		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

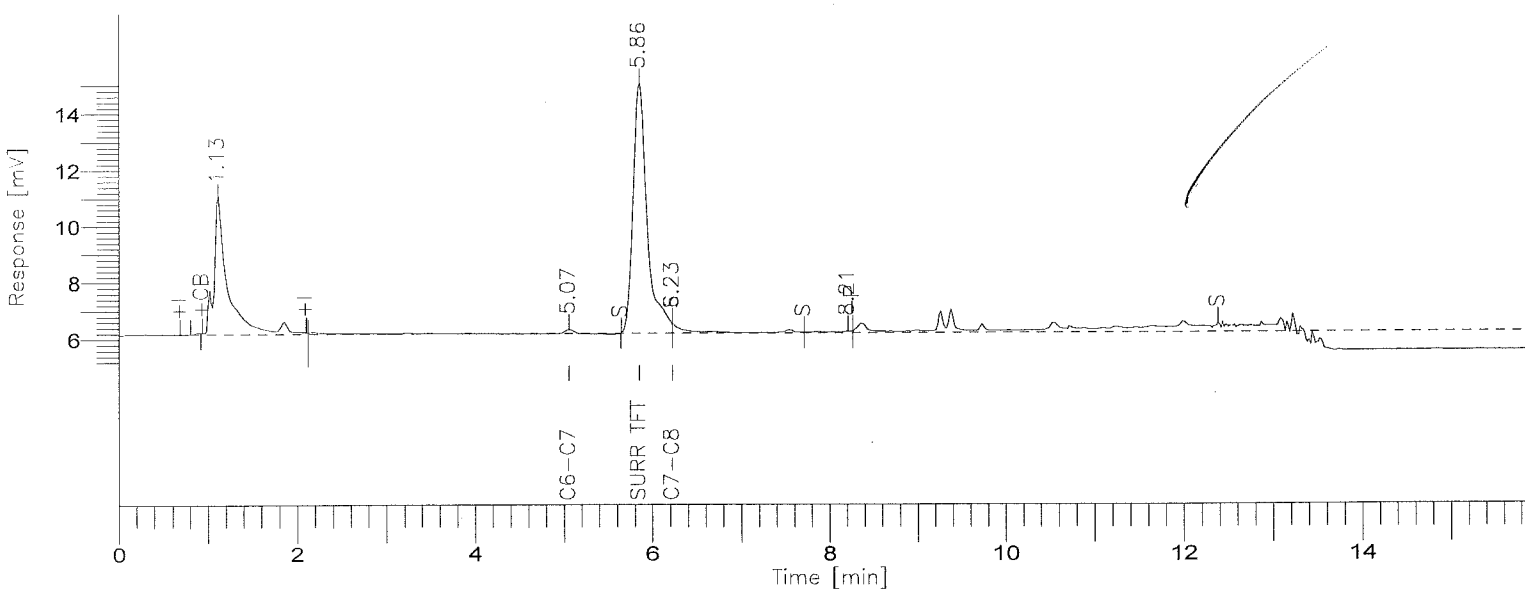
Software Version: 4.1<2F12>
Sample Name : J100272-18 Time : 10/16/00 09:51 AM
Sample Number: 272-18 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 02:25 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A047.RAW
Result File : C:\TC4\GC15\O12A047.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A047.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.86	SURR TFT	100386	0.1843	92.2	0.00		0.0369
6.23	GASOLINE RANGE	6597	0.1713	-----	1.00		0.0343
		106983					0.0711

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.07	C6-C7	2193	0.1193	-----	0.00		0.0239
6.23	C7-C8	4404	0.2543	-----	0.00		0.0509
		6597					0.0747

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A047.TX0

Lot/Sample: E0J100272-020 C-2-129-5 TICs.....: N Report Results: Y
WO#.....: DLW6M-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 15:22 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A049
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:27:27
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1713 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1834	91.7		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

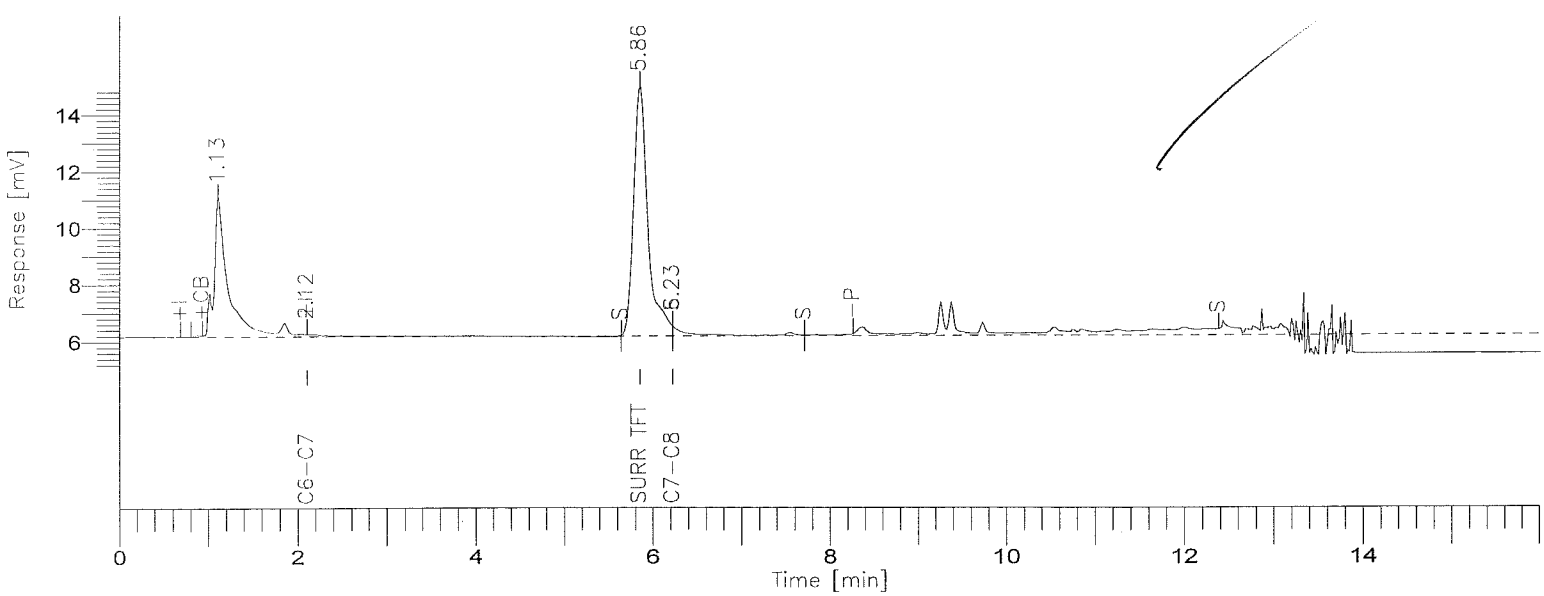
Software Version: 4.1<2F12>
Sample Name : J100272-20 Time : 10/16/00 09:51 AM
Sample Number: 272-20 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 03:22 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A049.RAW
Result File : C:\TC4\GC15\O12A049.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A049.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.86	SURR TFT	99778	0.1834	91.7	0.00		0.0367
6.23	GASOLINE RANGE	6610	0.1713	-----	1.00		0.0343
		106388					0.0709

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.12	C6-C7	2688	0.1227	-----	0.00		0.0245
6.23	C7-C8	3922	0.2489	-----	0.00		0.0498
		6610					0.0743

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A049.TX0

Lot/Sample: E0J100272-021 C-2-128-5 TICs.....: N Report Results: Y
WO#.....: DLW6P-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 15:50 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A050
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:27:46
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1768 B	1	0.1	J	J,B
04273	Gasoline Range Organics	*		NA	1	0.1		NA
04863	Gasoline Range Organics	*		NA	1	0.1		NA
02909	TPH (as Gasoline)	*		NA	1	0.1		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1889	94.45		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

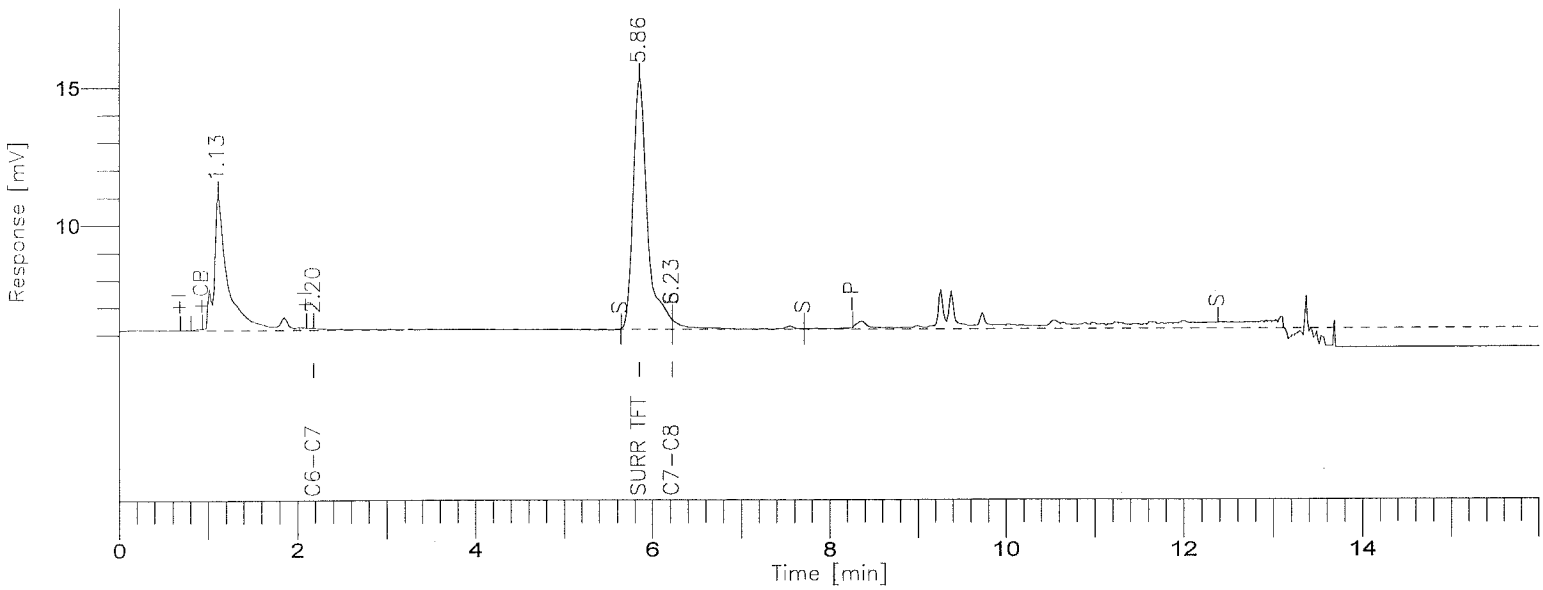
Software Version: 4.1<2F12>
Sample Name : J100272-21 Time : 10/16/00 09:51 AM
Sample Number: 272-1 Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 03:50 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A050.RAW
Result File : C:\TC4\GC15\O12A050.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A050.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000762

BOE-C6-0158309

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.86	SURR TFT	103468	0.1889	94.4	0.00		0.0378
6.23	GASOLINE RANGE	7878	0.1768	-----	1.00		0.0354
		111346					0.0731

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.20	C6-C7	3392	0.1276	-----	0.00		0.0255
6.23	C7-C8	4486	0.2552	-----	0.00		0.0510
		7878					0.0766

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A050.TX0

Lot/Sample: E0J100272-021S C-2-128-5 TICs.....: N Report Results: Y
WO#.....: DLW6P-1-1A Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 16:18 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A051
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 14:35:32
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	5.4404	108.8	31		
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2459	122.95		

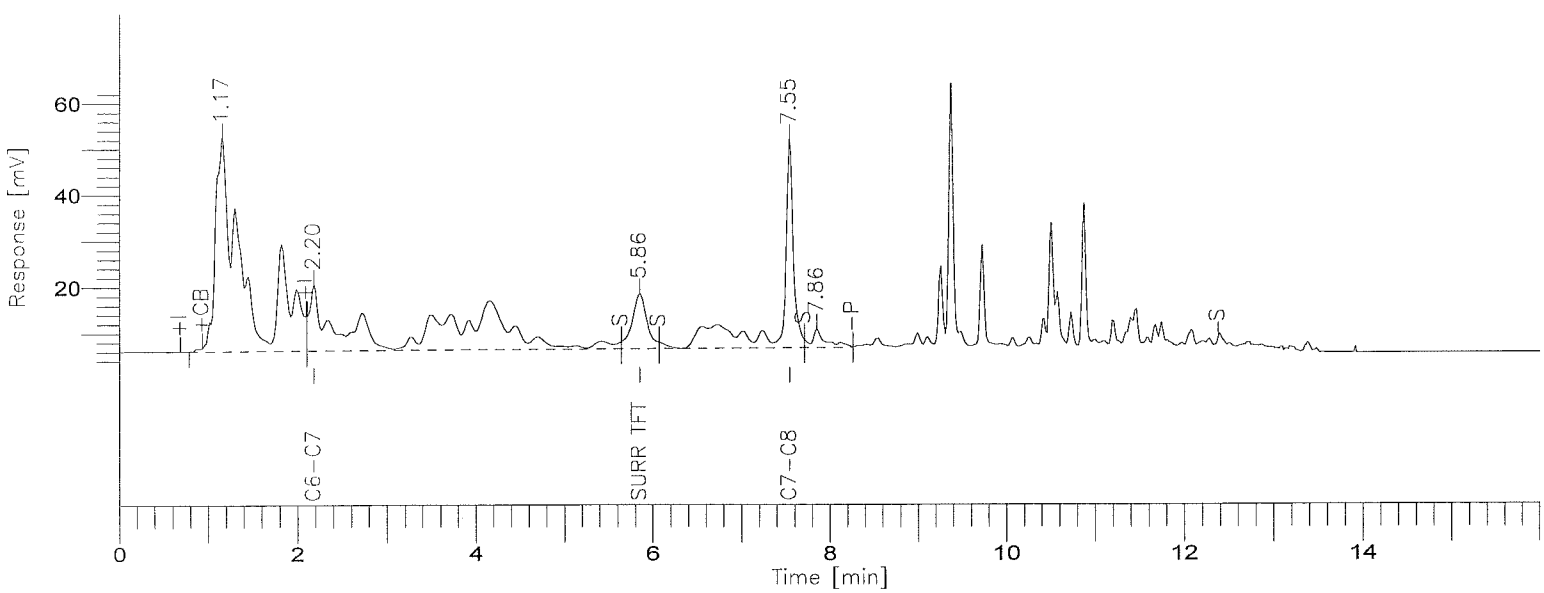
Software Version: 4.1<2F12>
Sample Name : J100272-21 Time : 10/18/00 03:33 PM
Sample Number: 272-21GMS Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 04:18 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A051.RAW
Result File : C:\TC4\GC15\O12A051.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A051.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A051.RST
Calib Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A051.RST
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.86	SURR TFT	142093	0.2459	0.2000	123.0		0.0492
7.55	GASOLINE RANGE	1232448	5.4404	5.0000	108.8		1.0881
		1374540					1.1373

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.20	C6-C7	785435	5.5948	0.0000	-----		1.1190
7.55	C7-C8	447013	5.1939	0.0000	-----		1.0388
		1232448					2.1577

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A051.TX0

Lot/Sample: E0J100272-021D C-2-128-5 TICs.....: N Report Results: Y
WO#.....: DLW6P-1-1C Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/13/00
Inject Time..: 16:47 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A052
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 14:35:33
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/13/00
QC Batch.....: 0292382
MS Run Number: 0292179
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	3.9799	79.59	31		
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2142	107.1		

Software Version: 4.1<2F12>
Sample Name : J100272-21
Sample Number: 272-21GMSD
Operator :

Time : 10/16/00 09:51 AM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

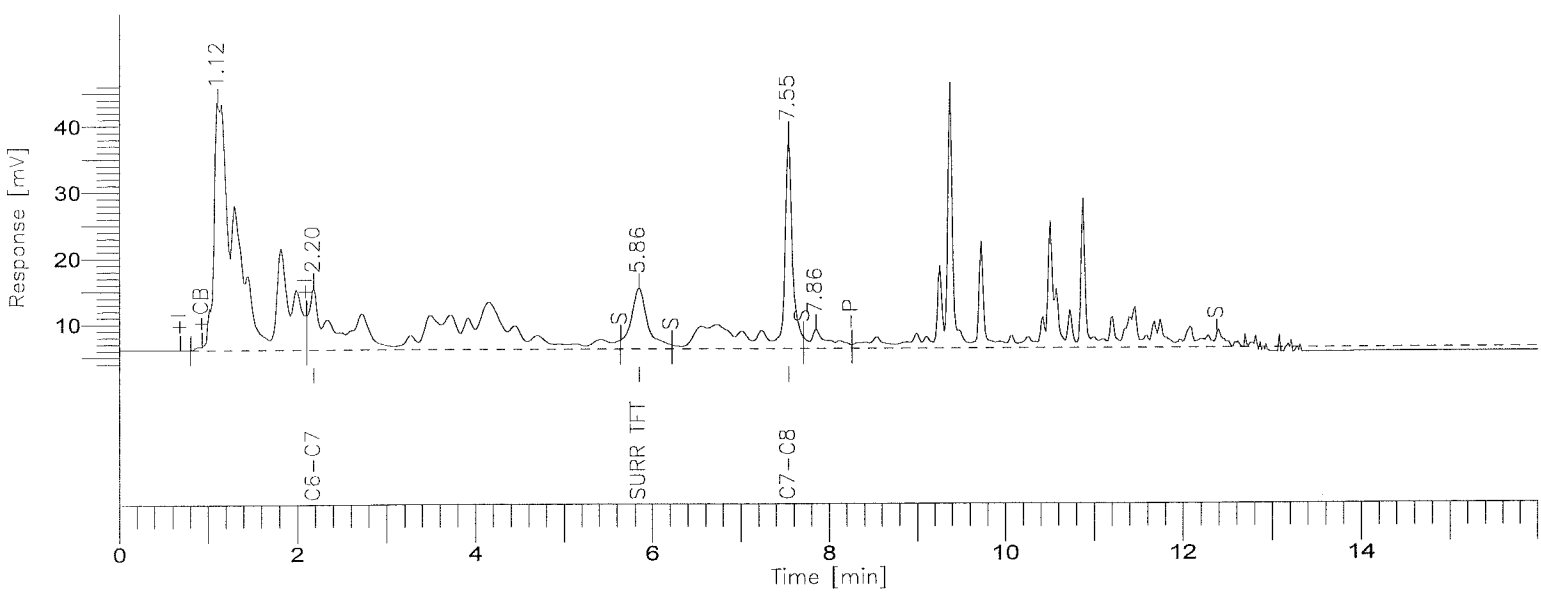
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 04:47 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A052.RAW
Result File : C:\TC4\GC15\O12A052.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A052.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.86	SURR TFT	120585	0.2142	0.2000	107.1		0.0428
7.55	GASOLINE RANGE	892672	3.9799	5.0000	79.6		0.7960
		1013257					0.8388

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.20	C6-C7	563906	4.0461	0.0000	-----		0.8092
7.55	C7-C8	328766	3.8742	0.0000	-----		0.7748
		892672					1.5841

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A052.TX0

9/25

TVPH

SAMPLE AND QC DATA

C6 → C8

Date(s) Analyzed: 10-16,17-00

Instrument ID: GC15A GC16 GC13

Batch #: 0292446

Samples: EOJ100272-B,C,1S

EOJ060359-12,12S,12D Batch QC

Batch Number: 0292446

Lab ID: E0J060276 016 Workorder: DLP6G102 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J090227 006 Workorder: DLTCK103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J090227 012 Workorder: DLTCR103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J090227 021 Workorder: DLTD7103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J090227 023 Workorder: DLTDC103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J090227 026 Workorder: DLTDF103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J100272 019 Workorder: DLW6L103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J060359 005 Workorder: DLQ20103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J060359 006 Workorder: DLQ21103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J060359 008 Workorder: DLQ23103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J060359 009 Workorder: DLQ24103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J060359 011 Workorder: DLQ26103 Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0J060359 012 Workorder: DLQ27103 Dilution Factor: 1
Analyte: Gasoline Range Organics (C6-C12) No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C10) No Matching Blank Analyte Found

Lab ID: E0J060359 002 Workorder: DLQ16103 Dilution Factor: 1

BOE-C6-0158318

000271

Batch Number: 0292446

No Anomalies Found on Workorder

Lab ID: E0J060359 012 S Workorder: DLQ27104 Dilution Factor: 1
Analyte: Gasoline Range Organics (C6-C12) No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C10) No Matching Blank Analyte Found

Lab ID: E0J060359 012 D Workorder: DLQ27105 Dilution Factor: 1
Analyte: Gasoline Range Organics (C6-C12) No Matching Blank Analyte Found
Analyte: Gasoline Range Organics (C6-C10) No Matching Blank Analyte Found

< < < End of Report > > >

BOE-C6-0158319

0002772

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/18/00
Time: 17:36:19

BOE-C6-0158320

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____

Concentrationist: _____

****
* QC BATCH: 0292446 *
****

PREP DATE: 10/16/00
COMP DATE: 10/17/00

Reviewer/Date: _____ / 0/00/00

Hydrocarbons, Volatile Petroleum (8015B)
PURGE AND TRAP - 5 mL purge

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJT	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	10/13/00	E0J060276-016 **DLP6G-1-02**	R	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/12/00	E0J060359-002 **DLQ16-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/12/00	E0J060359-005 **DLQ20-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/12/00	E0J060359-006 **DLQ21-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/12/00	E0J060359-008 **DLQ23-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/12/00	E0J060359-009 **DLQ24-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/12/00	E0J060359-011 **DLQ26-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															

000773

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/18/00
Time: 17:36:19

QC BATCH: 0292446

PREP DATE: 10/16/00
COMP DATE: 10/17/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	10/12/00	E0J060359-012 **DLQ27-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/12/00	E0J060359-012 **DLQ27-1-04S**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	GASOLINE TFT
COMMENTS:															
0/00/00	10/12/00	E0J060359-012 **DLQ27-1-05D**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	GASOLINE TFT
COMMENTS:															
0/00/00	10/16/00	E0J090227-006 **DLTCK-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J090227-012 **DLTCR-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J090227-023 **DLTDC-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J090227-026 **DLTDF-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J090227-021 **DLTD7-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	10/16/00	E0J100272-019 **DLW6L-1-03**	DR	15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															
0/00/00	0/00/00	E0J180000-446 **DNDPN-1-AAB**		15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	TFT
COMMENTS:															

000274

BOE-C6-0158321

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/18/00
Time: 17:36:19

QC BATCH: 0292446

PREP DATE: 10/16/00
COMP DATE: 10/17/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	0/00/00	E0J180000-446 **DNDPN-1-ACC**		15	KJ	SOLID	1 5.00mL	NA	NA	NA		.0		.0	GASOLINE TFT

COMMENTS:

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 18

BOE-C6-0158322

000775

Turbochrom Sequence File : C:\TC4\GC15\016.SEQ
Created by : JKA on : 10/16/00 02:04 PM
Edited by : JKA/ARM on : 10/16/00 08:36 PM
Description : TVPH BY PURGE AND TRAP BY METHOD 8015B

TVPH STD: #122-2
TVPH QC SPIKE: #121-1
SURROGATE (TFT): #124-1

Number of Times Edited : 8

FJK 10/21/00
C6-C8

Sequence File Header Information:

Number of Rows : 81
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	10/16/00	GASCCV	10/16/00	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
2	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
3	Sample	LCSGAS-S	LCS-GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
4	Sample	BLK-S	BLK-S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
5	Sample	J060276-16	J060276-16	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
6	Sample	J090227-6	J090227-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
7	Sample	J090227-12	J090227-12	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
8	Sample	J090227-21	J090227-21	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
9	Sample	J090227-23	J090227-23	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J090227-26	J090227-26	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
1	Sample	J100272-19	J100272-19	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
12	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
13	Sample	J040324-7	324-7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	J040324-8	324-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	J040324-17	324-17	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
16	Sample	J040324-19	324-19	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	J040324-21	324-21	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
18	Sample	J040324-23	324-23	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
19	Sample	J060359-2	J060359-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
20	Sample	J060359-5	J060359-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
21	Sample	J060359-6	J060359-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
22	Sample	J060359-8	J060359-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
23	Sample	J060359-9	J060359-9	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
24	Sample	J060359-11	J060359-11	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
25	Sample	J060359-12	J060359-12	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
26	Sample	359-12MS	359-12MS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
27	Sample	359-12MSD	359-12MSD		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
28	Sample	BLK	BLK		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
29	Sample	GASCCV	GASCCV 4:05		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
30	Sample	LCSGAS-S	LCS-GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
31	Sample	BLK-S	BLK-S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
32	Sample	BLK-S	BLK-S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
33	Sample	J100274-2	J100274-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
34	Sample	J110284-1	284-1	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
35	Sample	J110284-2	284-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
36	Sample	J110284-3	284-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
37	Sample	J110284-4	284-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
38	Sample	J110284-6	284-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
39	Sample	J110284-11	284-11	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
40	Sample	J110284-13	284-13	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
41	Sample	J110284-14	284-14	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
42	Sample	J110284-15	284-15	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
43	Sample	J110284-21	284-21	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
44	Sample	J110284-22	284-22	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
5	Sample	J110284-23	284-23	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
46	Sample	J110284-24	284-24	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
47	Sample	J110284-25	284-25	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
48	Sample	J110284-26	284-26	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
49	Sample	J110284-27	284-27	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
50	Sample	BLK	BLK		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
51	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
52	Sample	284-1MS	284-1MS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
53	Sample	284-1MSD	284-1MSD		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
54	Sample	LCSGAS-S	LCS-GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

000776

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
C rator :

Time : 10/16/00 03:17 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

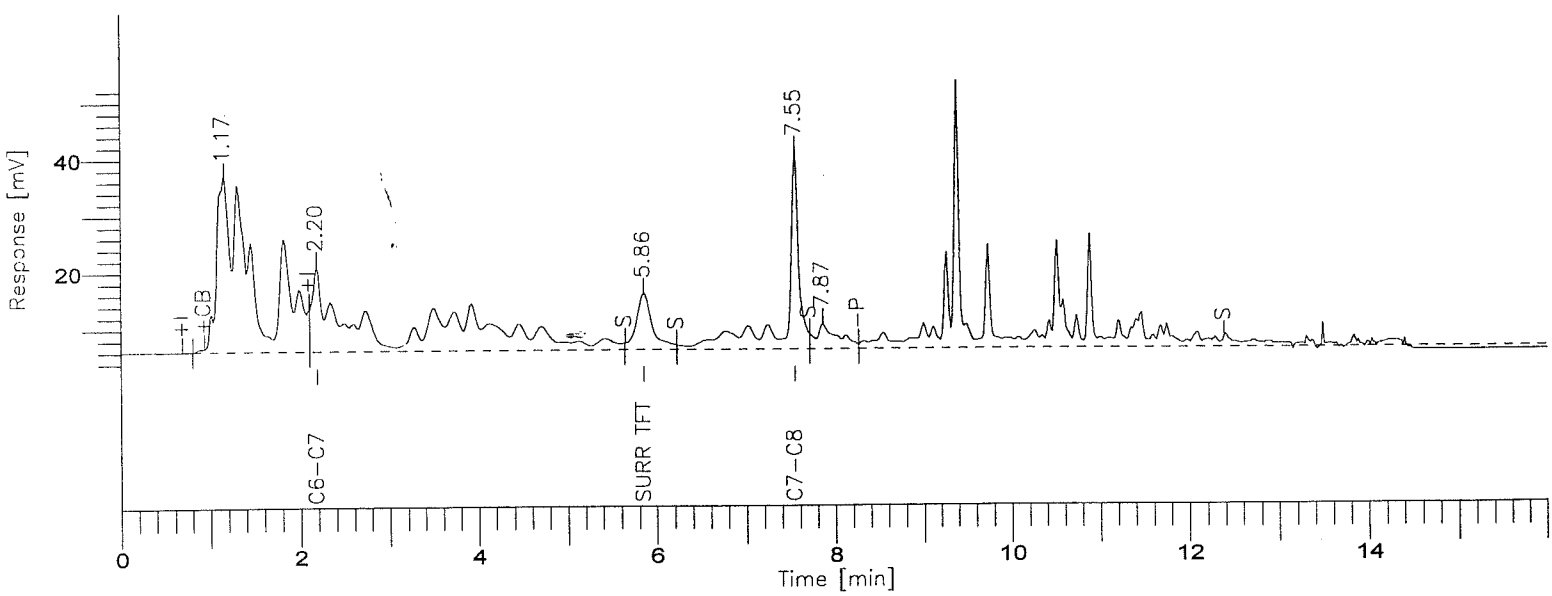
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/16/00 03:01 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O16A002.RAW
Result File : C:\TC4\GC15\O16A002.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O16A002.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O16.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000777

BOE-C6-0158324

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.86	SURR TFT	128045	0.0450	0.0400	12.6
7.55	GASOLINE RANGE	1131118	1.0010	1.0000	0.1
		1259163			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	781801	1.1139	0.0000	-----
7.55	C7-C8	349317	0.8207	0.0000	-----
		1131118			

SIL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O16A002.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
Operator :

Time : 10/16/00 08:13 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

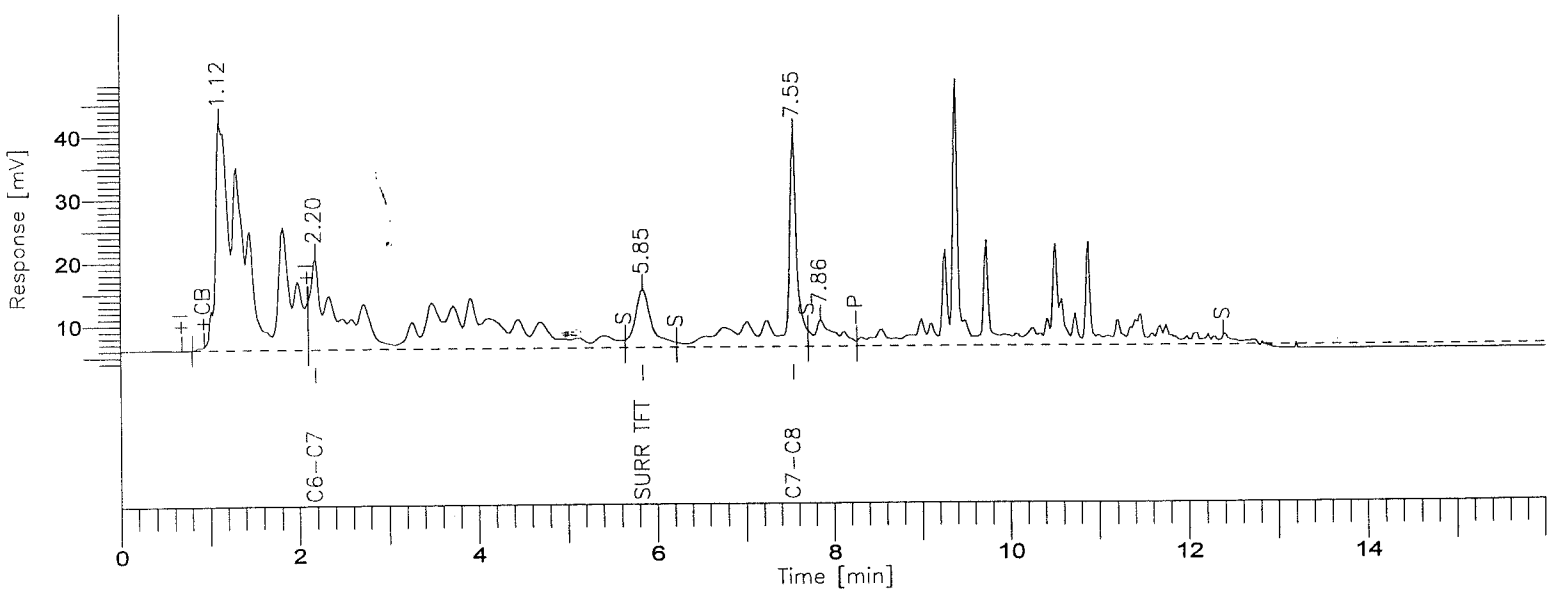
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/16/00 07:57 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O16A012.RAW
Result File : C:\TC4\GC15\O16A012.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O16A012.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O16.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.85	SURR TFT	120503	0.0428	0.0400	7.0
7.55	GASOLINE RANGE	1119063	0.9906	1.0000	-0.9
		1239566			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	776175	1.1060	0.0000	-----
7.55	C7-C8	342888	0.8064	0.0000	-----
		1119063			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O16A012.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
C rator :

Time : 10/17/00 04:20 AM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

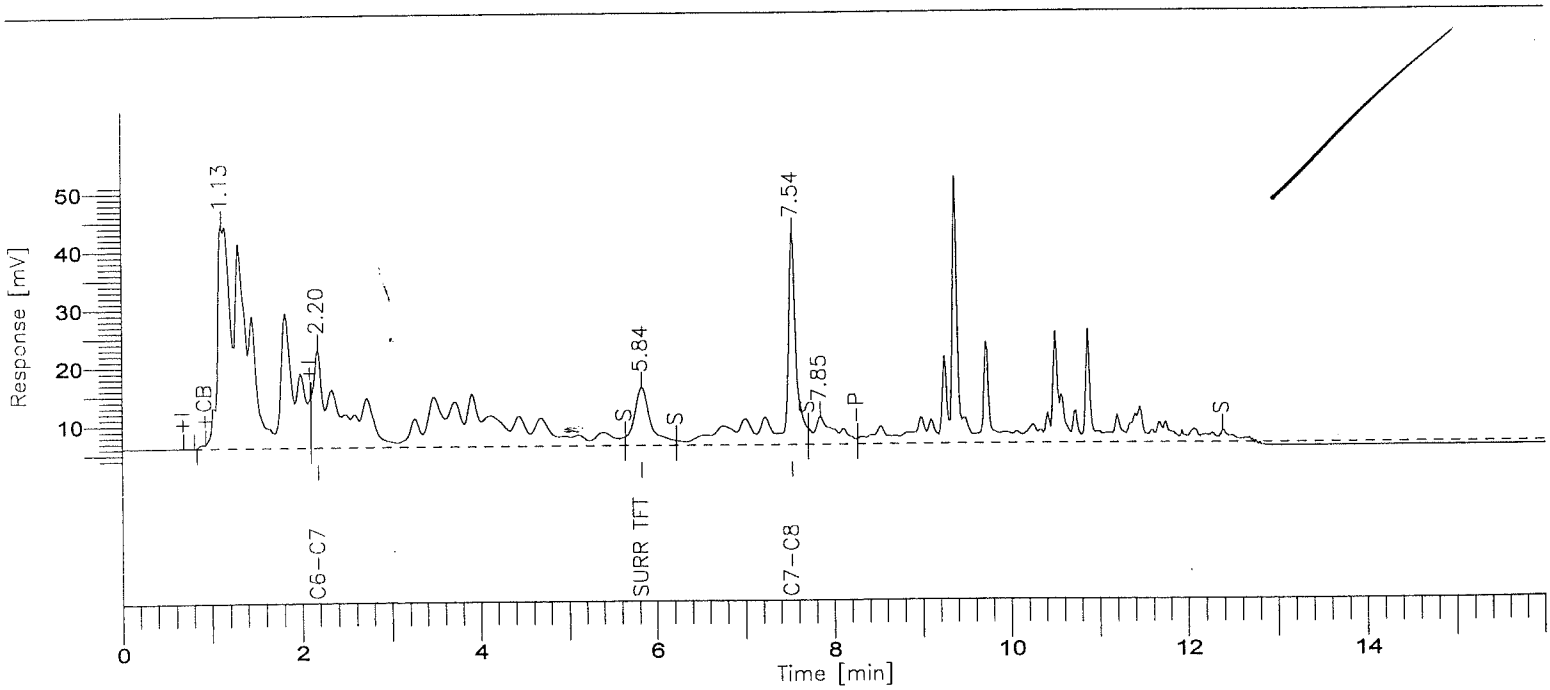
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 04:05 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\016A029.RAW
Result File : C:\TC4\GC15\016A029.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\016A029.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\016.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000781

BOE-C6-0158328

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.84	SURR TFT	129544	0.0455	0.0400	13.7
7.54	GASOLINE RANGE	1258984	1.1109	1.0000	11.1
		1388528			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	883156	1.2556	0.0000	-----
7.54	C7-C8	375828	0.8799	0.0000	-----
		1258984			

SAL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O16A029.TXO

Lot/Sample: E0J180000-446B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DNDPN-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/16/00
Inject Time..: 16:00 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O16A004
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/06/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 18:21:31
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/16-10/17/00
QC Batch.....: 0292446
MS Run Number:
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1842	1	0.1	J	J
02909	TPH (as Gasoline)			NA	1	0.1		NA
03518	Unknown Hydrocarbon			NA	1	0.1		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1678	83.9		

Notes:
J Estimated result. Result is less than RL.

Software Version: 4.1<2F12>
Sample Name : BLK-S
Sample Number: BLK-S
(rator :

Time : 10/16/00 04:16 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

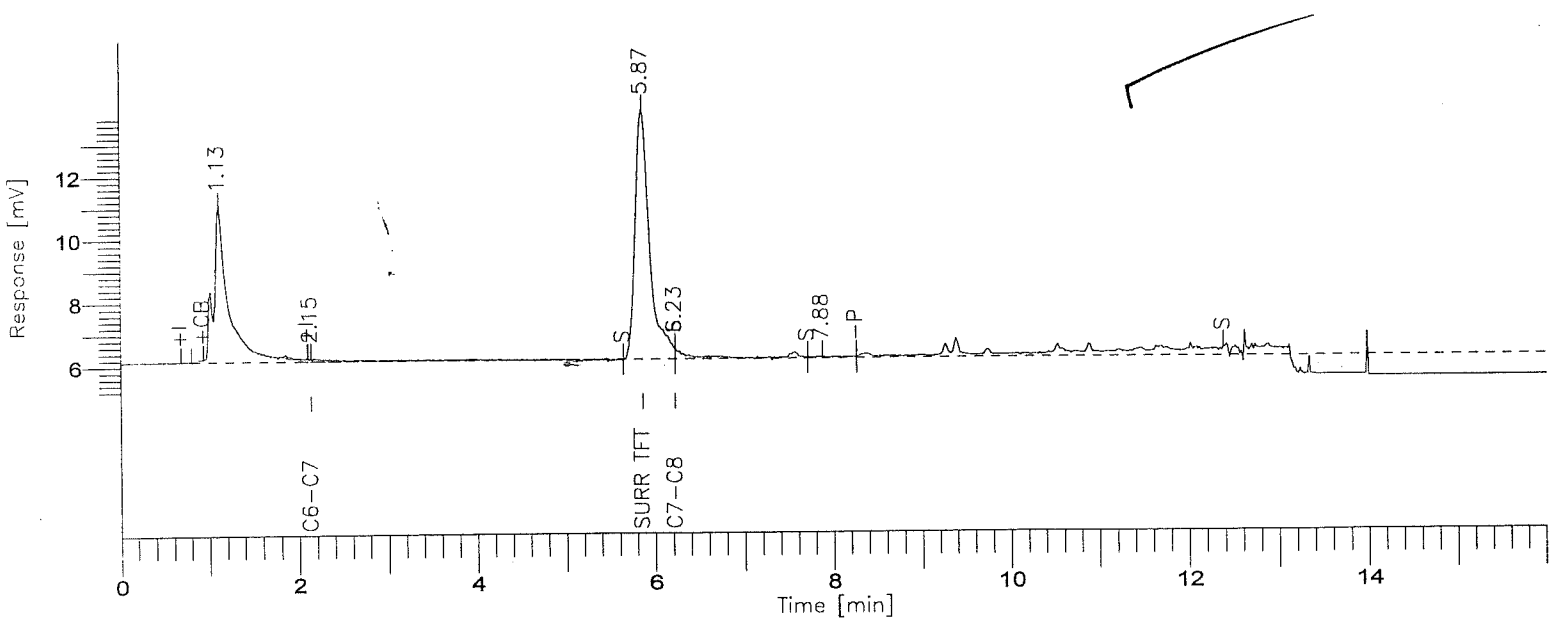
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/16/00 04:00 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O16A004.RAW
Result File : C:\TC4\GC15\O16A004.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O16A004.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O16.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.87	SURR TFT	89150	0.1678	83.9	0.00		0.0336
6.23	GASOLINE RANGE	9619	0.1842	-----	1.00		0.0368
		98769					0.0704

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.15	C6-C7	4756	0.1372	-----	0.00		0.0274
6.23	C7-C8	4863	0.2594	-----	0.00		0.0519
		9619					0.0793

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O16A004.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/18/2000
Time 17:21:32

Lot/Sample: E0J180000-446C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DNDPN-1-AC Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/16/00
Inject Time..: 15:31 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O16A003
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/06/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 17:35:49
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/16-10/17/00
QC Batch.....: 0292446
MS Run Number:
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	4.4726	89.45	0		
	Sample amount: ND								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2435	121.75		

Software Version: 4.1<2F12>
Sample Name : LCSGAS-S
Sample Number: LCS-GAS
Operator :

Time : 10/16/00 03:47 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

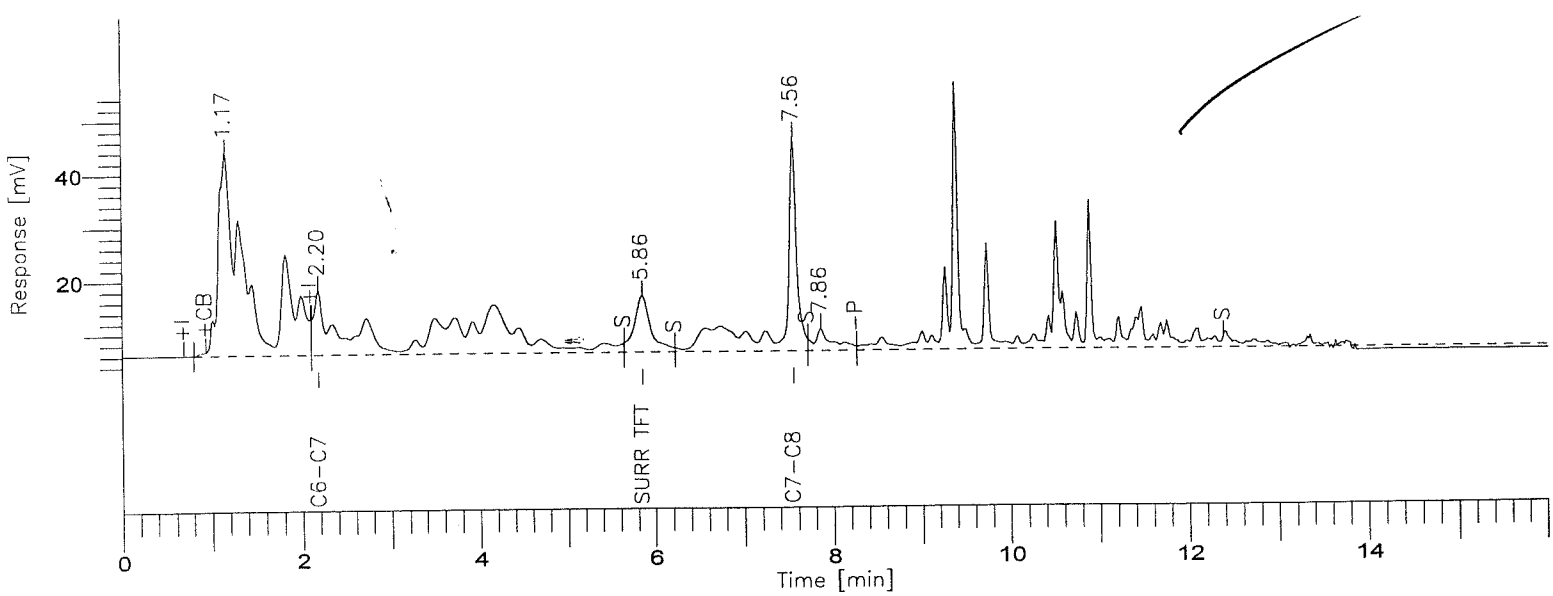
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/16/00 03:31 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\016A003.RAW
Result File : C:\TC4\GC15\016A003.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\016A003.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\016.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000787

BOE-C6-0158334

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.86	SURR TFT	140469	0.2435	0.2000	121.8		0.0487
7.55	GASOLINE RANGE	1129115	4.9962	5.0000	99.9		0.9992
		1269584					1.0480

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.20	C6-C7	708822	5.0592	0.0000	-----		1.0118
7.55	C7-C8	420293	4.8957	0.0000	-----		0.9791
		1129115					1.9910

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O16A003.TX0

Lot/Sample: E0J100272-019 C-2-129-1 TICs.....: N Report Results: Y
WO#.....: DLW6L-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/16/00
Inject Time..: 19:29 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O16A011
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 18:29:58
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/16-10/17/00
QC Batch.....: 0292446
MS Run Number: 0292213
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
)5134	C6-C8			0.1822 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1669	83.45		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

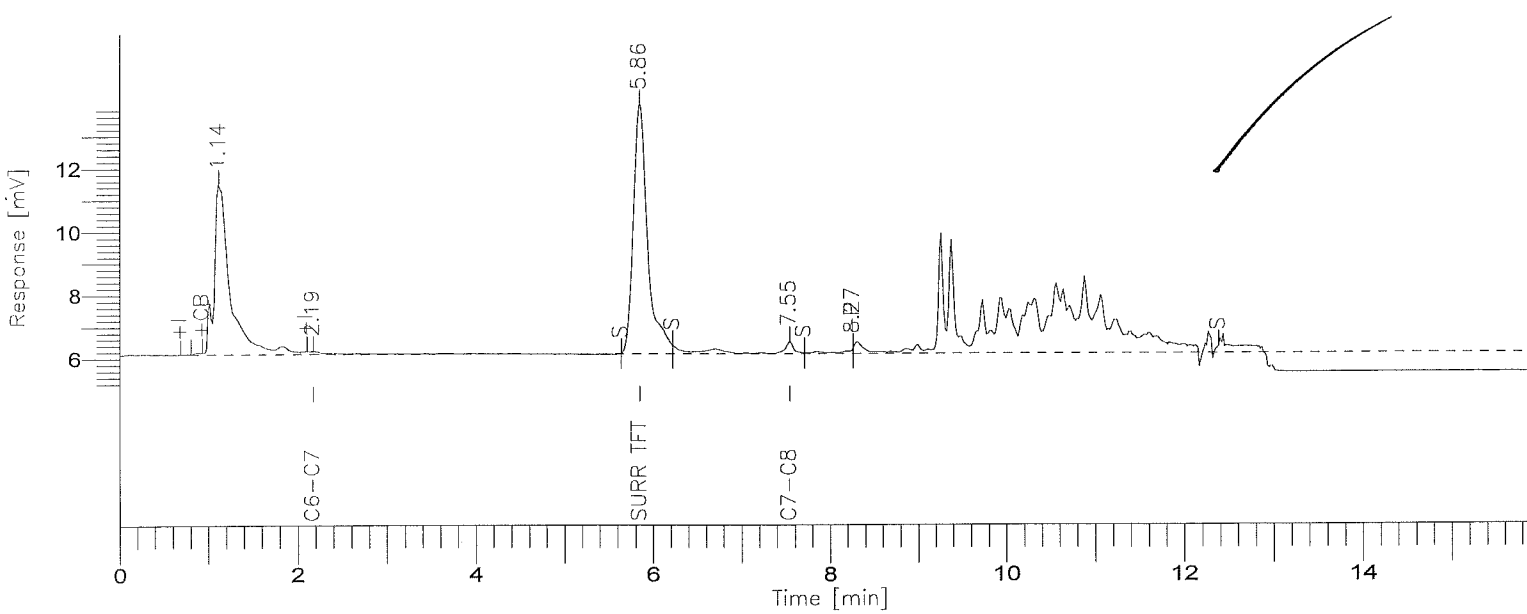
Software Version: 4.1<2F12>
Sample Name : J100272-19 Time : 10/16/00 07:45 PM
Sample Number: J100272-19 Study : LOW SOIL
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/16/00 07:29 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O16A011.RAW
Result File : C:\TC4\GC15\O16A011.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O16A011.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O16.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.86	SURR TFT	88540	0.1669	83.4	0.00		0.0334
7.55	GASOLINE RANGE	9149	0.1822	-----	1.00		0.0364
		97689					0.0698

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.18	C6-C7	2930	0.1244	-----	0.00		0.0249
7.55	C7-C8	6219	0.2745	-----	0.00		0.0549
		9149					0.0798

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O16A011.TX0

Lot/Sample: E0J060359-012 C-2-92-15 TICs.....: N Report Results: Y
WO#.....: DLQ27-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/17/00
Inject Time..: 2:11 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O16A025
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/06/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 18:31:30
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/16-10/17/00
QC Batch.....: 0292446
MS Run Number: 0292213
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1704 B	1	0.1	J	J,B
04273	Gasoline Range Organics	*		NA	1	0.1		NA
04863	Gasoline Range Organics	*		NA	1	0.1		NA
02909	TPH (as Gasoline)	*		NA	1	0.1		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1823	91.15		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

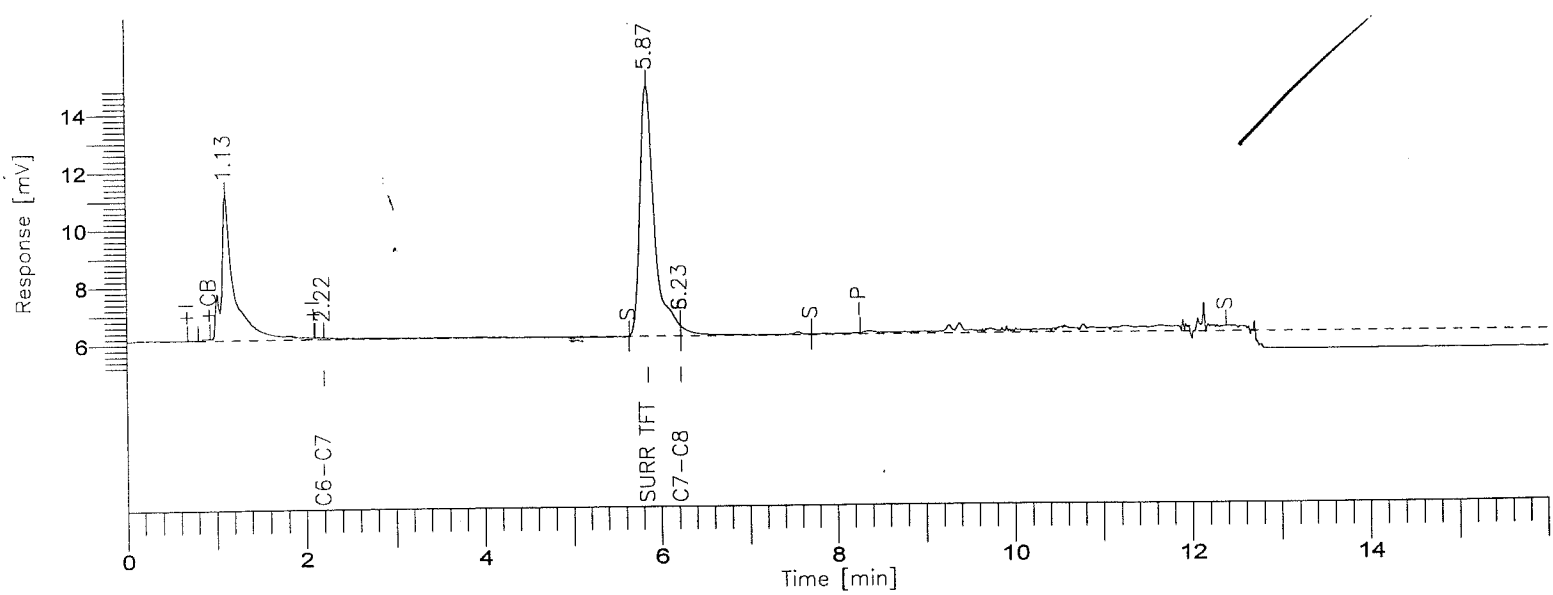
Software Version: 4.1<2F12>
Sample Name : J060359-12 Time : 10/17/00 02:26 AM
Sample Number: J060359-12 Study : LOW SOIL
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 02:11 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O16A025.RAW
Result File : C:\TC4\GC15\O16A025.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O16A025.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O16.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000793

BOE-C6-0158340

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.86	SURR TFT	99021	0.1823	91.2	0.00		0.0365
6.23	GASOLINE RANGE	6389	0.1704	-----	1.00		0.0341
		105410					0.0705

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.22	C6-C7	3053	0.1253	-----	0.00		0.0251
6.23	C7-C8	3336	0.2423	-----	0.00		0.0485
		6389					0.0735

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O16A025.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/18/2000
Time 17:33:56

Lot/Sample: E0J060359-012S C-2-92-15 TICs.....: N Report Results: Y
WO#.....: DLQ27-1-04 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/17/00
Inject Time..: 2:40 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O16A026
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/06/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 17:35:50
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/16-10/17/00
QC Batch.....: 0292446
MS Run Number: 0292213
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	5.3400	106.8	2.78		
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2564	128.2		

Software Version: 4.1<2F12>
Sample Name : 359-12MS
Sample Number: 359-12MS
(rator :

Time : 10/17/00 02:55 AM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

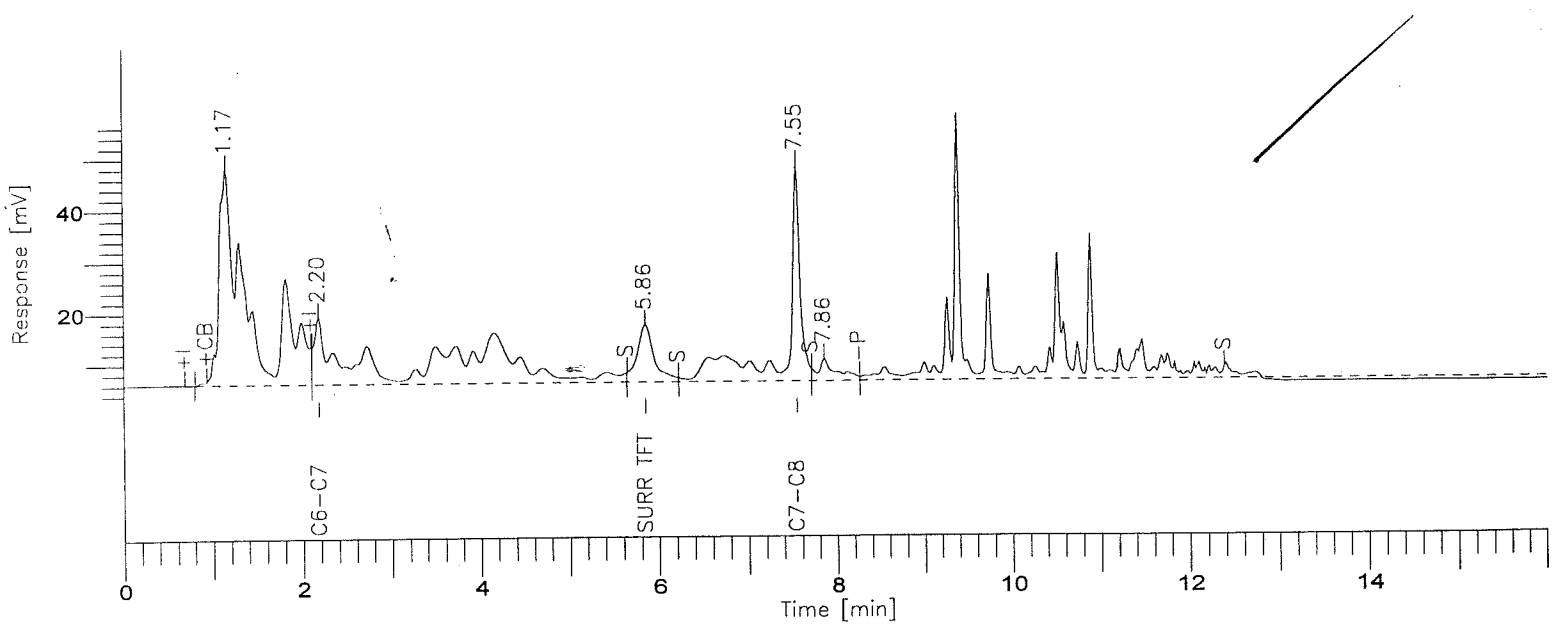
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 02:40 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O16A026.RAW
Result File : C:\TC4\GC15\O16A026.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O16A026.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O16.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000796

BOE-C6-0158343

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.86	SURR TFT	149179	0.2564	0.2000	128.2		0.0513
7.55	GASOLINE RANGE	1209090	5.3400	5.0000	106.8		1.0680
		1358269					1.1193

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.20	C6-C7	765701	5.4569	0.0000	-----		1.0914
7.55	C7-C8	443389	5.1535	0.0000	-----		1.0307
		1209090					2.1221

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O16A026.TX0

PDE120S
Page: 1

Severn Trent Laboratories, Inc.
Data Review

Date 10/18/2000
Time 17:33:56

Lot/Sample: E0J060359-012D C-2-92-15 TICs.....: N Report Results: Y
WO#.....: DLQ27-1-05 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/17/00
Inject Time..: 3:08 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O16A027
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/06/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 17:35:51
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/16-10/17/00
QC Batch.....: 0292446
MS Run Number: 0292213
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	5.1931	103.8	2.78		
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2513	125.65		

Software Version: 4.1<2F12>
Sample Name : 359-12MSD
Sample Number: 359-12MSD
Operator :

Time : 10/18/00 05:33 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

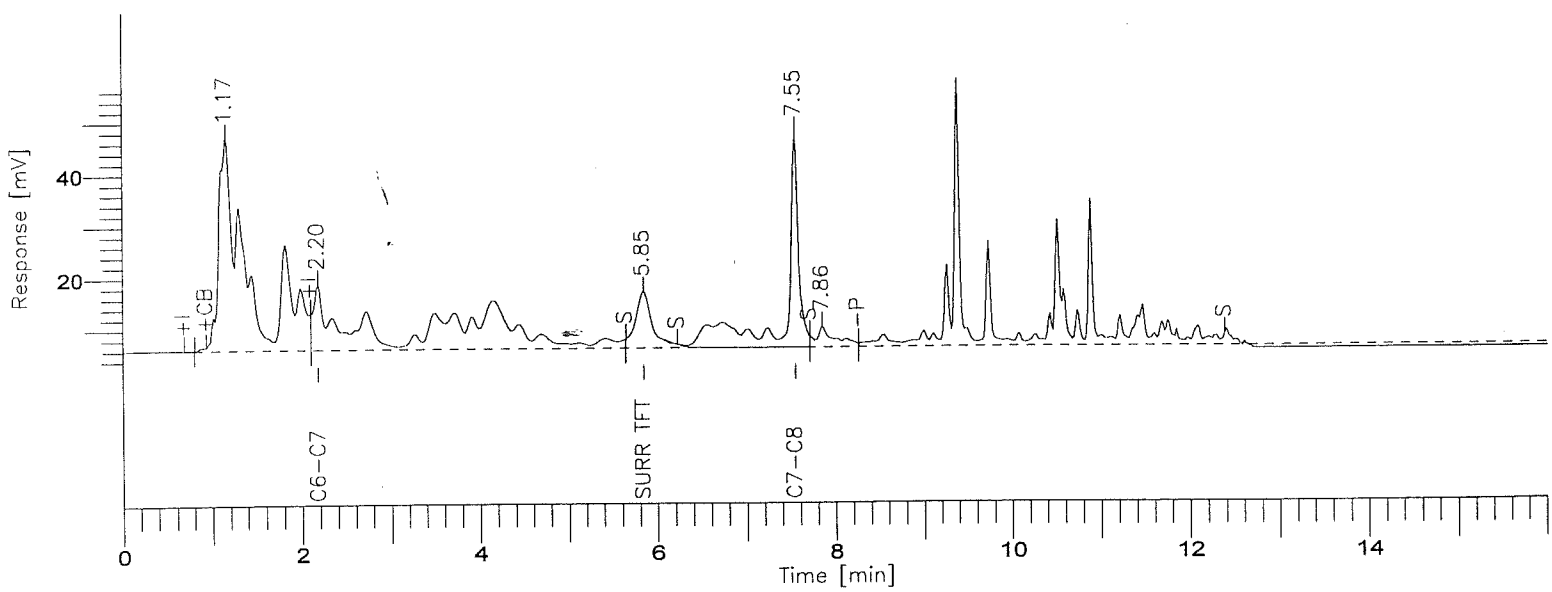
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 03:08 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O16A027.RAW
Result File : C:\TC4\GC15\O16A027.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O16A027.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O16A027.RST
Calib Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O16A027.RST
Sequence File : C:\TC4\GC15\O16.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000799

BOE-C6-0158346

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.85	SURR TFT	145727	0.2513	0.2000	125.6		0.0503
7.55	GASOLINE RANGE	1174915	5.1931	5.0000	103.9		1.0386
		1320642					1.0889

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.20	C6-C7	746125	5.3200	0.0000	-----		1.0640
7.55	C7-C8	428790	4.9905	0.0000	-----		0.9981
		1174915					2.0621

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O16A027.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 9-25-00

Instrument ID: G15 C6-C8

Turbochrom Method File : C:\TC4\GC15\METHODS\925C6-C8.MTH
Created by : ps on : 9/25/00 08:45 PM
Edited by : JKA on : 9/25/00 08:52 PM
Description :

Number of Times Edited : 2
Number of Times Calibrated : 188

Instrument Conditions :
PURGEABLE AROMATIC HYDROCARBONS

Instrument Control Method:
Instrument name : GC15

Interface Parameters :
Delay Time : 0.00 min.
Run Time : 16.00 min.
Sampling Rate : 1.0000 pts/s
Interface Type : 9092
Analog Voltage Input : 1000 mV
Data will be collected from channel A

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :
Channel A -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV
Channel B -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 100 µV
Area Threshold : 499.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - +I at 0.699
Event #2 - +HF at 0.819
Event #3 - +CB at 0.951
Event #4 - +I at 2.111
Event #5 - S at 2.122
Event #6 - S at 5.652
Event #7 - S at 6.070

Event #8 - S at 7.717
Event #9 - -P at 8.267
Event #10 - S at 12.384

Rotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\TC4\GC15\RST_READ.EXE
Command Line : $RST
Entry Point : Post Analysis
Synchronize : NO

Global Information :
Default Sample Volume : 1.000 ml
Quantitation Units : ppm
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
SOLV PK
Component Type : Single Peak Component
Retention Time : 1.182 min Search Window: 0.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.5000	150717.00	9094.41	----------	----------	1
2	5.0000	268073.00	16073.28	----------	----------	1
3	10.0000	518863.00	26042.32	----------	----------	1
4	60.0000	892419.00	40947.22	----------	----------	1
5	100.0000	1501200.00	65378.77	----------	----------	1

Average Calibration Factor = 87364.110000 (%RSD = 138.68)

C6-C7
Component Type : Single Peak Component
Retention Time : 2.236 min Search Window: 51.00 s, 40.00 %
Reference Component:
Find largest peak in window

000803

Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:

Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Value 6: 0.000000
Value 7: -1.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	39714.00	515.34	----------	----------	1
2	0.2000	137523.00	2159.47	----------	----------	1
3	0.5000	355269.00	5696.00	----------	----------	1
4	1.0000	702561.00	11364.61	----------	----------	1
5	2.0000	1347821.00	21845.19	----------	----------	1
6	5.0000	3586046.00	58414.46	----------	----------	1

Calibration Curve : y = (-14865.104974) + (715214.243411)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999353

SURR TFT

Component Type : Single Peak Component
Retention Time : 5.918 min Search Window: 1.00 s, 4.00 %
Reference Component:
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:

Label :
Value 1: 0.000000
Value 2: 0.040000
Value 3: 0.040000
Value 4: 0.000000
Value 5: 2.000000
Value 6: 0.000000
Value 7: 108.018306

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0100	16940.00	1580.01	----------	----------	1
2	0.0200	38364.00	3408.57	----------	----------	1
3	0.0300	71254.00	5925.39	----------	----------	1
4	0.0400	110745.00	8711.38	----------	----------	1
5	0.0600	182197.00	13691.58	----------	----------	1

Calibration Curve : y = (-24465.837838) + (3386432.432432)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.992543

C7-C8

Component Type : Single Peak Component
Retention Time : 7.577 min Search Window: 99.00 s, 55.00 %
Reference Component:
Find largest peak in window 000804

Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:

Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Value 6: 0.000000
Value 7: -1.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	20954.00	1809.05	----------	----------	1
2	0.2000	78991.00	7165.63	----------	----------	1
3	0.5000	212228.00	19723.04	----------	----------	1
4	1.0000	429143.00	40745.25	----------	----------	1
5	2.0000	828059.00	79162.10	----------	----------	1
6	5.0000	2240510.00	216122.80	----------	----------	1

Calibration Curve : y = (-18378.724838) + (448017.982746)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999090

GASOLINE RANGE

Component Type : Named Group
Group Members:
C6-C7
C7-C8

Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:

Label :
Value 1: 0.100000
Value 2: 0.000000
Value 3: 1.000000
Value 4: 0.000000
Value 5: 0.000000
Value 6: 0.100000
Value 7: -1.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	60668.00	2324.39	----------	----------	1
2	0.2000	216514.00	9325.10	----------	----------	1
3	0.5000	567497.00	25419.04	----------	----------	1
4	1.0000	1131704.00	52109.86	----------	----------	1
5	2.0000	2175880.00	101007.29	----------	----------	1
6	5.0000	5826556.00	274537.26	----------	----------	1

Calibration Curve : y = (-33243.829812) + (1163232.226157)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999258

Software Version: 4.1<2F12>
Sample Name : 50/10PPB GAS/TFT
Sample Number: 50PPB GAS
Operator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

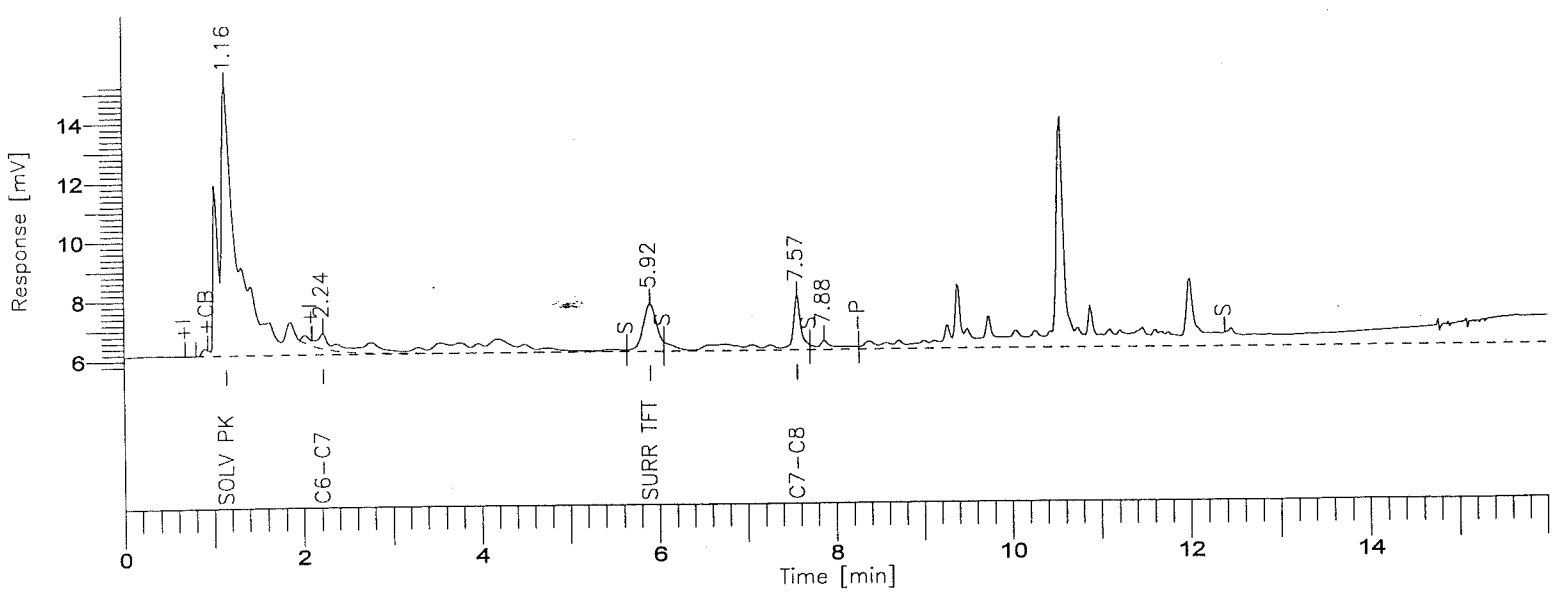
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 05:28 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A003.RAW
Result File : C:\TC4\GC15\925A003.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A003.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000806

BOE-C6-0158353

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.16	SOLV PK	150717	1.5946	-----	0.00		1.5946
5.92	SURR TFT	16940	0.0050	12.4	0.00		0.0050
7.57	GASOLINE RANGE	60668	-0.0025	-----	0.10		-0.0025
		228325					1.5971

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.24	C6-C7	39714	-0.0115	-----	0.00		-0.0115
7.57	C7-C8	20954	0.0131	-----	0.00		0.0131
		60668					0.0016

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A003.TX0

Software Version: 4.1<2F12>
Sample Name : 200/20PPB GAS/TFT
Sample Number: 200PPB GAS
Operator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

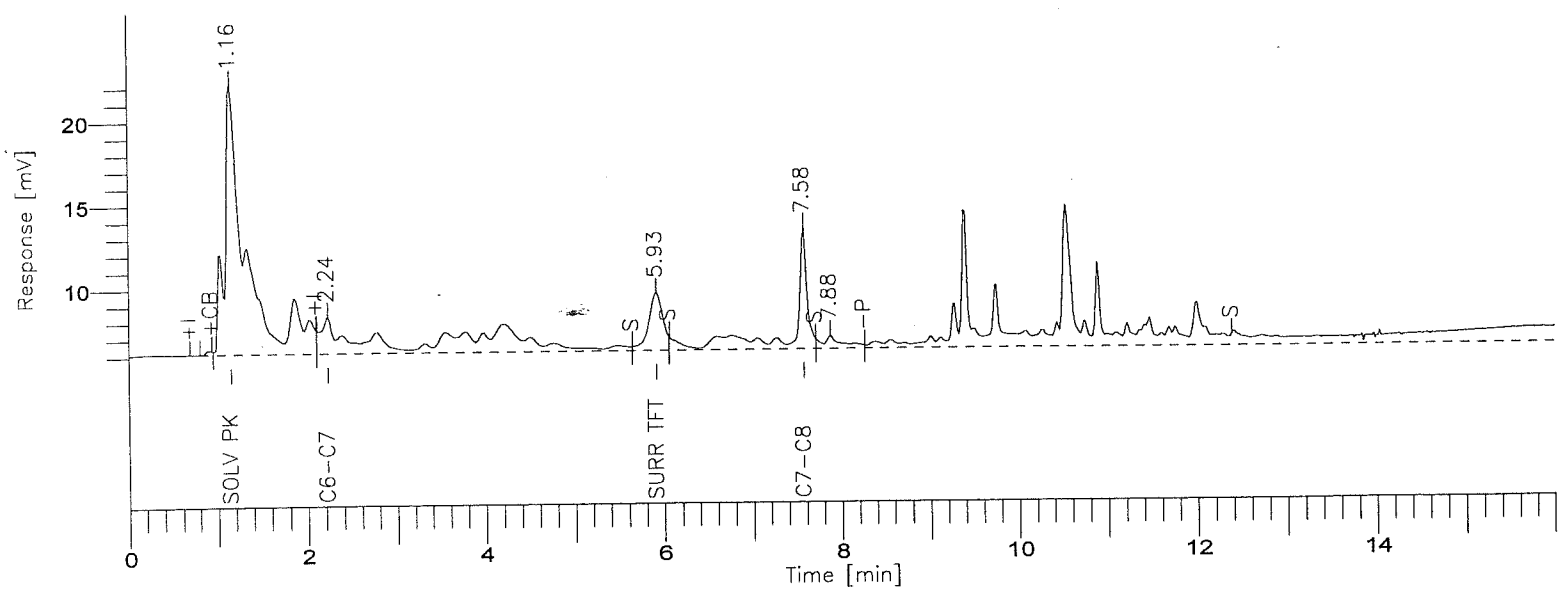
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 05:56 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A004.RAW
Result File : C:\TC4\GC15\925A004.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A004.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000808

BOE-C6-0158355

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.16	SOLV PK	268073	2.9451	-----	0.00		2.9451
5.93	SURR TFT	38364	0.0184	46.0	0.00		0.0184
7.58	GASOLINE RANGE	216514	0.1546	-----	0.10		0.1546
		522951					3.1181

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.24	C6-C7	137523	0.1457	-----	0.00		0.1457
7.58	C7-C8	78991	0.1700	-----	0.00		0.1700
		216514					0.3157

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A004.TX0

Software Version: 4.1<2F12>
Sample Name : 500/30PPB GAS/TFT
Sample Number: 500PPB GAS
Operator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

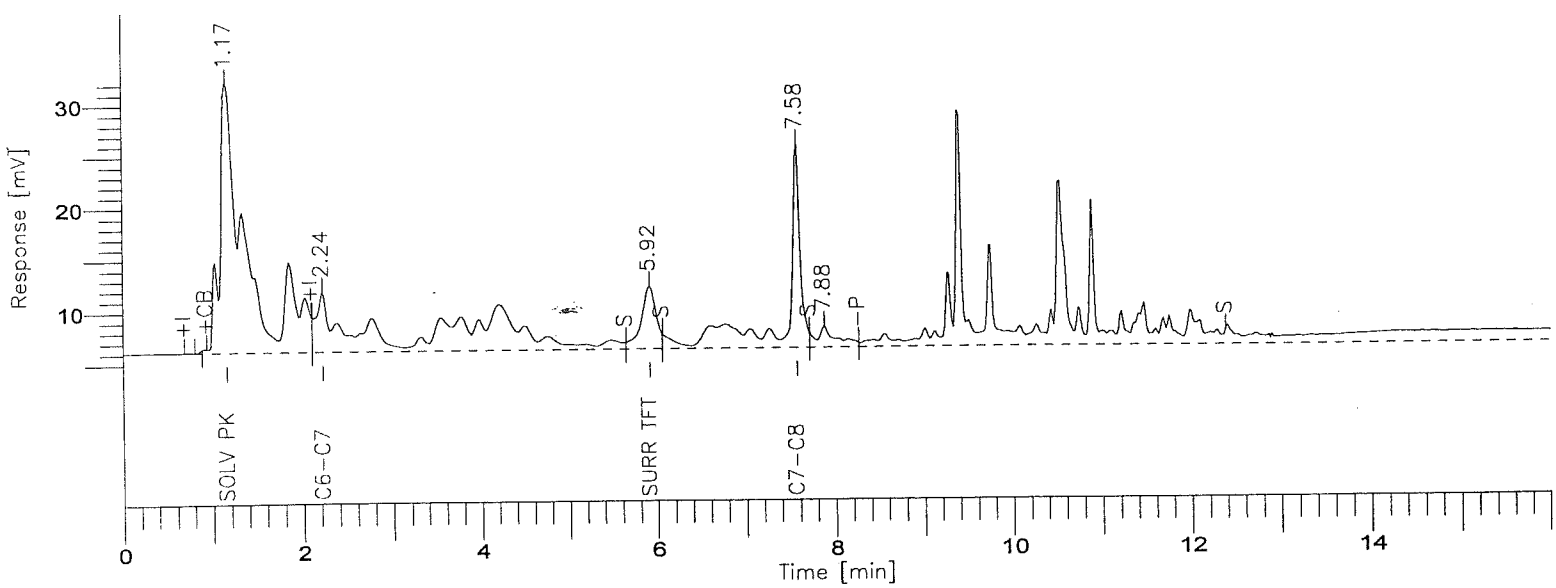
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 06:25 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A005.RAW
Result File : C:\TC4\GC15\925A005.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A005.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000810

BOE-C6-0158357

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.17	SOLV PK	518863	5.8742	-----	0.00		5.8742
5.92	SURR TFT	71254	0.0306	76.5	0.00		0.0306
7.58	GASOLINE RANGE	567497	0.4755	-----	0.10		0.4755
		1157614					6.3803

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.24	C6-C7	355269	0.4642	-----	0.00		0.4642
7.58	C7-C8	212228	0.4950	-----	0.00		0.4950
		567497					0.9592

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A005.TX0

Software Version: 4.1<2F12>
Sample Name : 1000/40PPB GAS/TFT
Sample Number: 1000PPB
Operator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

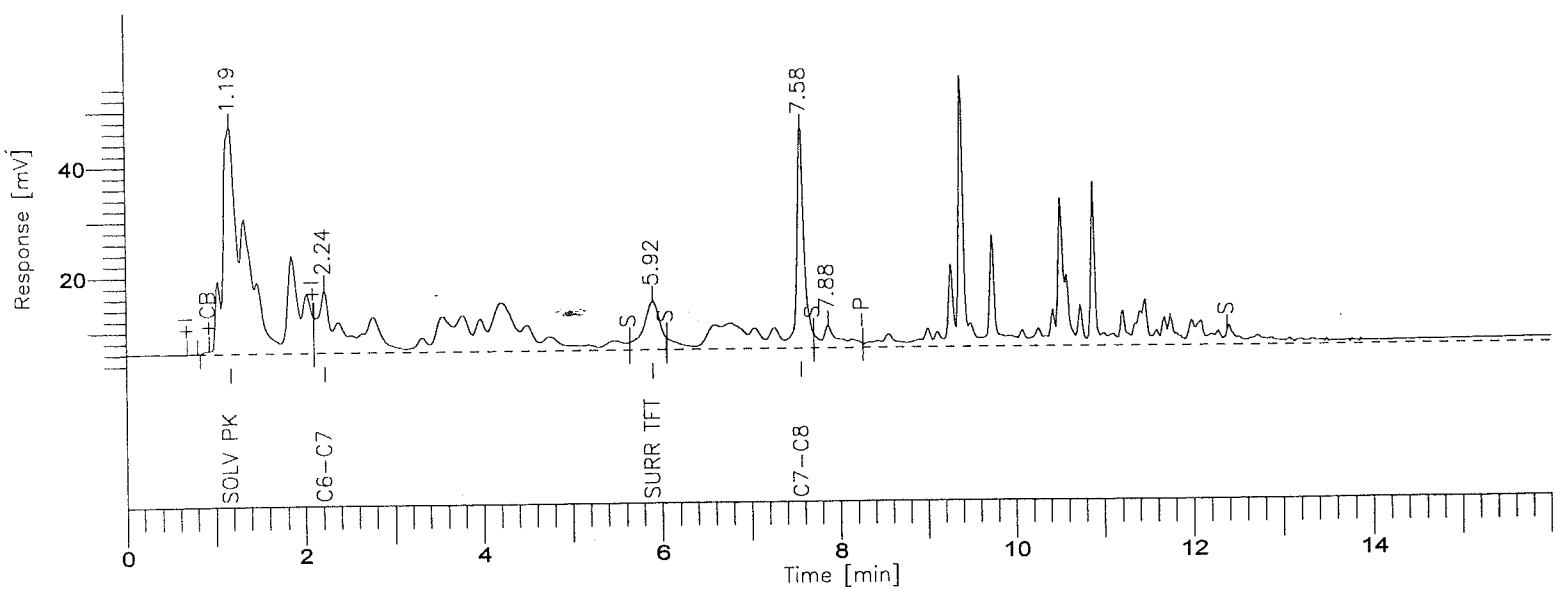
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 06:56 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A006.RAW
Result File : C:\TC4\GC15\925A006.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A006.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000812

BOE-C6-0158359

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.19	SOLV PK	892419	10.1584	-----	0.00		10.1584
5.92	SURR TFT	110745	0.0418	104.5	0.00		0.0418
7.57	GASOLINE RANGE	1131704	0.9725	-----	0.10		0.9725
		2134868					11.1727

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.24	C6-C7	702561	0.9542	-----	0.00		0.9542
7.57	C7-C8	429143	1.0043	-----	0.00		1.0043
		1131704					1.9585

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A006.TX0

Software Version: 4.1<2F12>
Sample Name : 2000/60PPB GAS/TFT
Sample Number: 2000PPB
(rator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

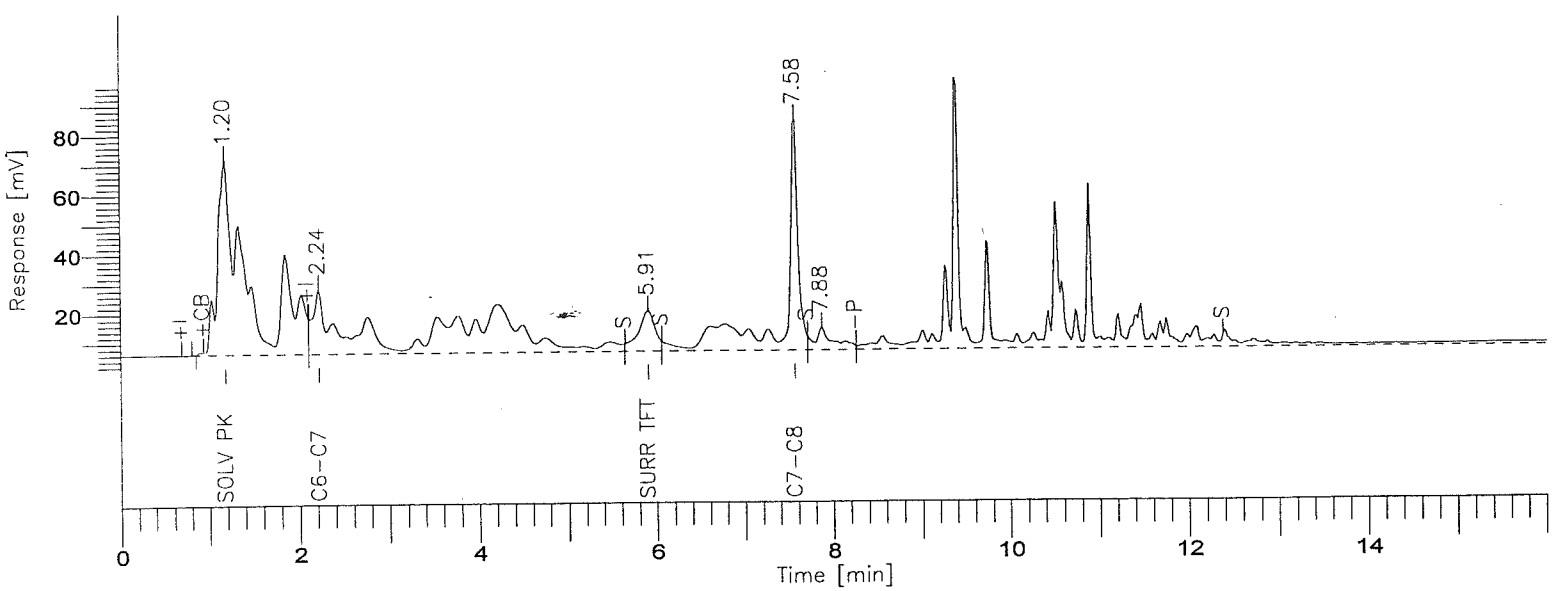
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 07:25 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A007.RAW
Result File : C:\TC4\GC15\925A007.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A007.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000814

BOE-C6-0158361

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.20	SOLV PK	1501200	17.1833	-----	0.00		17.1833
5.91	SURR TFT	182197	0.0574	143.4	0.00		0.0574
7.58	GASOLINE RANGE	2175880	1.8831	-----	0.10		1.8831
		3859277					19.1237

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.23	C6-C7	1347821	1.8530	-----	0.00		1.8530
7.58	C7-C8	828059	1.9351	-----	0.00		1.9351
		2175880					3.7881

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A007.TX0

Software Version: 4.1<2F12>
Sample Name : 5000/80PPB GAS/TFT
Sample Number: 5000PPB
Operator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

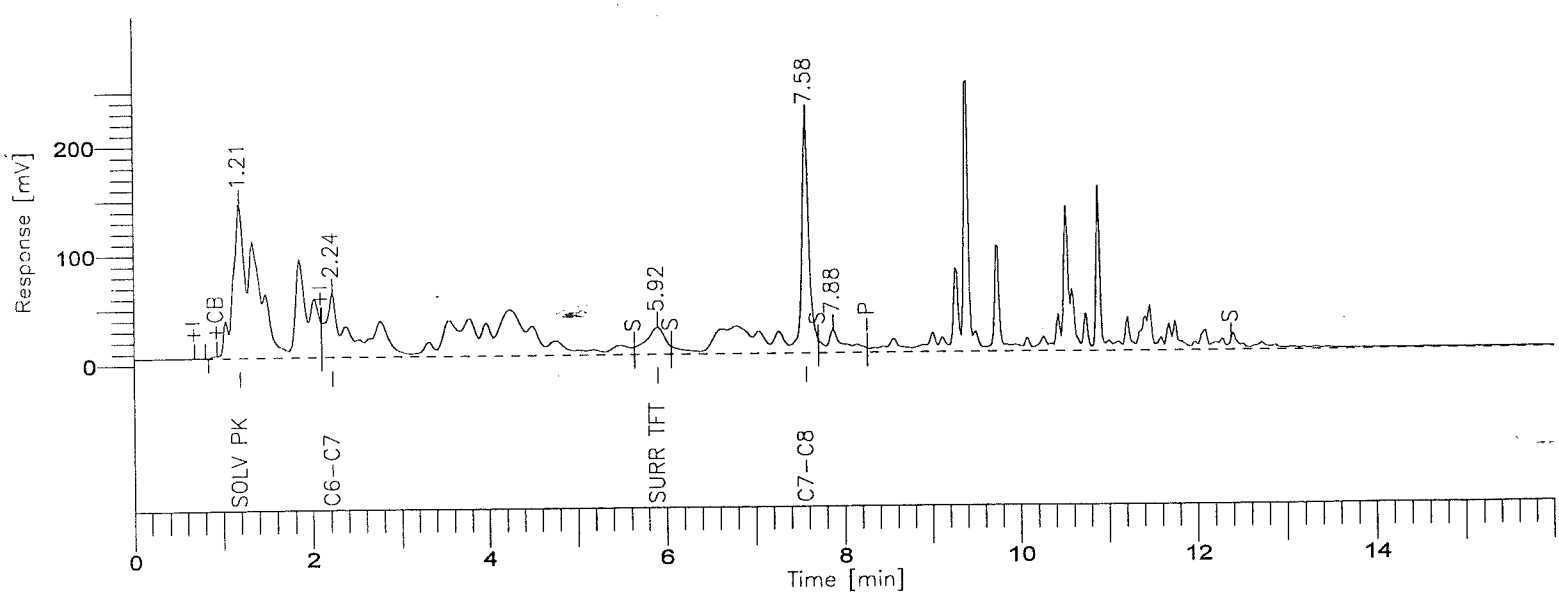
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 07:53 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A008.RAW
Result File : C:\TC4\GC15\925A008.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A008.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000816

BOE-C6-0158363

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.20	SOLV PK	3456286	39.5619	-----	0.00		39.5619
5.92	SURR TFT	364654	0.0810	202.5	0.00		0.0810
7.58	GASOLINE RANGE	5826556	5.0375	-----	0.10		5.0375
		9647496					44.6804

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.24	C6-C7	3586046	5.0347	-----	0.00		5.0347
7.58	C7-C8	2240510	5.0420	-----	0.00		5.0420
		5826556					10.0767

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A008.TX0

Turbochrom Sequence File : C:\TC4\GC15\925A.SEQ
Created by : JKA on : 9/25/00 04:35 PM
Edited by : JKA on : 9/25/00 08:55 PM
Description : TVPH BY PURGE AND TRAP BY METHOD 8015B

TVPH STD: #122-2
TVPH QC SPIKE: #121-1
SURROGATE (TFT): #117-1-A

Number of Times Edited : 3

Sequence File Header Information:

Number of Rows : 30
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	9/25/00	BLK	9/25/00	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
2	Sample	RT MARKER	RT MARKER		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
3	Cal:Replace	50/10PPB GAS/TF	50PPB GAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
4	Cal:Replace	200/20PPB GAS/T	200PPB GAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
5	Cal:Replace	500/30PPB GAS/T	500PPB GAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
6	Cal:Replace	1000/40PPB GAS/	1000PPB		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
7	Cal:Replace	2000/60PPB GAS/	2000PPB		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
8	Cal:Replace	5000/80PPB GAS/	5000PPB		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
	Sample	2ND SOURCE VERI	2ND SOURCE		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
	Sample	BLK-S	BLK	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
11	Sample	MDL STUDY - 50P	REPL#1	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
12	Sample	MDL STUDY - 50P	REPL#2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
13	Sample	MDL STUDY - 50P	REPL#3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	MDL STUDY - 50P	REPL#4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	MDL STUDY - 50P	REPL#5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
16	Sample	MDL STUDY - 50P	REPL#6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	MDL STUDY - 50P	REPL#7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
18	Sample	GASCCV			1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
19	Sample	GASCCV			1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
20	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
21	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
22	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
23	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
24	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
25	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
26	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
27	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
28	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
29	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
30	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000

Software Version: 4.1<2F12>
Sample Name : 9/25/00
Sample Number: BLK
Operator :

Time : 9/25/00 05:11 PM
Study : 9/25/00

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

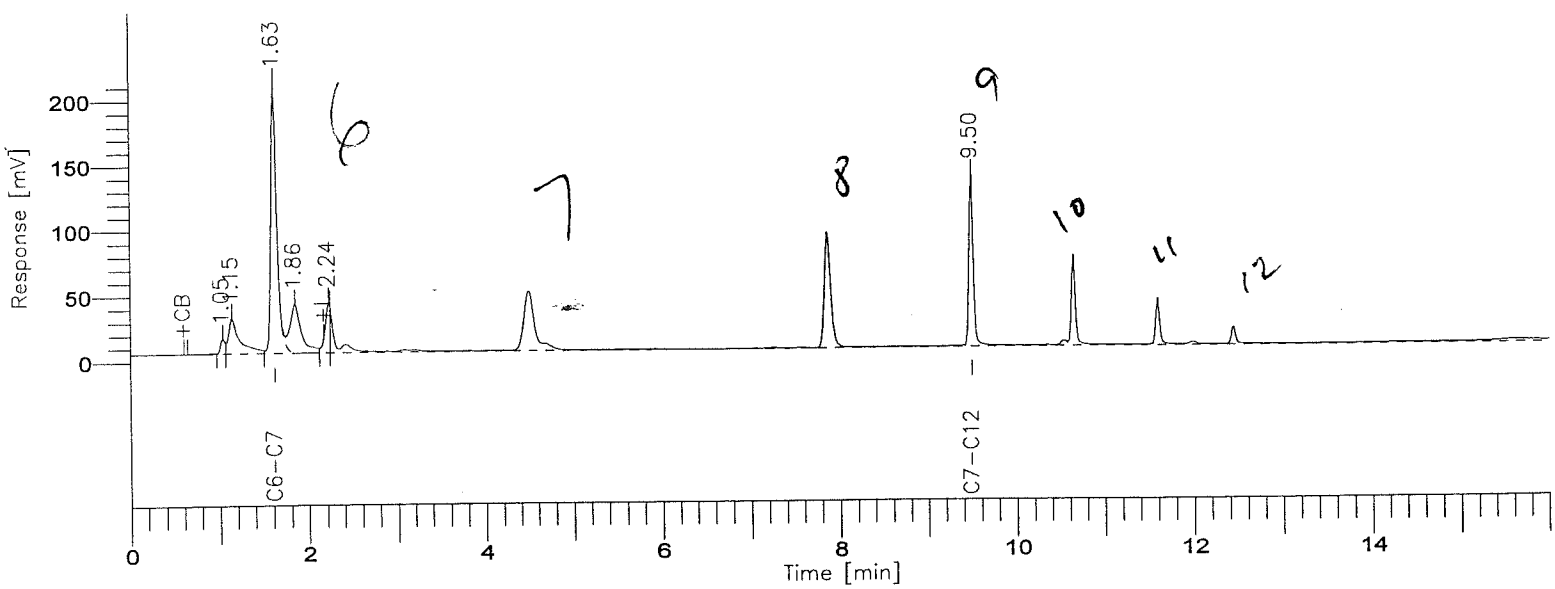
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 04:55 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A001.RAW
Result File : C:\TC4\GC15\925A001.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A001.RST
Proc Method : C:\TC4\GC15\METHODS\714GAS
Calib Method : C:\TC4\GC15\METHODS\714GAS
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000819

BOE-C6-0158366

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.63	GASOLINE RANGE	3138229	1.5021	-----	0.10		1.5021
		3138229					1.5021

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.63	C6-C7	952915	1.1505	-----	0.00		1.1505
9.50	C7-C12	2185314	1.7278	-----	0.00		1.7278
		3138229					2.8783

SML - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A001.TX0

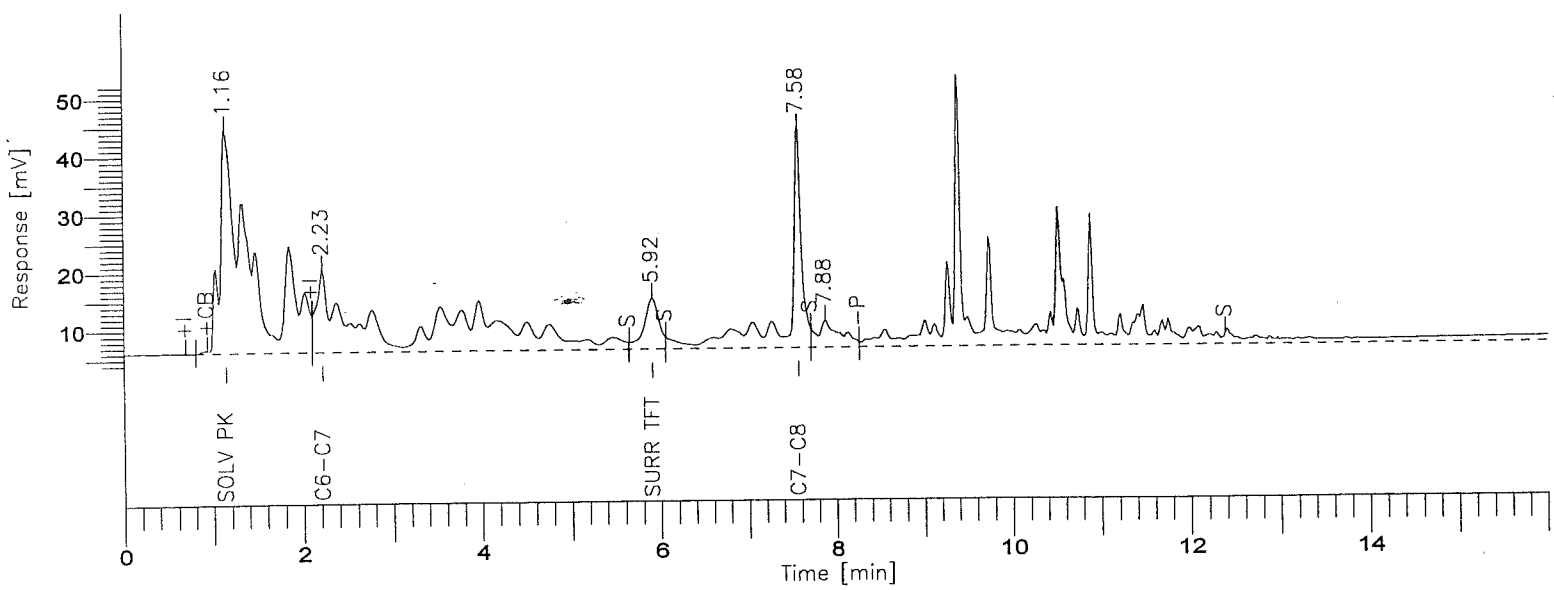
Software Version: 4.1<2F12>
Sample Name : 2ND SOURCE VERIFICATION Time : 9/25/00 08:52 PM
Sample Number: 2ND SOURCE Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 08:22 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A009.RAW
Result File : C:\TC4\GC15\925A009.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A009.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000821

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.16	SOLV PK	902740	10.3331	0.0000	-----
5.92	SURR TFT	104606	0.0381	0.0400	-4.7
7.57	GASOLINE RANGE	1208459	1.0675	1.0000	6.7
		2215805			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.23	C6-C7	820142	1.1675	0.0000	-----
7.57	C7-C8	388317	0.9078	0.0000	-----
		1208459			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A009.TX0

TEPH

LEVEL III

C8 TO C40+

BOE-C6-0158370

C8-C40.XLS

C8-C40+ BAP CORRN

GC1 ICAL 10/3/00 CF (C28-C31)= 21467.96633

SAMPLE	FILE	AREA C28-C31	AREA BAP	CORR'D C28-C31 AREA/CF	UNCORR'D TOT C-CHAI	UNCORR'D C28-C31	CORRECTED TOT C-CHAIN	RL
272-MB	18	601802	584339	0.203361	9.313	7.008	2.508361135	10
272-1	20	589980	570366	0.22841	10.236	6.87	3.594410084	10
~~272-3 DUP~~	~~23~~	~~472273~~	~~457133~~	~~0.176309~~	~~49.852~~	~~5.5~~	~~44.5283092~~	~~10~~
272-4	24	586626	572788	0.161147	9.894	6.831	3.224147076	10
272-8	25	586574	574397	0.141804	10.248	6.831	3.558804303	10
272-9	26	617572	599234	0.213551	9.623	7.192	2.644550736	10
272-10	27	602414	584191	0.212212	10.941	7.015	4.138211531	10
272-11	30	588364	573723	0.170498	9.15	6.852	2.468498218	10
272-13	32	569088	551351	0.206552	12.153	6.627	5.732551936	10
272-14	33	558585	543572	0.17483	10.34	6.505	4.009830254	10
272-15	34	595602	585454	0.118176	14.889	6.936	8.071176075	10
272-16	35	632780	624964	0.091019	10.989	7.369	3.711019334	10
272-17	36	546453	533843	0.146847	10.12	6.364	3.902846699	10
272-18	37	511477	496351	0.176146	9.369	5.956	3.589146168	10
272-20	39	577101	565046	0.140384	10.158	6.72	3.578383581	10
272-21	40	630572	612425	0.211326	10.134	7.343	3.002326491	10
272-3	48	586580	552765	0.393784	58.779	6.831	52.34178439	10
272-12	49	815833	562643	2.948463	14.868	9.501	8.315462795	10
272-19	50	677780	570501	1.249292	16.992	7.893	10.3482916	10

OK LB 10/25/N

TEPH

SAMPLE AND QC DATA

$C_8 \rightarrow C_{40}$

Date(s) Analyzed: 10-19, 20-00

Instrument ID: GC1 GC2 GC3

Lab #: EWJ100272

Batch #: 0285329

Samples: B, C, 1, 1S, 1D, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21

EXTRACTION NOTES

BOE-C6-0158373

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

10/16

Run Date: 10/11/00
Time: 19:38:33

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 355979 Cornelia Apahidean

Concentrationist: 355979 Cornelia Apahidean

QC BATCH: 0285569

PREP DATE: 10/11/00
COMP DATE: 10/11/00

Reviewer/Date: APAHIDEC / 10/11/00

Hydrocarbons, Extractable Petroleum (8015B)
EXTRACTION, SOLID/SOLVENT (Auto shaker)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/24/00	10/16/00	E0J100272-001 **DLW5C-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-001 **DLW5C-1-1US**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-001 **DLW5C-1-1VD**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-003 **DLW5M-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-004 **DLW5N-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-013 **DLW6C-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-014 **DLW6D-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															

C-chain

BOE-C6-0158374

0280827

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/11/00
Time: 19:38:33

QC BATCH: 0285569

PREP DATE: 10/11/00
COMP DATE: 10/11/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/24/00	10/16/00	E0J100272-015 **DLW6E-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-016 **DLW6F-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-017 **DLW6G-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-018 **DLW6J-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-019 **DLW6L-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-020 **DLW6M-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-021 **DLW6P-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-008 **DLW60-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-009 **DLW62-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-010 **DLW63-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															

000828

BOE-C6-0158375

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/11/00
Time: 19:38:33

QC BATCH: 0285569

PREP DATE: 10/11/00
COMP DATE: 10/11/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/24/00	10/16/00	E0J100272-011 **DLW65-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	10/16/00	E0J100272-012 **DLW69-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	0/00/00	E0J110000-569 **DM1DP-1-AAB**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/24/00	0/00/00	E0J110000-569 **DM1DP-1-ACC**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1566-2SCS/250PPM/1ML
COMMENTS:															

SPKD BY: CA MECL2/T23272 NA2SO4/8024
METHOD : SOLID/SOLVENT EXTRACTION (AUTO SHAKER).
RELINQUISHED BY/DATE: CA 10-12-00 RECEIVED BY/DATE: EC 10-12-00

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 21

000829

BOE-C6-0158376

Turbochrom Sequence File : C:\TC4\DATA_01\019.SEQ
Created by : doug on : 10/18/00 05:45 PM
Edited by : EC on : 10/20/00 08:29 AM
Description :

Number of Times Edited : 9

Sequence File Header Information: FJK 10/26/00

Number of Rows : 159
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	#TEPH00-175 DIE	40 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	#TEPH00-176 DIE	100 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Cal:Replace	#TEPH00-179 DIE	2000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	#TEPH00-175 DIE	40 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	#TEPH00-176 DIE	100 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Cal:Replace	#TEPH00-179 DIE	2000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Cal:Replace	#TEPH00-181 DIE	5000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Std Check	#TEPH00-129 SEC	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	272-MB	DM1DP1AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	272-LCS	DM1DP1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	272-01	DLW5C102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	272-01 MS	DLW5C11US	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	271-01 MSD	DLW5C11VD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	272-03	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	272-04	DLW5N102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	272-08	DLW60102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	272-09	DLW62102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	272-10	DLW63102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Std Check OK	#TEPH00-178 DIE	1000 PPM OK	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Std Check Hi	#TEPH00-167 RT	30 PPM wshug	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	272-11	DLW65102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	272-12	DLW69102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	272-13	DLW6C102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	272-14	DLW6D102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	272-15	DLW6E102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	272-16	DLW6F102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	272-17	DLW6G102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	272-18	DLW6J102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	272-19	DLW6L102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	272-20	DLW6M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	272-21	DLW6P102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Std Check	#TEPH00-178 DIE	1000 PPM OK	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Std Check	#TEPH00-167 RT	30 PPM OK	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	326-02	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	326-02 MS	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	326-02 MSD	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Std Check	#TEPH00-178 DIE	1000 PPM OK	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	#TEPH00-167 RT	30 PPM OK	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	272-03	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	272-12	DLW69102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	272-19	DLW6L102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	274-MB	DM1D01AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	274-LCS	DM1D-1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	274-26	DLW7L101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	274-26 MS	DLW7L104S	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	274-26 MSD	DLW7L105D	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	274-27	DLW7P101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	274-28	DLW7Q101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Std Check	#TEPH00-178 DIE	1000 PPM OK	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Std Check	#TEPH00-167 RT	30 PPM OK	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
60	Sample	274-29	DLW7T101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

61	Sample	274-30	DLW7V101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
62	Sample	274-31	DLW7W101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	274-32	DLW7X101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	274-33	DLW80102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	274-34	DLW81102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	274-37	DLW84102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
67	Sample	274-38	DLW85102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
68	Sample	274-39	DLW86102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	274-MB	DM1DR1AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
J	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Sample	274-LCS	DM1DR1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
73	Sample	274-02	DLW5L102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample	274-02 MS	DLW5L105S	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample	274-02 MSD	DLW5L106D	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample	274-03	DLW5Q102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample	274-05	DLW5W102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample	274-06	DLW5X102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample	274-07	DLW61102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample	274-09	DLW6K101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample	274-10	DLW6N101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
83	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
84	Sample	274-11	DLW6R102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
85	Sample	274-12	DLW6W102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
86	Sample	274-14	DLW70102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
87	Sample	274-15	DLW73102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
88	Sample	274-16	DLW75102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
89	Sample	274-17	DLW76102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
90	Sample	274-18	DLW77102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
91	Sample	274-20	DLW79102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
92	Sample	274-22	DLW7C102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
93	Sample	274-24	DLW7H102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
94	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
95	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
96	Sample	274-25	DLW7K102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
97	Sample	284-01	DM09M1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
98	Sample	284-02	DM09P1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
99	Sample	284-03	DM09Q1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
100	Sample	284-04	DM09R1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
101	Sample	284-06	DM09V1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
102	Sample	284-11	DM0931AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
103	Sample	284-13	DM0981AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	284-14	DM1AA1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	284-15	DM1AE1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
106	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
107	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
108	Sample	284-21	DM1AR1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
109	Sample	284-22	DM1AV1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
110	Sample	284-23	DM1AX1AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
111	Sample	284-24	DM1A11AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
112	Sample	MECL2	MECL2	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
113	Sample	284-MB	DM3K31AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
114	Sample	284-LCS	DM3K31ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
115	Sample	284-25	DM1A31AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
116	Sample	284-26	DM1A51AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
117	Sample	284-27	DM1A61AD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
118	Sample	292-02	DM1DQ1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
119	Sample	292-02 MS	DM1DQ1A2S	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
120	Sample	292-02 MSD	DM1DQ1A3D	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
121	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
122	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
123	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
124	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
125	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
126	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
127	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
128	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
129	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
130	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
131	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
132	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
133	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
134	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
135	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
136	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
137	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
138	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
141	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
142	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
143	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
144	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
145	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
146	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
147	Sample			ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/19/00 08:29 PM
Sample Number: 30 PPM Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 08:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

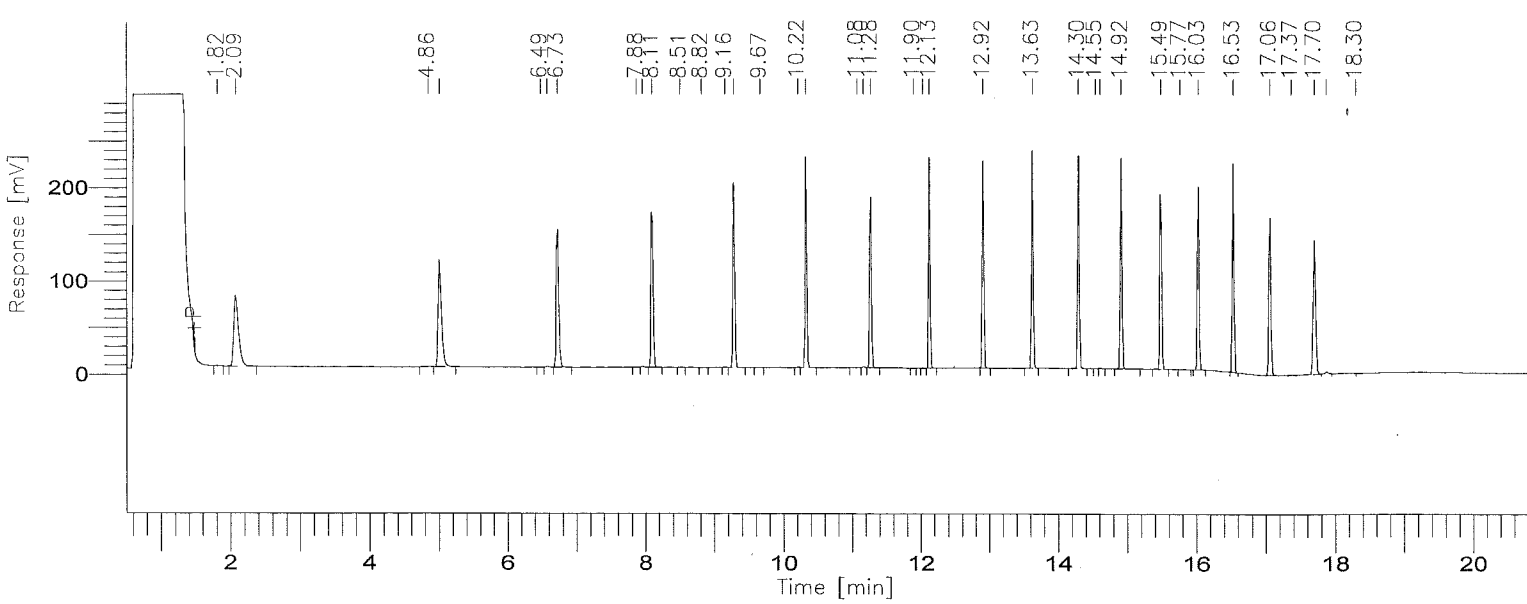
Raw Data File : C:\TC4\DATA_01\O19_017.RAW
Result File : C:\TC4\DATA_01\O19_017.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O19_017.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 38



000832

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	367893	36.8192	30.0	22.73
5.772	C10-C11	387080	36.6851	30.0	22.28
7.314	C12-C13	380546	35.4620	30.0	18.21
8.586	C14-C15	370894	30.7901	30.0	2.63
9.692	C16-C17	368606	34.0560	30.0	13.52
10.720	C18-C19	364446	30.3469	30.0	1.16
12.018	C20-C23	719444	33.1346	30.0	10.45
13.534	C24-C27	723958	34.4915	30.0	14.97
14.819	C28-C31	731883	34.0919	30.0	13.64
15.898	C32-C35	724248	33.6429	30.0	12.14
16.990	C36-C39	713624	33.3186	30.0	11.06
19.290	C40+	366423	35.4907	30.0	18.30
		6219043	408.3296		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.087		365889	0.3659	------	----------
4.857		2004	0.0020	------	----------
		367893	0.3679		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.019		383720	0.3837	------	----------
6.486		468	0.0005	------	----------
6.583		2892	0.0029	------	----------
		387080	0.3871		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.728		377532	0.3775	------	----------
7.880		838	0.0008	------	----------
7.969		2177	0.0022	------	----------
		380546	0.3805		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.107		369630	0.3696	------	----------
8.508		716	0.0007	------	----------
8.823		548	0.0005	------	----------
		370894	0.3709		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.163		1520	0.0015	------	----------
9.287		365655	0.3657	------	----------
9.670		299	0.0003	------	----------
10.218		1132	0.0011	------	----------
		368606	0.3686		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.334		360483	0.3605	------	----------
11.081		1659	0.0017	------	----------
11.170		2304	0.0023	------	----------
		364446	0.3644		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D

11.278	359092	0.3591	------	----------
11.899	873	0.0009	------	----------
12.034	1036	0.0010	------	----------
12.133	358443	0.3584	------	----------
	719444	0.7194		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.916		360314	0.3603	------	----------
13.634		363644	0.3636	------	----------
		723958	0.7240		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.299		365866	0.3659	------	----------
14.550		274	0.0003	------	----------
14.615		737	0.0007	------	----------
14.916		365006	0.3650	------	----------
		731883	0.7319		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.489		364485	0.3645	------	----------
15.769		1652	0.0017	------	----------
16.030		358110	0.3581	------	----------
		724248	0.7242		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.534		354912	0.3549	------	----------
17.063		358213	0.3582	------	----------
17.367		499	0.0005	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
		713624	0.7136		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.701		352471	0.3525	------	----------
17.875		9261	0.0093	------	----------
18.300		4692	0.0047	------	----------
		366423	0.3664		

Missing Component Report

Component	Expected Retention (Calibration File)
All components were found	

ıed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_017.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/20/00 08:46 AM
Sample Number: 1000 PPM Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 01:42 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

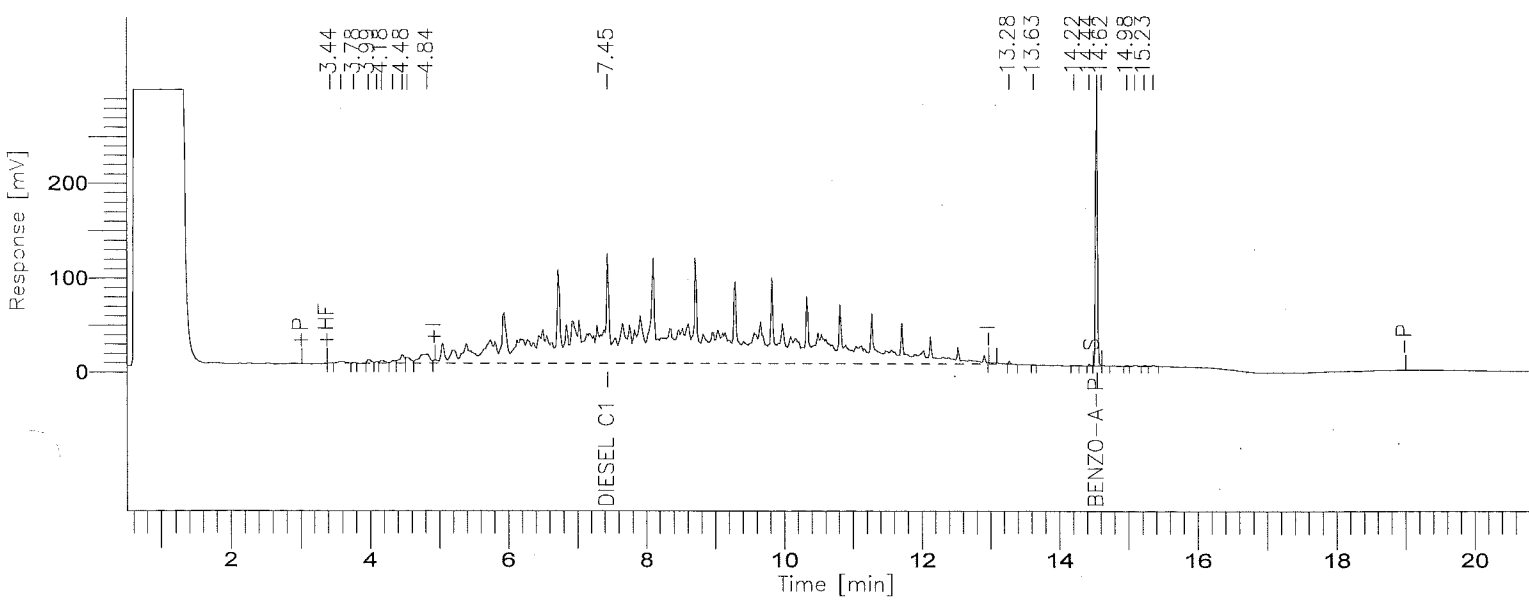
Raw Data File : C:\TC4\DATA_01\O19_028.RAW
Result File : C:\TC4\DATA_01\O19_028.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_028.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



000837

BOE-C6-0158384

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.439		804	0.0008	------	----------
3.594		13651	0.0137	------	----------
3.781		2482	0.0025	------	----------
3.991		14887	0.0149	------	----------
4.111		4338	0.0043	------	----------
4.182		14791	0.0148	------	----------
4.345		11455	0.0115	------	----------
4.478		44250	0.0442	------	----------
4.547		28813	0.0288	------	----------
4.838		105404	0.1054	------	----------
7.453	DIESEL C10-C24	10829711	1061.2164	1000.0	6.12
13.283		4364	0.0044	------	----------
13.634		1684	0.0017	------	----------
14.219		2658	0.0027	------	----------
14.436		2901	0.0029	------	----------
14.547	BENZO-A-PYRENE	621076	49.3494	50.0	-1.30
14.617		1139	0.0011	------	----------
14.984		3118	0.0031	------	----------
15.100		4393	0.0044	------	----------
15.234		2547	0.0025	------	----------
15.364		2714	0.0027	------	----------
		11717182	1110.8322		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_028.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/20/00 02:32 AM
Sample Number: 30 PPM Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 02:12 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

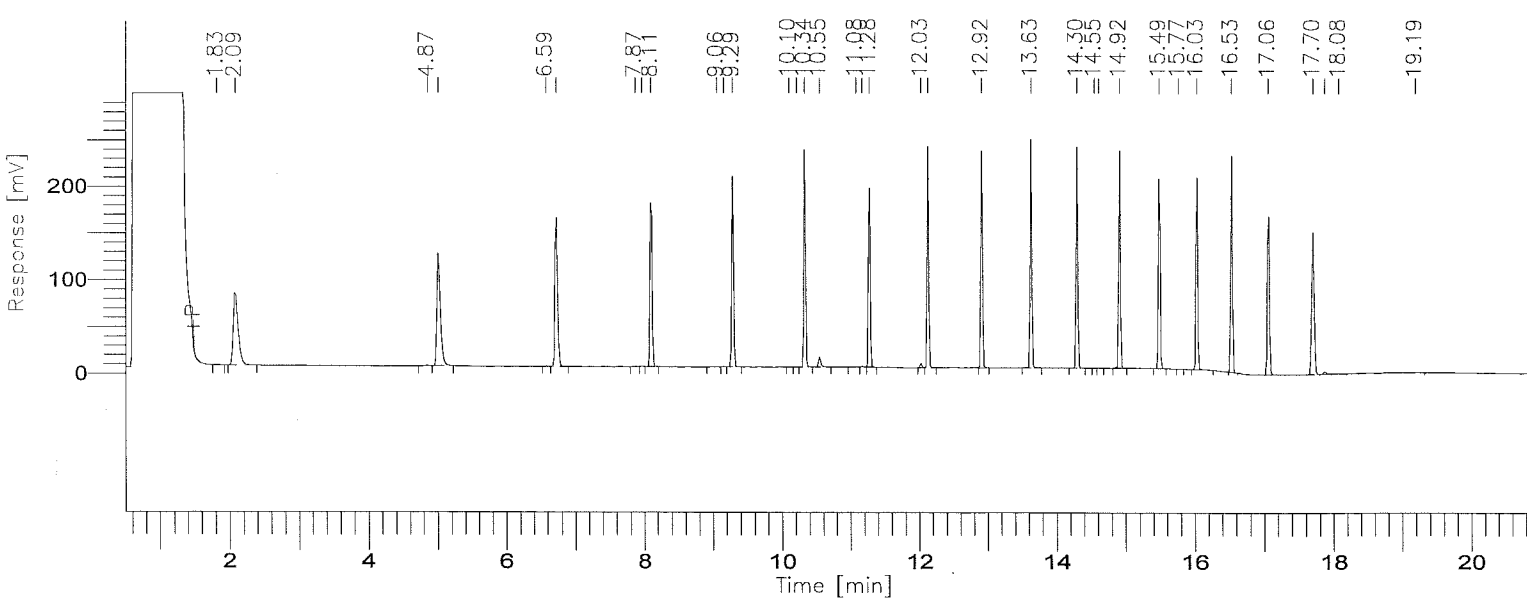
Raw Data File : C:\TC4\DATA_01\O19_029.RAW
Result File : C:\TC4\DATA_01\O19_029.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O19_029.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 36



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	387318	38.7634	30.0	29.21
5.772	C10-C11	412619	39.1055	30.0	30.35
7.314	C12-C13	405253	37.7643	30.0	25.88
8.586	C14-C15	392932	32.6197	30.0	8.73
9.692	C16-C17	388811	35.9229	30.0	19.74
10.720	C18-C19	407026	33.8925	30.0	12.98
12.018	C20-C23	766082	35.2826	30.0	17.61
13.534	C24-C27	761806	36.2947	30.0	20.98
14.819	C28-C31	764211	35.5977	30.0	18.66
15.898	C32-C35	756174	35.1259	30.0	17.09
16.990	C36-C39	740160	34.5575	30.0	15.19
19.290	C40+	411404	39.8475	30.0	32.82
		6593798	434.7743		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.091		385280	0.3853	------	----------
4.865		2038	0.0020	------	----------
		387318	0.3873		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.020		410460	0.4105	------	----------
6.587		2159	0.0022	------	----------
		412619	0.4126		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
6.730		401820	0.4018	------	----------
7.872		1302	0.0013	------	----------
7.971		2131	0.0021	------	----------
		405253	0.4053		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.107		391640	0.3916	------	----------
9.064		1293	0.0013	------	----------
		392932	0.3929		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.164		1554	0.0016	------	----------
9.287		385267	0.3853	------	----------
10.104		740	0.0007	------	----------
10.219		1250	0.0012	------	----------
		388811	0.3888		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.335		379582	0.3796	------	----------
10.551		23533	0.0235	------	----------
11.083		1587	0.0016	------	----------
11.170		2324	0.0023	------	----------
		407026	0.4070		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.278		379228	0.3792	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.030		9490	0.0095	------	----------
12.133		377364	0.3774	------	----------
		766082	0.7661		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.916		379088	0.3791	------	----------
13.634		382717	0.3827	------	----------
		761806	0.7618		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.299		382859	0.3829	------	----------
14.550		536	0.0005	------	----------
14.613		674	0.0007	------	----------
14.916		380142	0.3801	------	----------
		764211	0.7642		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.488		379484	0.3795	------	----------
15.765		383	0.0004	------	----------
16.030		376307	0.3763	------	----------
		756174	0.7562		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.533		370476	0.3705	------	----------
17.061		369684	0.3697	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
		740160	0.7402		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.700		363939	0.3639	------	----------
17.873		10149	0.0101	------	----------
18.080		6162	0.0062	------	----------
19.188		31154	0.0312	------	----------
		411404	0.4114		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_029.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/20/00 08:49 AM
Sample Number: 1000 PPM Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 08:14 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

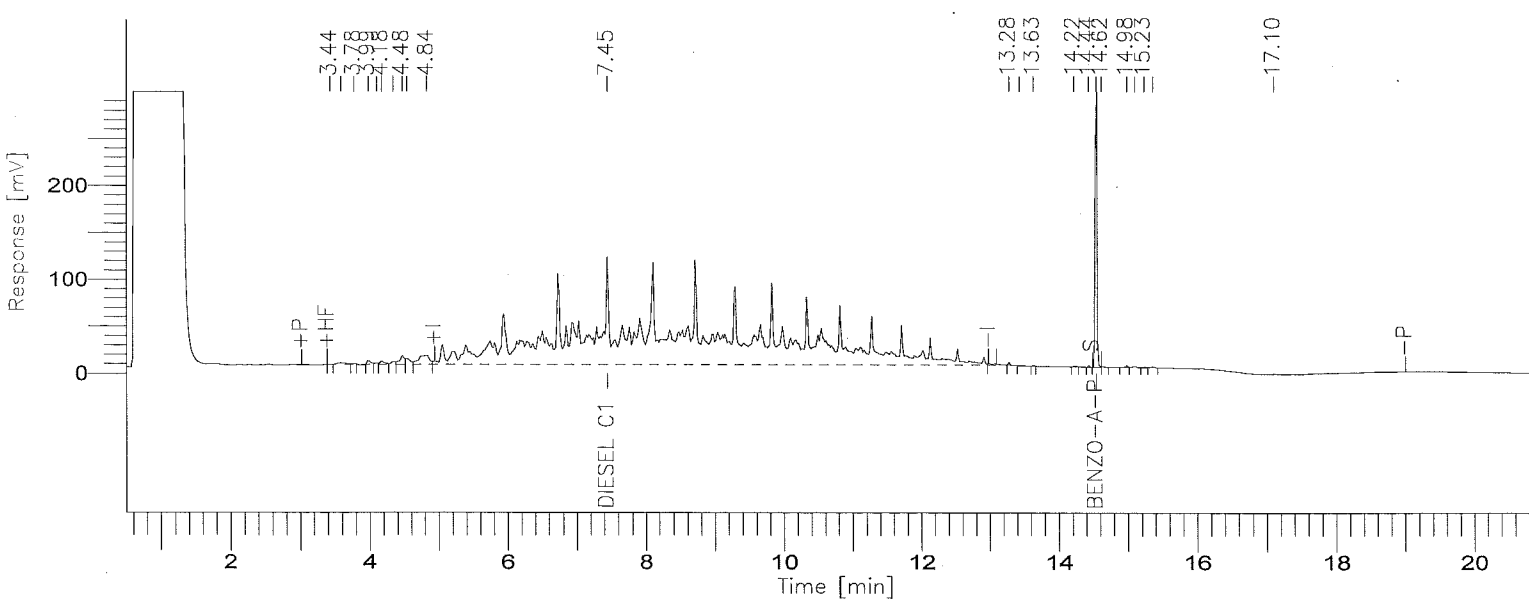
Raw Data File : C:\TC4\DATA_01\O19_041.RAW
Result File : C:\TC4\DATA_01\O19_041.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_041.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 23



000844

BOE-C6-0158391

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.439		728	0.0007	------	----------
3.595		13146	0.0131	------	----------
3.783		2249	0.0022	------	----------
3.991		14211	0.0142	------	----------
4.112		3875	0.0039	------	----------
4.183		13608	0.0136	------	----------
4.347		10584	0.0106	------	----------
4.479		42648	0.0426	------	----------
4.546		27941	0.0279	------	----------
4.837		102352	0.1024	------	----------
7.453	DIESEL C10-C24	10558564	1034.6463	1000.0	3.46
13.283		4268	0.0043	------	----------
13.431		703	0.0007	------	----------
13.634		1648	0.0016	------	----------
14.218		2415	0.0024	------	----------
14.435		2794	0.0028	------	----------
14.545	BENZO-A-PYRENE	597498	47.4760	50.0	-5.05
14.617		923	0.0009	------	----------
14.984		3160	0.0032	------	----------
15.100		3934	0.0039	------	----------
15.233		2411	0.0024	------	----------
15.363		2719	0.0027	------	----------
17.099		673	0.0007	------	----------
		11413051	1082.3793		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_041.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/20/00 09:05 AM
Sample Number: 30 PPM Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 08:44 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

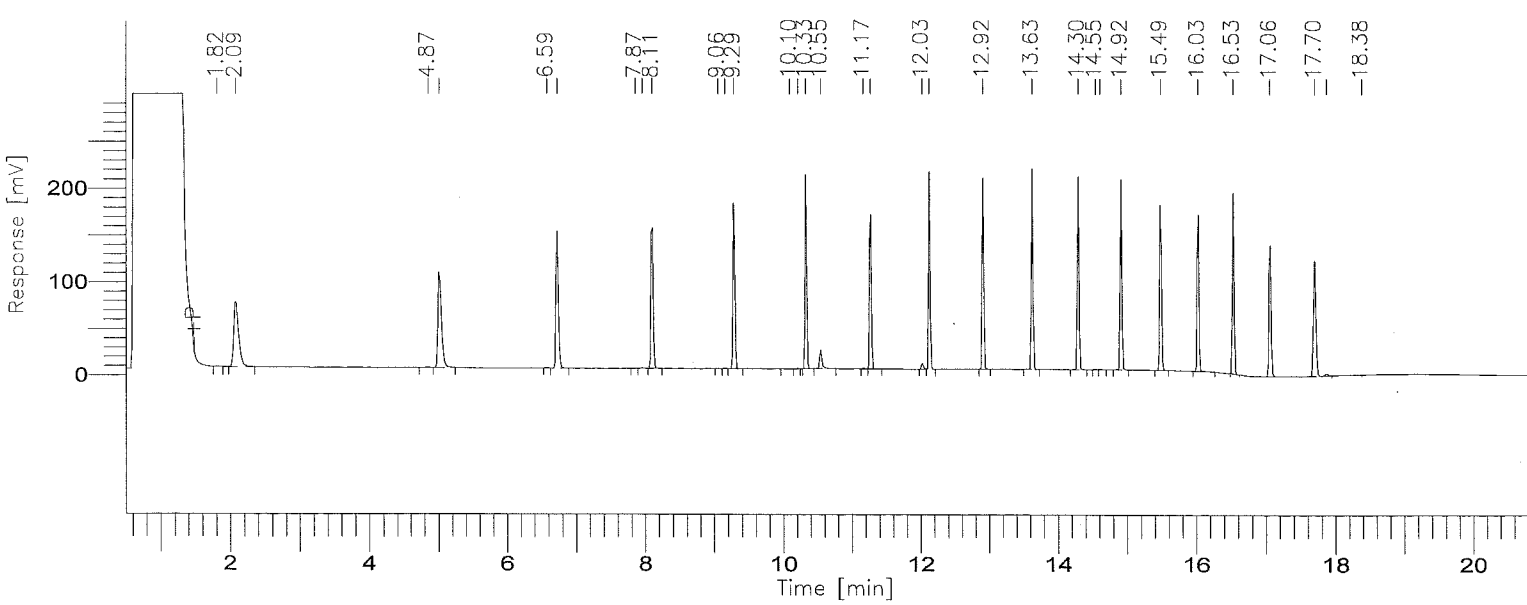
Raw Data File : C:\TC4\DATA_01\O19_042.RAW
Result File : C:\TC4\DATA_01\O19_042.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O19_042.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 33



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	347122	34.7404	30.0	15.80
5.772	C10-C11	361586	34.2689	30.0	14.23
7.314	C12-C13	355502	33.1282	30.0	10.43
8.586	C14-C15	346257	28.7449	30.0	-4.18
9.692	C16-C17	342869	31.6782	30.0	5.59
10.720	C18-C19	384252	31.9962	30.0	6.65
12.018	C20-C23	682620	31.4387	30.0	4.80
13.534	C24-C27	671475	31.9911	30.0	6.64
14.819	C28-C31	672679	31.3341	30.0	4.45
15.898	C32-C35	650598	30.2217	30.0	0.74
16.990	C36-C39	619468	28.9225	30.0	-3.59
19.290	C40+	313001	30.3164	30.0	1.05
		5747430	378.7813		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.091		345358	0.3454	------	----------
4.865		1764	0.0018	------	----------
		347122	0.3471		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.023		359637	0.3596	------	----------
6.586		1949	0.0019	------	----------
		361586	0.3616		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

000847

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
6.731		352804	0.3528	------	----------
7.871		415	0.0004	------	----------
7.970		2283	0.0023	------	----------
		355502	0.3555		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.109		345444	0.3454	------	----------
9.062		813	0.0008	------	----------
		346257	0.3463		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.164		1105	0.0011	------	----------
9.288		339607	0.3396	------	----------
10.102		1050	0.0010	------	----------
10.217		1107	0.0011	------	----------
		342869	0.3429		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.334		334352	0.3344	------	----------
10.549		47894	0.0479	------	----------
11.170		2007	0.0020	------	----------
		384252	0.3843		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.277		334939	0.3349	------	----------
12.028		14631	0.0146	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.133		333050	0.3330	------	----------
		682620	0.6826		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.915		334008	0.3340	------	----------
13.633		337467	0.3375	------	----------
		671475	0.6715		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.299		337389	0.3374	------	----------
14.548		797	0.0008	------	----------
14.613		632	0.0006	------	----------
14.916		333861	0.3339	------	----------
		672679	0.6727		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.488		329219	0.3292	------	----------
16.029		321380	0.3214	------	----------
		650598	0.6506		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.533		311115	0.3111	------	----------
17.062		308353	0.3084	------	----------
		619468	0.6195		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.701		301694	0.3017	------	----------
17.875		8096	0.0081	------	----------
18.383		3212	0.0032	------	----------
		313001	0.3130		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_042.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/20/00 05:09 PM
Sample Number: 1000 PPM Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 04:49 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

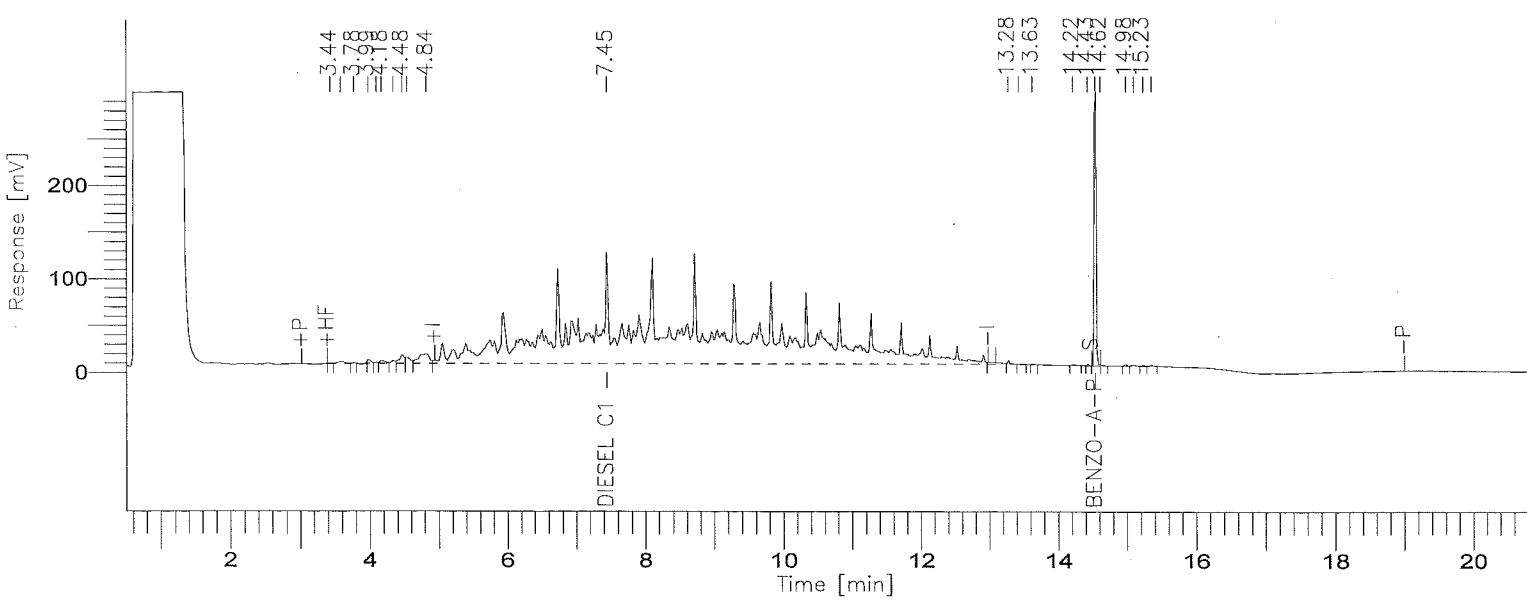
Raw Data File : C:\TC4\DATA_01\O19_058.RAW
Result File : C:\TC4\DATA_01\O19_058.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_058.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 22



000851

BOE-C6-0158398

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.442		734	0.0007	------	----------
3.595		13512	0.0135	------	----------
3.783		2301	0.0023	------	----------
3.993		13018	0.0130	------	----------
4.112		4008	0.0040	------	----------
4.183		14237	0.0142	------	----------
4.346		11109	0.0111	------	----------
4.478		44331	0.0443	------	----------
4.548		29031	0.0290	------	----------
4.836		105894	0.1059	------	----------
7.453	DIESEL C10-C24	11091136	1086.8337	1000.0	8.68
13.283		4406	0.0044	------	----------
13.430		562	0.0006	------	----------
13.633		1681	0.0017	------	----------
[illegible].217		3249	0.0032	------	----------
14.434		2968	0.0030	------	----------
14.543	BENZO-A-PYRENE	621179	49.3576	50.0	-1.28
14.617		881	0.0009	------	----------
14.982		3196	0.0032	------	----------
15.099		3905	0.0039	------	----------
15.232		2596	0.0026	------	----------
15.360		2764	0.0028	------	----------
		11976698	1136.4557		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_058.TX0

PDE120 Severn Trent Laboratories, Inc. Date 10/25/2000
Page: 1 Data Review Time 13:24:00

Lot/Sample: E0J110000-569B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DM1DP-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/19/00
Inject Time..: 20:39 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_018A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:23:49
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number:
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.608	92.864		

Software Version: 4.1<2F12>
Sample Name : 272-MB Time : 10/23/00 10:54 AM
Sample Number: DM1DP1AAB Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 08:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

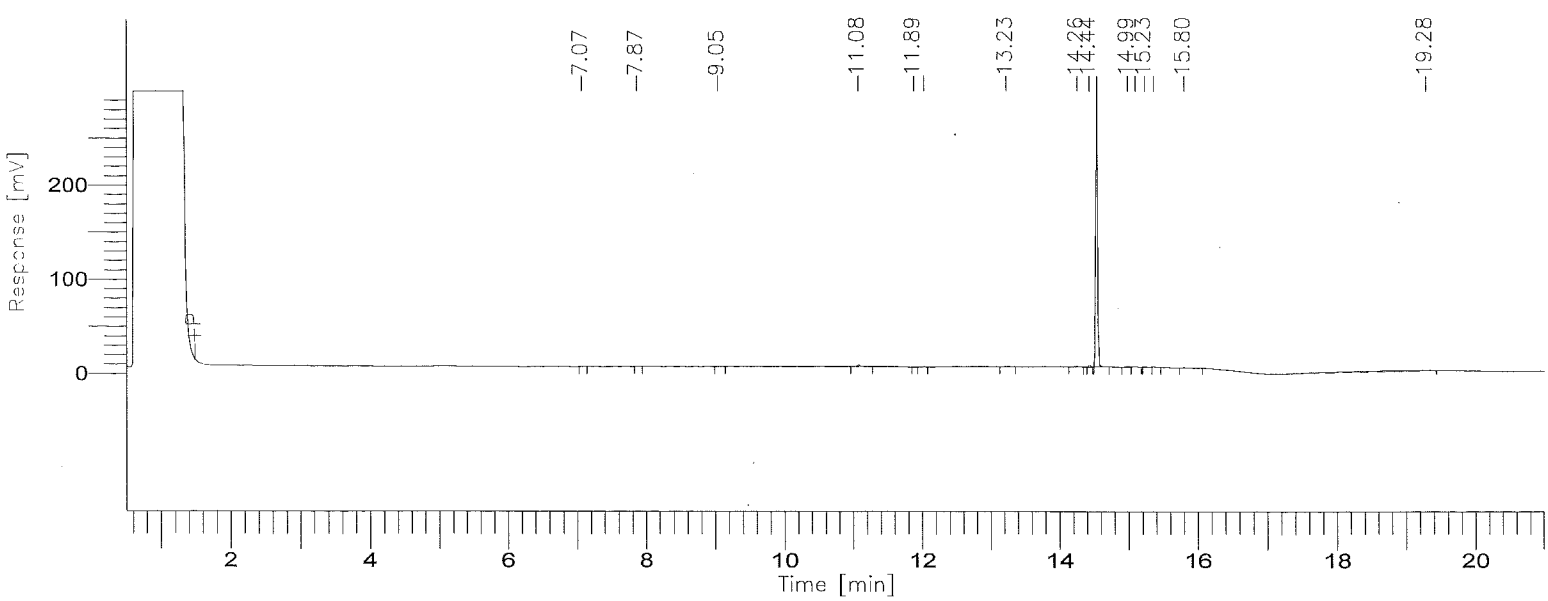
Raw Data File : C:\TC4\DATA_01\O19_018A.RAW
Result File : C:\TC4\DATA_01\O19_018A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_018A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 16



000854

BOE-C6-0158401

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	1024	0.024	------	10.0	
8.59	C14-C15	913	0.019	------	10.0	
9.69	C16-C17	0	0.000	------	10.0	
10.72	C18-C19	5663	0.118	------	10.0	
12.02	C20-C23	2157	0.025	------	10.0	
13.53	C24-C27	2813	0.034	------	10.0	
14.82	C28-C31	601802	7.008	------	10.0	
15.90	C32-C35	1460	0.017	------	10.0	
16.99	C36-C39	0	0.000	------	10.0	
19.29	C40+	85429	2.069	------	10.0	
		701262	9.313			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.07		568	0.000	------	10.0	
87		456	0.000	------	10.0	
		1024	0.000			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		913	0.000	------	10.0	
		913	0.000			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.08		5663	0.001	------	10.0	
		5663	0.001			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.89		621	0.000	------	10.0	
12.03		1536	0.000	------	10.0	
		2157	0.001			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.23		2813	0.001	------	10.0	
		2813	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

14.26	3312	0.001	------	10.0
14.44	3418	0.001	------	10.0
.55	585332	0.146	------	10.0
14.99	2620	0.001	------	10.0
15.10	3229	0.001	------	10.0
15.23	2434	0.001	------	10.0
15.37	1457	0.000	------	10.0
	601802	0.150		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.80		1460	0.000	------	10.0	
		1460	0.000			

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.28		85429	0.021	------	10.0	
		85429	0.021			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_018A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-MB Time : 10/20/00 08:45 AM
Sample Number: DM1DP1AAB Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 08:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

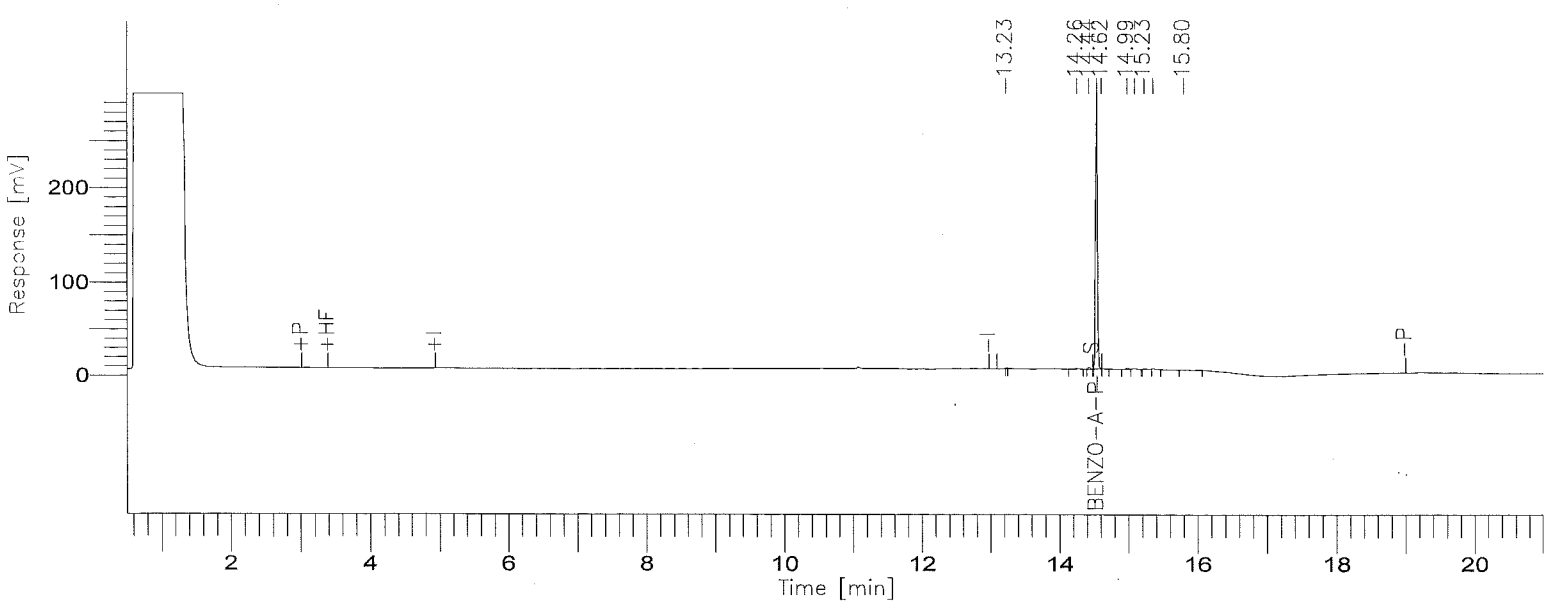
Raw Data File : C:\TC4\DATA_01\O19_018.RAW
Result File : C:\TC4\DATA_01\O19_018.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_018.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 10



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	584339	11.608	92.9	10.0	
		584339	11.608			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_018.TX0

Lot/Sample: E0J110000-569C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DM1DP-1-AC Est. Results: Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/19/00
Inject Time..: 21:09 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_019
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/11 19:34:50
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number:
Prep Time....: 15:00-15:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1564-2DCS/5000PPM/1M
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
04980	Diesel Range Organics			250	NA	0	0		NA
05013	Motor Oil Range Organic			250	NA	0	0		NA
03052	TPH (as Diesel)			250	240.5512	96.22	0		
03053	TPH (as Motor Oil)			250	NA	0	0		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.906	95.2496		NA

Software Version: 4.1<2F12>
Sample Name : 272-LCS Time : 10/20/00 08:45 AM
Sample Number: DM1DP1ACC Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 09:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

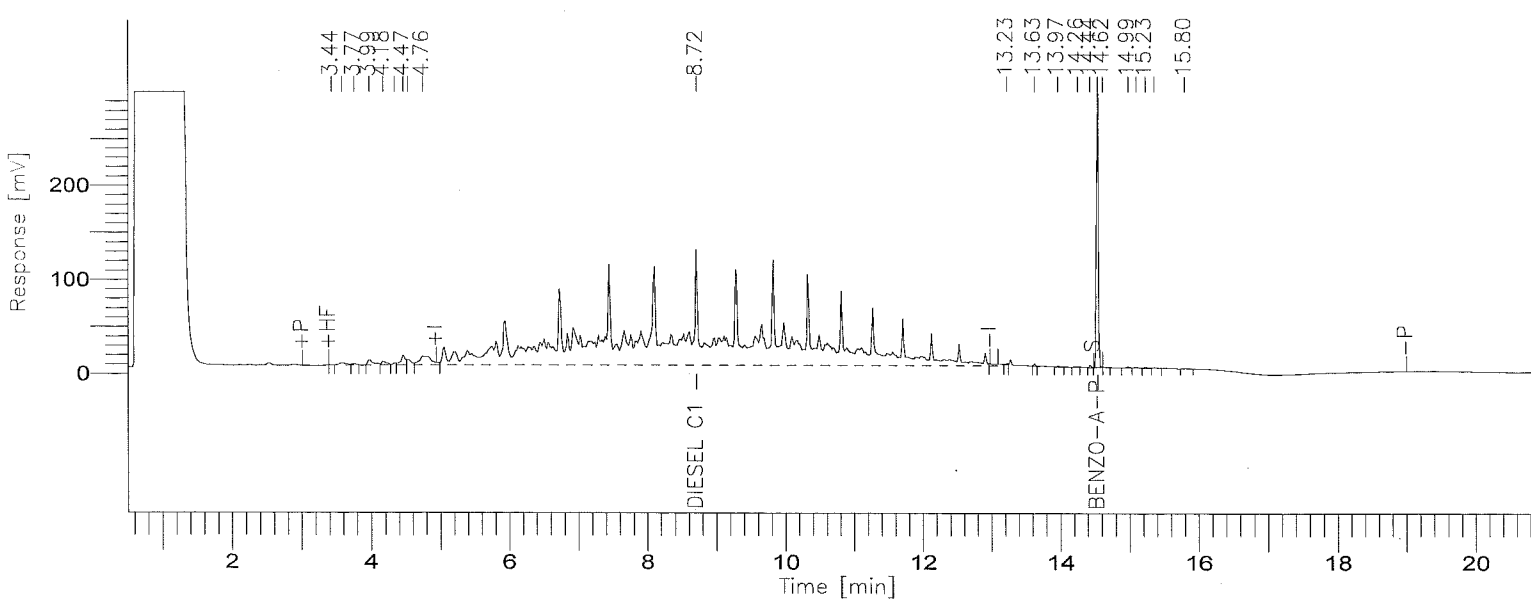
Raw Data File : C:\TC4\DATA_01\O19_019.RAW
Result File : C:\TC4\DATA_01\O19_019.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_019.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 22



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BOE-C6-0158408

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
8.719	DIESEL C10-C24	9819298.00	240.5512	250.00	96.22
14.547	BENZO-A-PYRENE	599369.29	11.9062	12.50	95.25
		10418667.29	252.4574	262.50	191.47

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_019.TX0

Lot/Sample: E0J100272-001 C-2-113-5 TICs.....: N Report Results: Y
WO#.....: DLW5C-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/19/00
Inject Time..: 21:40 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_020A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:24:30
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
04490	Diesel Range Organics (	*		NA	10			NA
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		
04980	Diesel Range Organics	*		NA	10	6		NA
05013	Motor Oil Range Organic	*		NA	10	5		NA
03052	TPH (as Diesel)	*		NA	10	5		NA
03053	TPH (as Motor Oil)	*		NA	10	5		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual

(Continued on next page)

Lot/Sample: E0J100272-001 C-2-113-5 TICs.....: N Report Results: Y
WO#.....: DLW5C-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.330	90.64		

Software Version: 4.1<2F12>
Sample Name : 272-01 Time : 10/23/00 10:54 AM
Sample Number: DLW5C102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 09:40 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

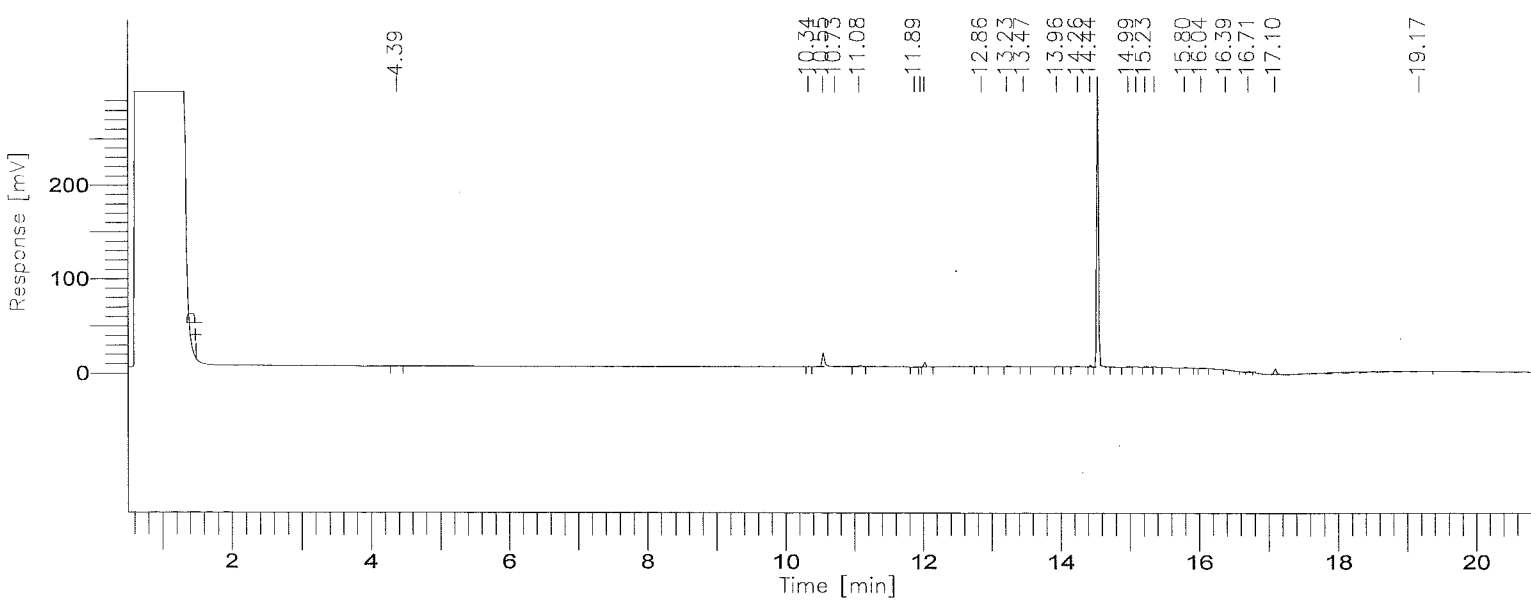
Raw Data File : C:\TC4\DATA_01\O19_020A.RAW
Result File : C:\TC4\DATA_01\O19_020A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_020A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 25



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	1525	0.038	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	0	0.000	------	10.0	
10.72	C18-C19	43446	0.904	------	10.0	
12.02	C20-C23	12690	0.146	------	10.0	
13.53	C24-C27	5910	0.070	------	10.0	
14.82	C28-C31	589980	6.870	------	10.0	
15.90	C32-C35	6473	0.075	------	10.0	
16.99	C36-C39	17104	0.200	------	10.0	
19.29	C40+	79753	1.931	------	10.0	
		756880	10.236			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.39		1525	0.000	------	10.0	
		1525	0.000			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		633	0.000	------	10.0	
10.55		36673	0.009	------	10.0	
10.73		1861	0.000	------	10.0	
11.08		4280	0.001	------	10.0	
		43446	0.011			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.89		516	0.000	------	10.0	
11.97		630	0.000	------	10.0	
12.03		11545	0.003	------	10.0	
		12690	0.003			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.86		1058	0.000	------	10.0	
13.23		2982	0.001	------	10.0	
13.47		730	0.000	------	10.0	
13.96		1140	0.000	------	10.0	
		5910	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.26		4292	0.001	------	10.0	
14.44		3396	0.001	------	10.0	
14.55		571501	0.143	------	10.0	
14.98		2912	0.001	------	10.0	
15.10		2944	0.001	------	10.0	
15.23		3596	0.001	------	10.0	
15.36		1339	0.000	------	10.0	
		589980	0.147			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.80		2459	0.001	------	10.0	
16.04		918	0.000	------	10.0	
16.39		3096	0.001	------	10.0	
		6473	0.002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.71		3485	0.001	------	10.0	
17.10		13619	0.003	------	10.0	
		17104	0.004			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.17		79753	0.020	------	10.0	
		79753	0.020			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

==========

STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O19_020A.TXO

Software Version: 4.1<2F12>
Sample Name : 272-01 Time : 10/20/00 08:45 AM
Sample Number: DLW5C102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 09:40 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

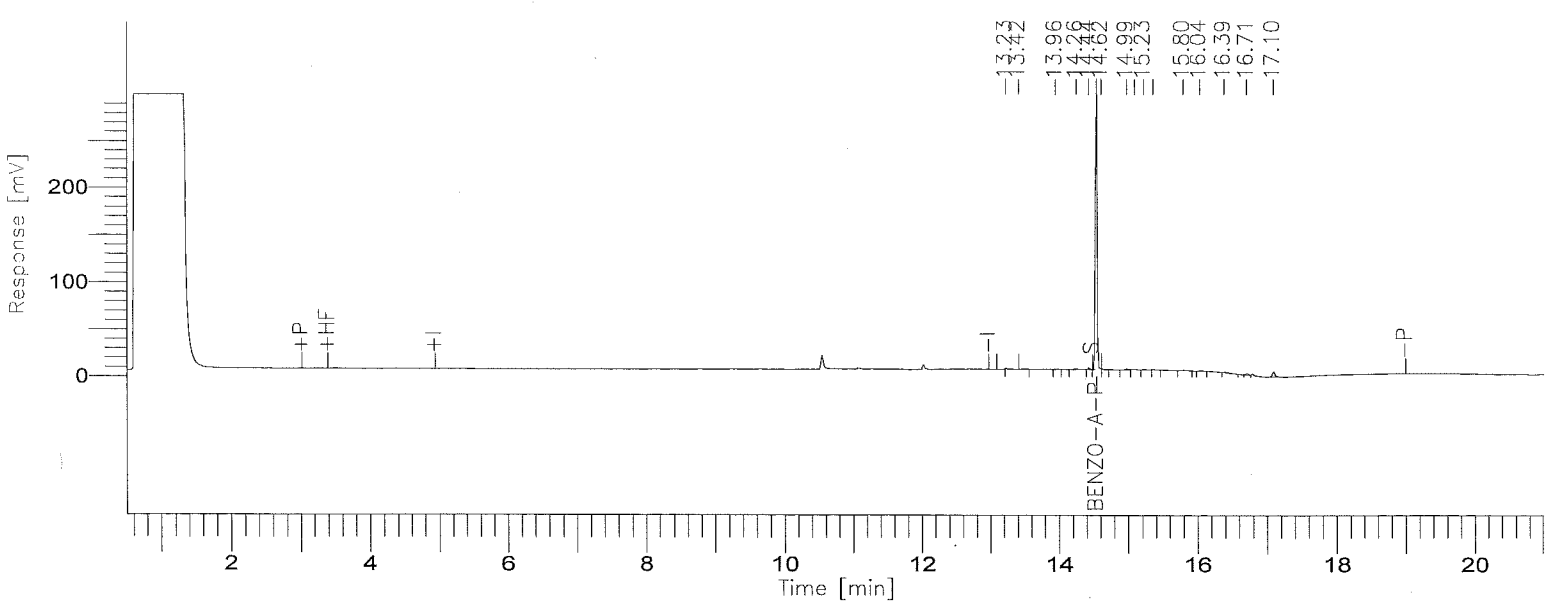
Raw Data File : C:\TC4\DATA_01\O19_020.RAW
Result File : C:\TC4\DATA_01\O19_020.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_020.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 16



000870

BOE-C6-0158417

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	570366	11.330	90.6	10.0	
		570366	11.330			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_020.TX0

Lot/Sample: E0J100272-001S C-2-113-5 TICs.....: N Report Results: Y
WO#.....: DLW5C-1-1U Est. Results: Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/19/00
Inject Time..: 22:10 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_021
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/11 11:20:15
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-15:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1564-2DCS/5000PPM/1M
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
	Sample amount: NA								
04980	Diesel Range Organics			250	NA	0	0		NA
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	258.9197	103.5	1		
	Sample amount: NA								
03053	TPH (as Motor Oil)			250	NA	0	0		NA
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.365	98.9232		NA

Software Version: 4.1<2F12>
Sample Name : 272-01 MS Time : 10/20/00 08:45 AM
Sample Number: DLW5C11US Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 10:10 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

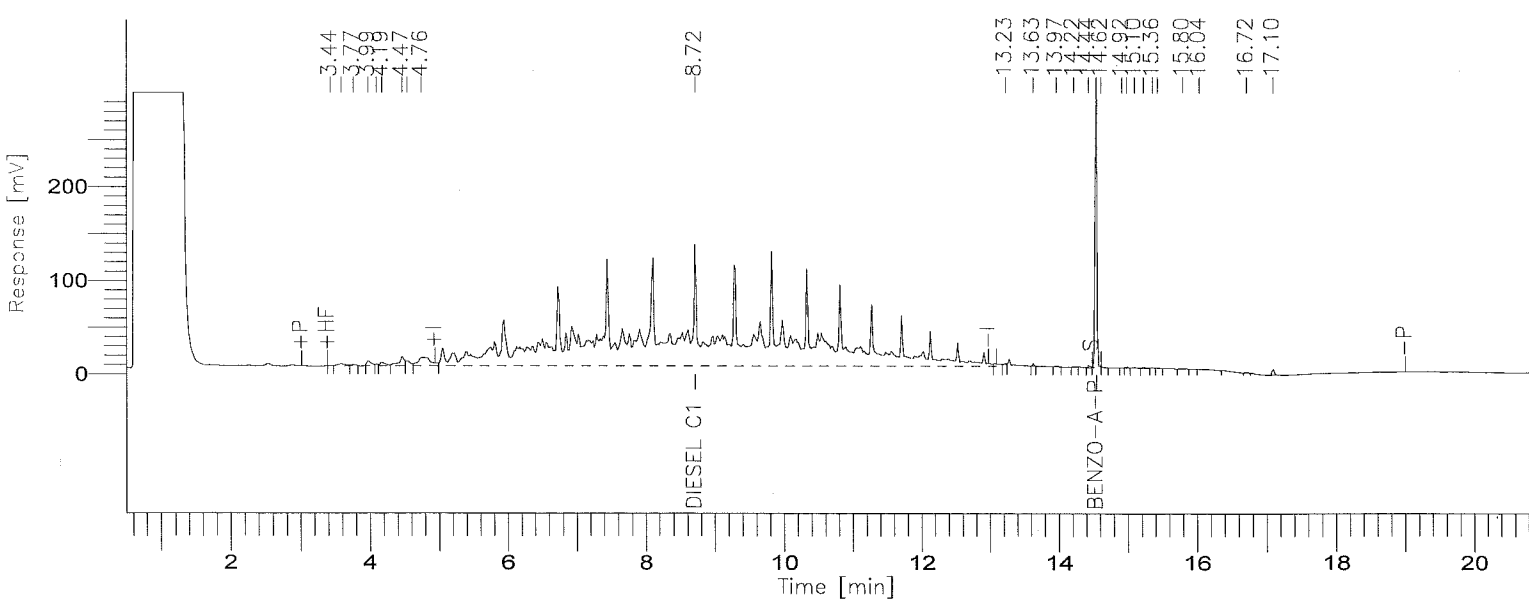
Raw Data File : C:\TC4\DATA_01\O19_021.RAW
Result File : C:\TC4\DATA_01\O19_021.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_021.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 27



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
8.719	DIESEL C10-C24	10569102.00	258.9197	250.00	103.57
14.547	BENZO-A-PYRENE	622486.47	12.3654	12.50	98.92
		11191588.47	271.2851	262.50	202.49

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_021.TX0

PDE120S Severn Trent Laboratories, Inc. Date 10/25/2000
Page: 1 Data Review Time 13:29:45

Lot/Sample: E0J100272-001D C-2-113-5 TICs.....: N Report Results: Y
WO#.....: DLW5C-1-1V Est. Results: Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/19/00
Inject Time..: 22:40 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_022
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/11 11:20:25
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-15:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1564-2DCS/5000PPM/1M
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
	Sample amount: NA								
04980	Diesel Range Organics			250	NA	0	0		NA
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	256.3442	102.5	1		
	Sample amount: NA								
03053	TPH (as Motor Oil)			250	NA	0	0		NA
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.971	95.7736		NA

Software Version: 4.1<2F12>
Sample Name : 271-01 MSD Time : 10/20/00 08:46 AM
Sample Number: DLW5C11VD Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 10:40 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

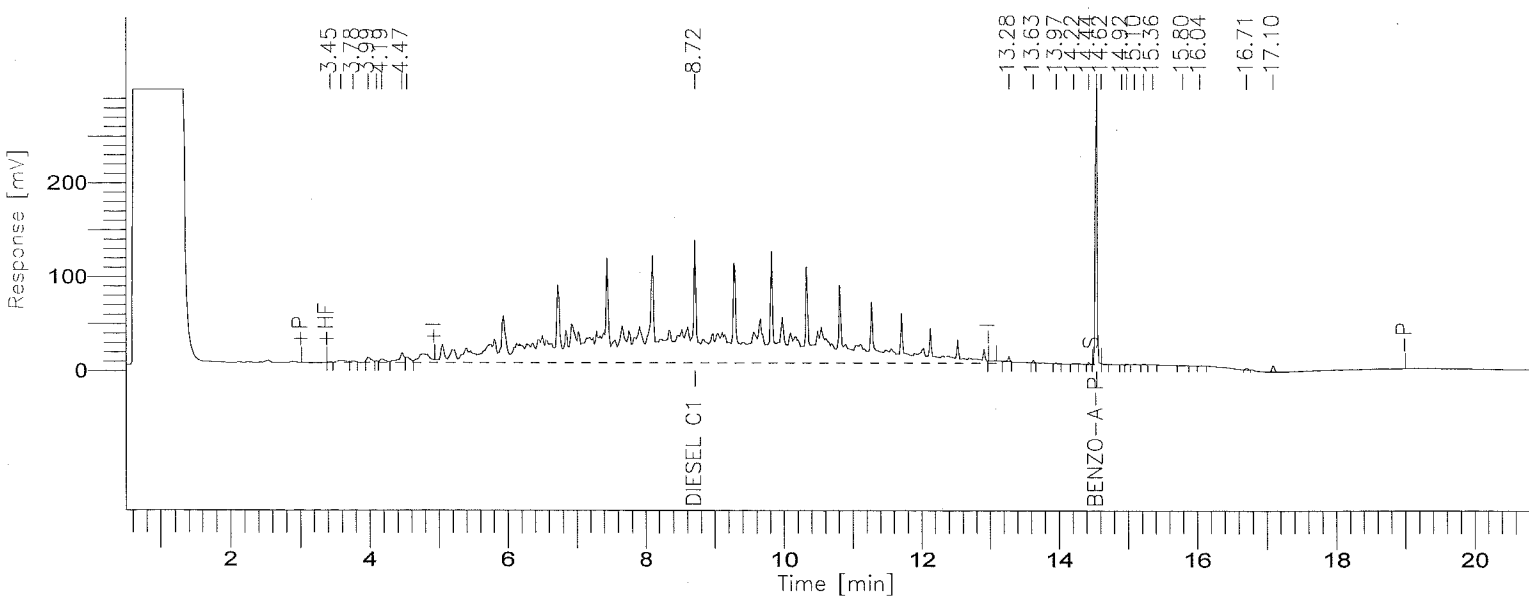
Raw Data File : C:\TC4\DATA_01\O19_022.RAW
Result File : C:\TC4\DATA_01\O19_022.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_022.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 25



000876

BOE-C6-0158423

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
8.719	DIESEL C10-C24	10463970.00	256.3442	250.00	102.54
14.546	BENZO-A-PYRENE	602667.58	11.9717	12.50	95.77
		11066637.58	268.3159	262.50	198.31

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_022.TX0

Lot/Sample: E0J100272-003 C-2-115-1' TICs.....: N Report Results: Y
WO#.....: DLW5M-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 11:46 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_048A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:24:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
J5120	C8-C9			ND	10	5		
05121	C10-C11			37.342	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			6.656	10	5	J	J
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			52.3417	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.980	87.84		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J100272-003 C-2-115-1' TICs.....: N Report Results: Y
WO#.....: DLW5M-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 272-03 Time : 10/23/00 10:56 AM
Sample Number: DLW5M102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 11:46 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

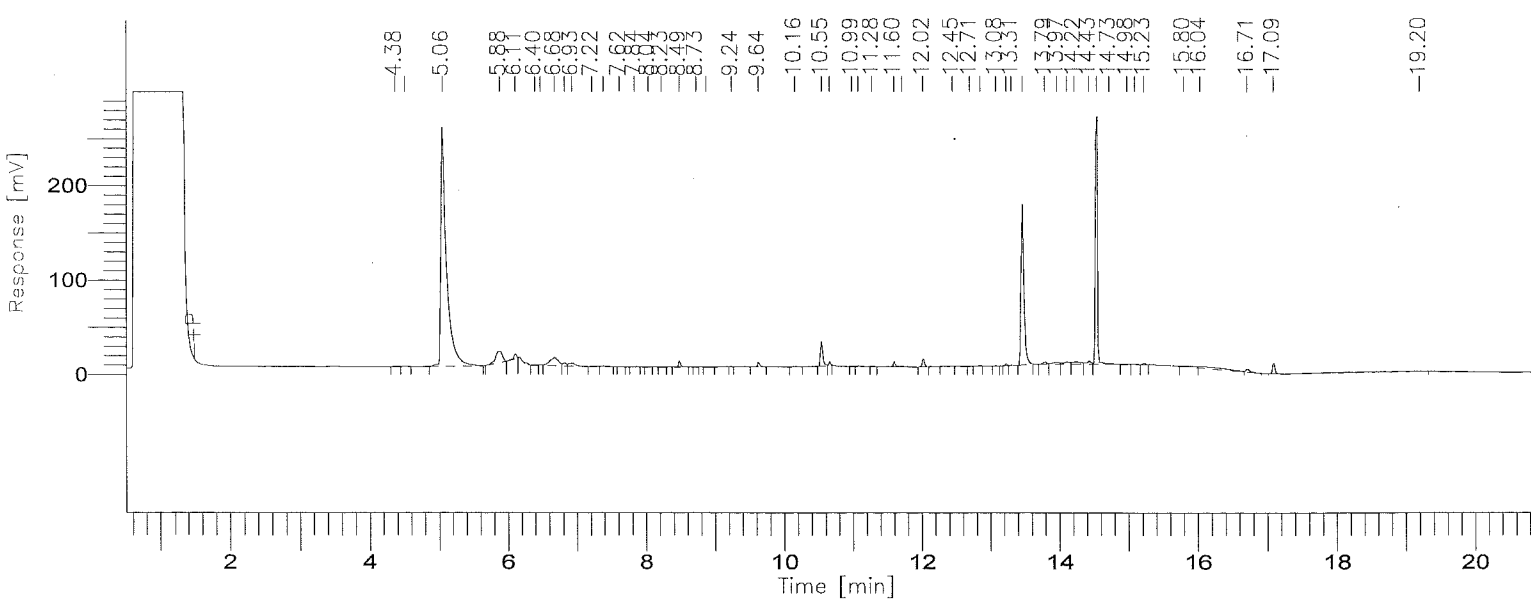
Raw Data File : C:\TC4\DATA_01\O19_048A.RAW
Result File : C:\TC4\DATA_01\O19_048A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_048A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 52



000880

BOE-C6-0158427

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	5282	0.132	------	10.0	
5.77	C10-C11	1576042	37.342	------	10.0	
7.31	C12-C13	116571	2.716	------	10.0	
8.59	C14-C15	17408	0.361	------	10.0	
9.69	C16-C17	11796	0.272	------	10.0	
10.72	C18-C19	73738	1.535	------	10.0	
12.02	C20-C23	34447	0.397	------	10.0	
13.53	C24-C27	558823	6.656	------	10.0	
14.82	C28-C31	586580	6.831	------	10.0	
15.90	C32-C35	66484	0.772	------	10.0	
16.99	C36-C39	40664	0.475	------	10.0	
19.29	C40+	53279	1.290	------	10.0	
		3141115	58.779			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.38		3931	0.001	------	10.0	
4.51		1351	0.000	------	10.0	
		5282	0.001			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.06		1467892	0.367	------	10.0	
5.88		84780	0.021	------	10.0	
6.11		16456	0.004	------	10.0	
6.40		3955	0.001	------	10.0	
48		2960	0.001	------	10.0	
		1576042	0.394			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.68		73324	0.018	------	10.0	
6.83		12760	0.003	------	10.0	
6.93		22424	0.006	------	10.0	
7.22		3034	0.001	------	10.0	
7.39		3640	0.001	------	10.0	
7.62		618	0.000	------	10.0	
7.84		770	0.000	------	10.0	
		116571	0.029			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.04		787	0.000	------	10.0	
8.23		1145	0.000	------	10.0	
8.49		14139	0.004	------	10.0	
[illegible].73		442	0.000	------	10.0	
.88		895	0.000	------	10.0	
		17408	0.004			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.24		652	0.000	------	10.0	
9.64		10120	0.003	------	10.0	
10.16		1024	0.000	------	10.0	
		11796	0.003			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].55		62012	0.016	------	10.0	
10.67		7283	0.002	------	10.0	
10.99		732	0.000	------	10.0	
11.08		3711	0.001	------	10.0	

73738	0.018	

oup Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		896	0.000	------	10.0	
11.60		9843	0.002	------	10.0	
11.72		2299	0.001	------	10.0	
12.02		19183	0.005	------	10.0	
12.45		1646	0.000	------	10.0	
12.71		580	0.000	------	10.0	
		34447	0.009			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.86		1447	0.000	------	10.0	
1[illegible] 08		921	0.000	------	10.0	
[illegible] .23		4167	0.001	------	10.0	
13.31		3022	0.001	------	10.0	
13.47		488917	0.122	------	10.0	
13.79		8756	0.002	------	10.0	
13.97		13690	0.003	------	10.0	
14.11		15581	0.004	------	10.0	
14.22		22323	0.006	------	10.0	
		558823	0.140			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.43		14824	0.004	------	10.0	
14.54		554848	0.139	------	10.0	
14.73		5655	0.001	------	10.0	
14.98		3739	0.001	------	10.0	
15.10		3063	0.001	------	10.0	
1[illegible] 23		4452	0.001	------	10.0	
		586580	0.147			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.80		13131	0.003	------	10.0	
16.04		53353	0.013	------	10.0	
		66484	0.017			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.71		12168	0.003	------	10.0	
17.09		28496	0.007	------	10.0	
		40664	0.010			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.20		53279	0.013	------	10.0	
		53279	0.013			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_048A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-03 Time : 10/20/00 12:06 PM
Sample Number: DLW5M102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 11:46 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

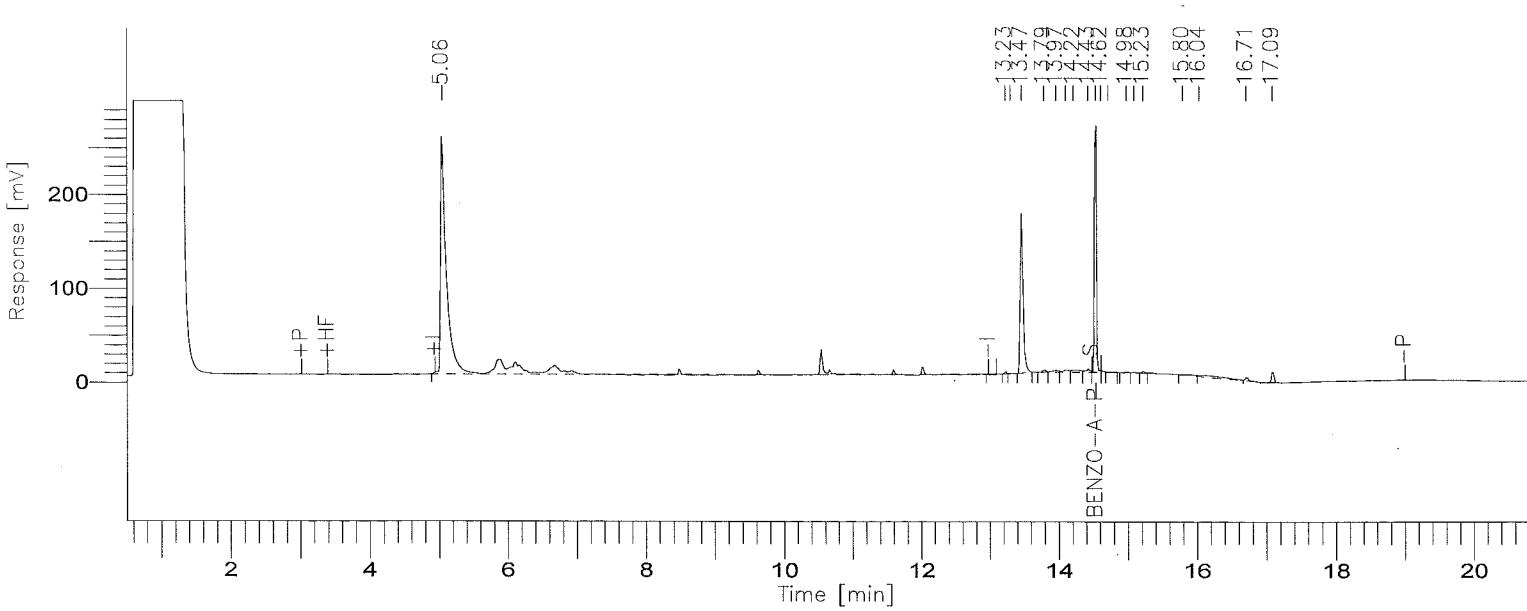
Raw Data File : C:\TC4\DATA_01\O19_048.RAW
Result File : C:\TC4\DATA_01\O19_048.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_048.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 19



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	552765	10.980	87.8	10.0	
		552765	10.980			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_048.TX0

Lot/Sample: E0J100272-004 C-2-115-5 TICs.....: N Report Results: Y
WO#.....: DLW5N-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/19/00
Inject Time..: 23:41 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_024A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:25:05
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.378	91.024		

Software Version: 4.1<2F12>
Sample Name : 272-04 Time : 10/23/00 10:54 AM
Sample Number: DLW5N102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 11:41 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

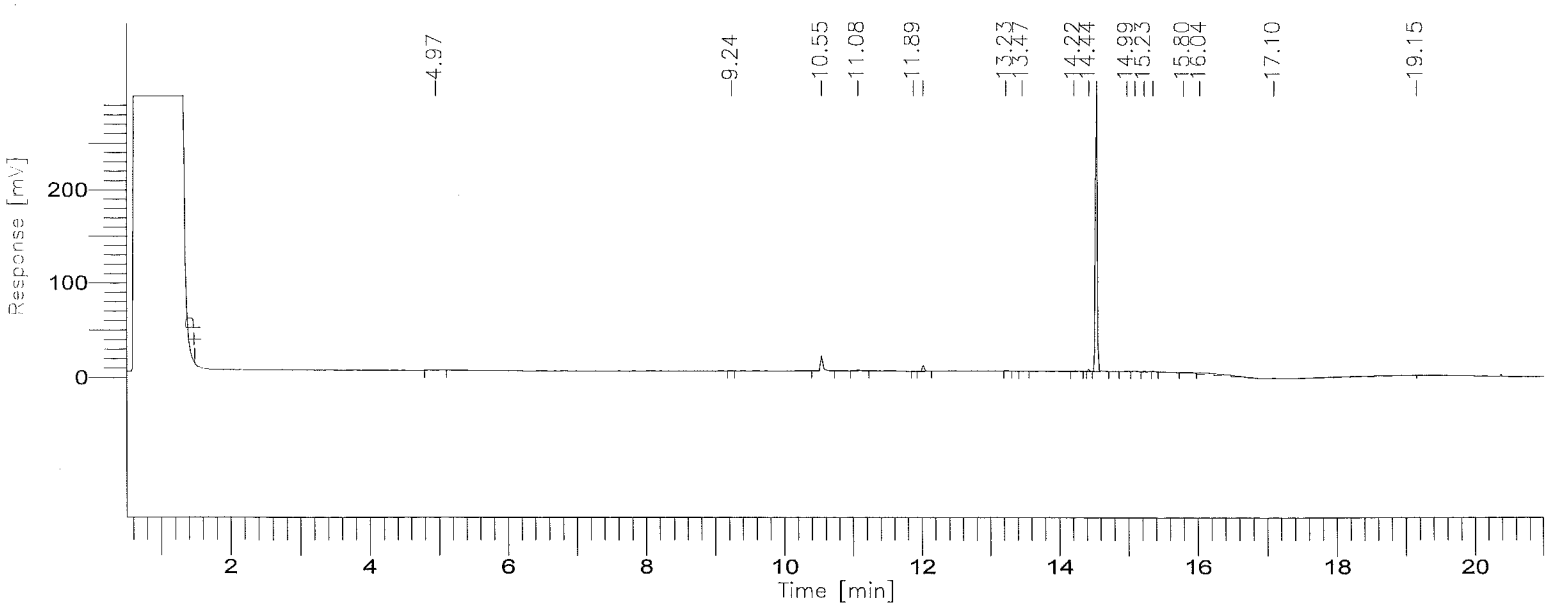
Raw Data File : C:\TC4\DATA_01\O19_024A.RAW
Result File : C:\TC4\DATA_01\O19_024A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_024A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 19



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	1974	0.047	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	787	0.018	------	10.0	
10.72	C18-C19	41693	0.868	------	10.0	
12.02	C20-C23	15592	0.180	------	10.0	
13.53	C24-C27	5726	0.068	------	10.0	
14.82	C28-C31	586626	6.831	------	10.0	
15.90	C32-C35	60744	0.705	------	10.0	
16.99	C36-C39	523	0.006	------	10.0	
19.29	C40+	48326	1.170	------	10.0	
		761990	9.894			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.97		1974	0.000	------	10.0	
		1974	0.000			

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.24		787	0.000	------	10.0	
		787	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		37155	0.009	------	10.0	
11.08		4538	0.001	------	10.0	
		41693	0.010			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.89		494	0.000	------	10.0	
12.03		15098	0.004	------	10.0	
		15592	0.004			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.23		1743	0.000	------	10.0	
13.47		858	0.000	------	10.0	
14.22		3125	0.001	------	10.0	
		5726	0.001			

Group Report For : C28-C31

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
[illegible].44		3358	0.001	------	10.0
[illegible].55		573704	0.143	------	10.0
14.98		2823	0.001	------	10.0
15.10		2993	0.001	------	10.0
15.23		2398	0.001	------	10.0
15.36		1349	0.000	------	10.0
		586626	0.147		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.80		8884	0.002	------	10.0	
16.03		51860	0.013	------	10.0	
		60744	0.015			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.10		523	0.000	------	10.0	
		523	0.000			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.15		48326	0.012	------	10.0	
		48326	0.012			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_024A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-04 Time : 10/20/00 08:46 AM
Sample Number: DLW5N102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 11:41 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

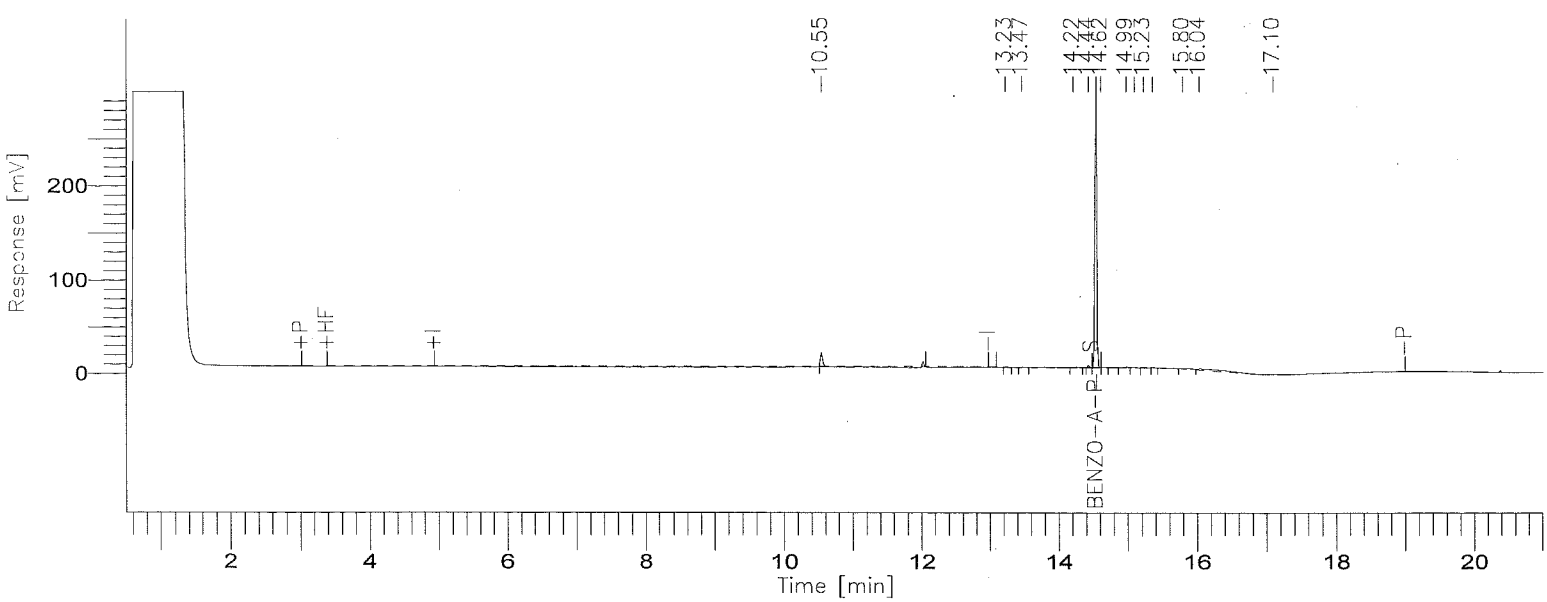
Raw Data File : C:\TC4\DATA_01\O19_024.RAW
Result File : C:\TC4\DATA_01\O19_024.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_024.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 14



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8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	572788	11.378	91.0	10.0	
		572788	11.378			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_024.TX0

Lot/Sample: E0J100272-008 C-2-116-5' TICs.....: N Report Results: Y
WO#.....: DLW60-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 0:11 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_025A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:28:46
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.410	91.28		

Software Version: 4.1<2F12>
Sample Name : 272-08 Time : 10/23/00 10:54 AM
Sample Number: DLW60102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 12:11 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

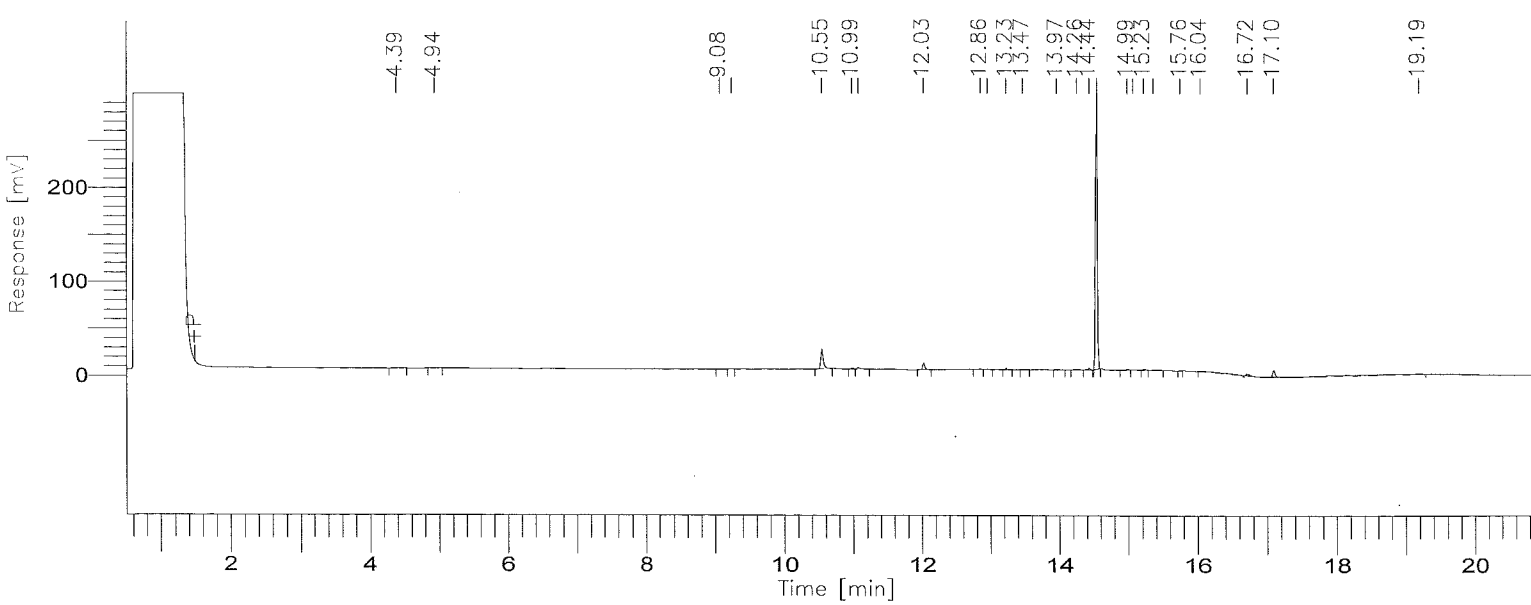
Raw Data File : C:\TC4\DATA_01\O19_025A.RAW
Result File : C:\TC4\DATA_01\O19_025A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_025A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 25



000896

BOE-C6-0158443

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	1826	0.046	------	10.0	
5.77	C10-C11	1807	0.043	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	903	0.019	------	10.0	
9.69	C16-C17	769	0.018	------	10.0	
10.72	C18-C19	58964	1.227	------	10.0	
12.02	C20-C23	16581	0.191	------	10.0	
13.53	C24-C27	7054	0.084	------	10.0	
14.82	C28-C31	586574	6.831	------	10.0	
15.90	C32-C35	19639	0.228	------	10.0	
16.99	C36-C39	22648	0.264	------	10.0	
19.29	C40+	53576	1.297	------	10.0	
		770341	10.248			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.39		1826	0.000	------	10.0	
		1826	0.000			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.94		1807	0.000	------	10.0	
		1807	0.000			

up Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.07		903	0.000	------	10.0	
		903	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.24		769	0.000	------	10.0	
		769	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].55		51423	0.013	------	10.0	
10.99		2324	0.001	------	10.0	
11.08		5217	0.001	------	10.0	
		58964	0.015			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		16581	0.004	------	10.0	
		16581	0.004			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].86		1270	0.000	------	10.0	
12.97		968	0.000	------	10.0	
13.23		2816	0.001	------	10.0	
13.47		714	0.000	------	10.0	
13.97		1285	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		7054	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.26		3186	0.001	------	10.0	
14.44		3694	0.001	------	10.0	
14.55		569723	0.142	------	10.0	
14.99		2936	0.001	------	10.0	
15.07		2120	0.001	------	10.0	
15.23		3318	0.001	------	10.0	
15.36		1598	0.000	------	10.0	
		586574	0.147			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.76		869	0.000	------	10.0	
16.04		18770	0.005	------	10.0	
		19639	0.005			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.72		7036	0.002	------	10.0	
17.10		15612	0.004	------	10.0	
		22648	0.006			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.19		53576	0.013	------	10.0	

53576 0.013

. .ssing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_025A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-08 Time : 10/20/00 08:46 AM
Sample Number: DLW60102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 12:11 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

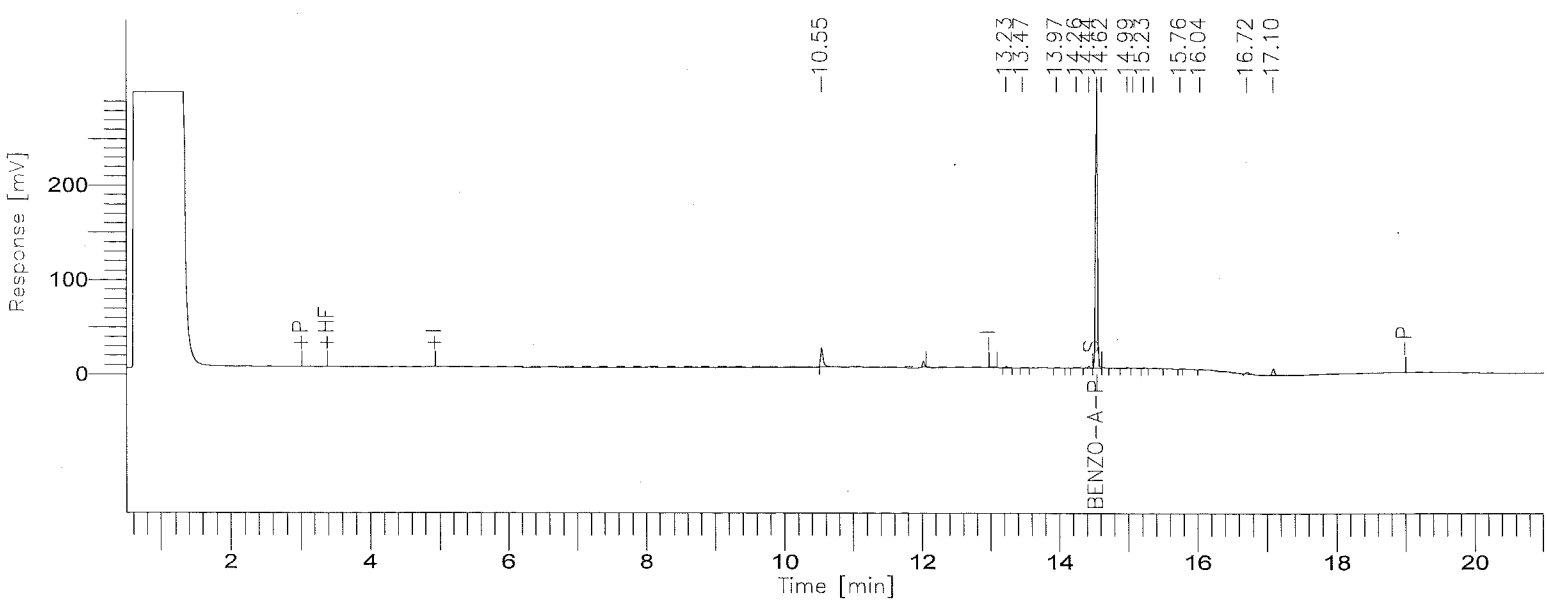
Raw Data File : C:\TC4\DATA_01\O19_025.RAW
Result File : C:\TC4\DATA_01\O19_025.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_025.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 16



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	574397	11.410	91.3	10.0	
		574397	11.410			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_025.TX0

Lot/Sample: E0J100272-009 C-2-116-10 TICs.....: N Report Results: Y
WO#.....: DLW62-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 0:41 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_026A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:28:52
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.903	95.224		

Software Version: 4.1<2F12>
Sample Name : 272-09 Time : 10/23/00 10:54 AM
Sample Number: DLW62102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 12:41 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

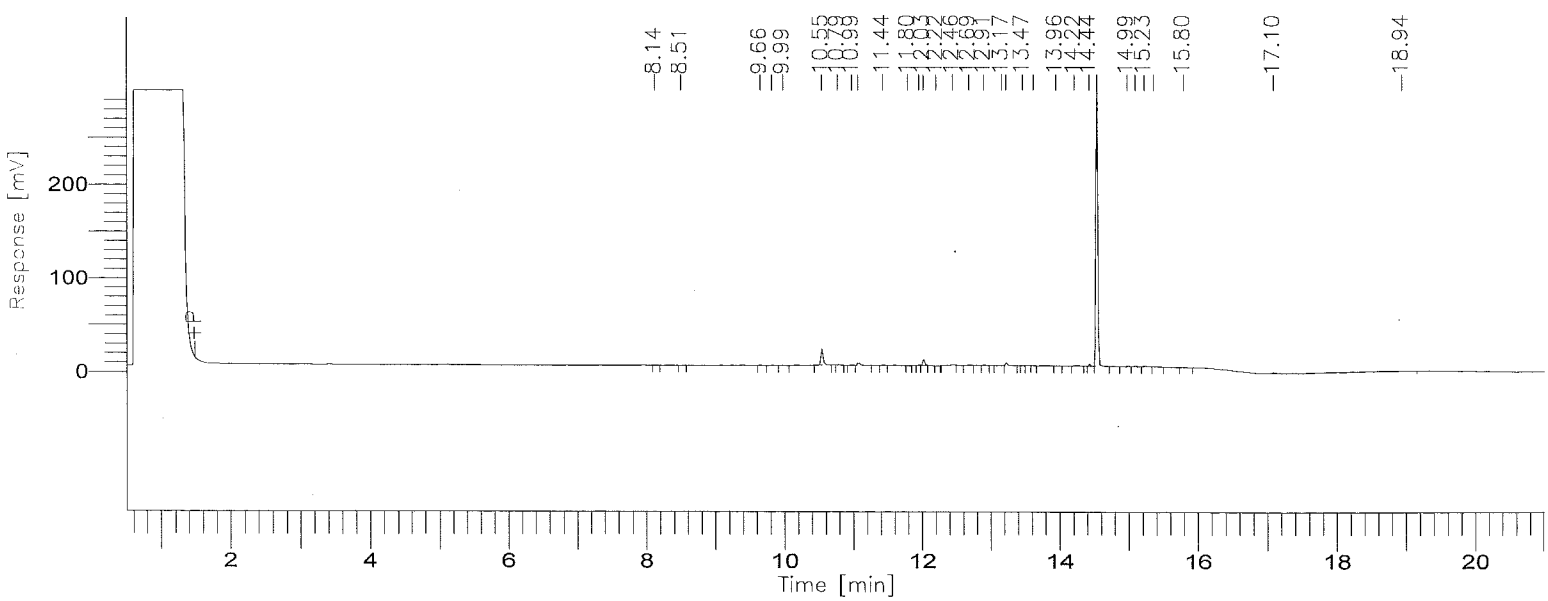
Raw Data File : C:\TC4\DATA_01\O19_026A.RAW
Result File : C:\TC4\DATA_01\O19_026A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_026A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 32



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	1090	0.023	------	10.0	
9.69	C16-C17	2283	0.053	------	10.0	
10.72	C18-C19	48008	0.999	------	10.0	
12.02	C20-C23	22542	0.260	------	10.0	
13.53	C24-C27	14373	0.171	------	10.0	
14.82	C28-C31	617572	7.192	------	10.0	
15.90	C32-C35	1722	0.020	------	10.0	
16.99	C36-C39	2474	0.029	------	10.0	
19.29	C40+	36227	0.877	------	10.0	
		746290	9.623			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

8.14	498	0.000	------	10.0
8.51	592	0.000	------	10.0
	1090	0.000		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.66		940	0.000	------	10.0	
9.83		839	0.000	------	10.0	
9.99		504	0.000	------	10.0	
		2283	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		38272	0.010	------	10.0	
10.79		1160	0.000	------	10.0	
10.99		992	0.000	------	10.0	
11.08		7583	0.002	------	10.0	
		48008	0.012			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.44		1442	0.000	------	10.0	
11.80		916	0.000	------	10.0	
11.96		1170	0.000	------	10.0	
12.03		13150	0.003	------	10.0	
12.22		324	8.112e-05	------	10.0	
12.45		3398	0.001	------	10.0	
12.69		2142	0.001	------	10.0	
		22542	0.006			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

12.91	1498	0.000	------	10.0
13.17	1990	0.000	------	10.0
13.23	5474	0.001	------	10.0
13.47	315	7.875e-05	------	10.0
13.63	432	0.000	------	10.0
13.96	912	0.000	------	10.0
14.22	3752	0.001	------	10.0
	14373	0.004		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		3665	0.001	------	10.0	
14.55		600256	0.150	------	10.0	
14.99		3171	0.001	------	10.0	
15.10		3442	0.001	------	10.0	
15.23		4514	0.001	------	10.0	
15.37		2523	0.001	------	10.0	
		617572	0.154			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.80		1722	0.000	------	10.0	
		1722	0.000			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.10		2474	0.001	------	10.0	
		2474	0.001			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

18.94	36227	0.009	------	10.0
	36227	0.009		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_026A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-09 Time : 10/20/00 08:46 AM
Sample Number: DLW62102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 12:41 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

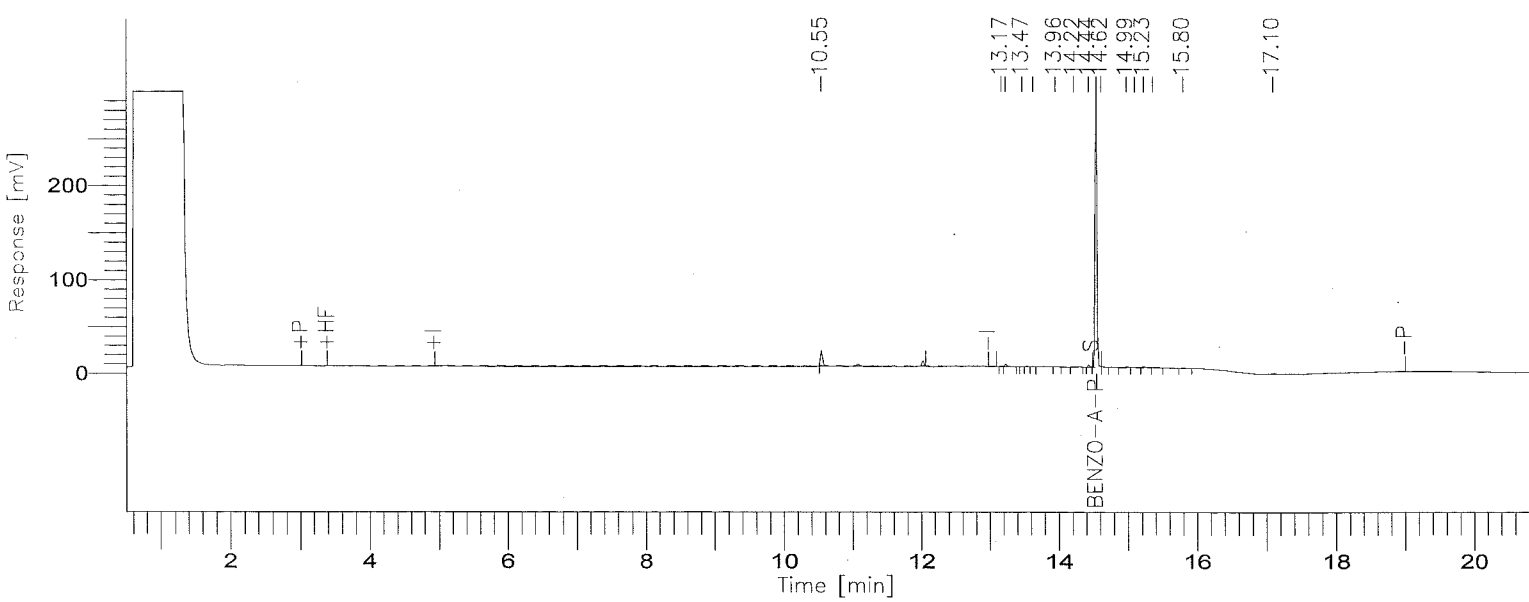
Raw Data File : C:\TC4\DATA_01\O19_026.RAW
Result File : C:\TC4\DATA_01\O19_026.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_026.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 16



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	599234	11.903	95.2	10.0	
		599234	11.903			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_026.TX0

PDE120 Severn Trent Laboratories, Inc. Date 10/25/2000
Page: 1 Data Review Time 13:29:29

Lot/Sample: E0J100272-010 C-66-12 TICs.....: N Report Results: Y
WO#.....: DLW63-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 1:11 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_027A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:29:07
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.605	92.84		

Software Version: 4.1<2F12>
Sample Name : 272-10 Time : 10/23/00 10:55 AM
Sample Number: DLW63102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 01:11 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

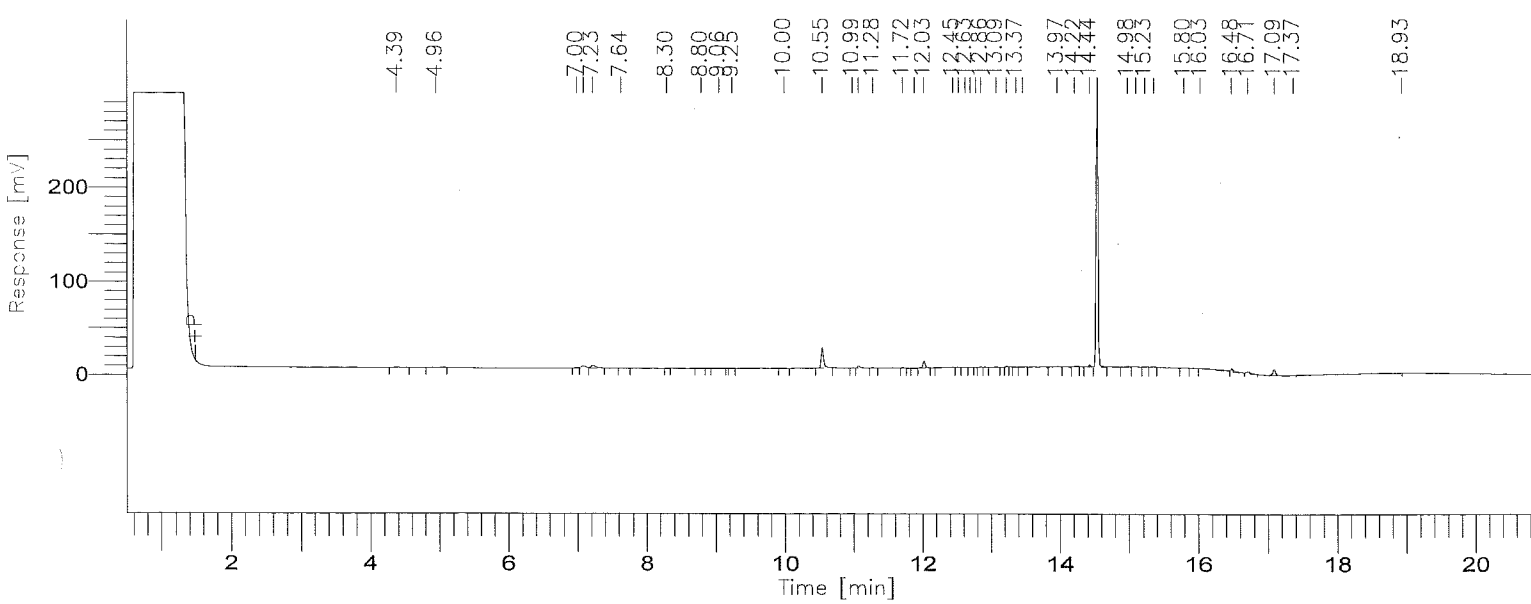
Raw Data File : C:\TC4\DATA_01\O19_027A.RAW
Result File : C:\TC4\DATA_01\O19_027A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_027A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 43



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	3164	0.079	------	10.0	
5.77	C10-C11	1573	0.037	------	10.0	
7.31	C12-C13	31062	0.724	------	10.0	
8.59	C14-C15	2466	0.051	------	10.0	
9.69	C16-C17	1454	0.034	------	10.0	
10.72	C18-C19	60774	1.265	------	10.0	
12.02	C20-C23	28477	0.328	------	10.0	
13.53	C24-C27	11411	0.136	------	10.0	
14.82	C28-C31	602414	7.015	------	10.0	
15.90	C32-C35	22185	0.258	------	10.0	
16.99	C36-C39	38481	0.449	------	10.0	
19.29	C40+	23340	0.565	------	10.0	
		826799	10.941			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.38		3164	0.001	------	10.0	
		3164	0.001			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.96		1573	0.000	------	10.0	
		1573	0.000			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

7.00		3890	0.001	------	10.0
7.09		10888	0.003	------	10.0
7.23		15412	0.004	------	10.0
.64		871	0.000	------	10.0
		31062	0.008		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.30		432	0.000	------	10.0	
8.79		1210	0.000	------	10.0	
9.06		824	0.000	------	10.0	
		2466	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.24		842	0.000	------	10.0	
10.00		612	0.000	------	10.0	
		1454	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		51871	0.013	------	10.0	
10.99		794	0.000	------	10.0	
11.08		8108	0.002	------	10.0	
		60774	0.015			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		949	0.000	------	10.0	
11.72		679	0.000	------	10.0	
11.89		597	0.000	------	10.0	
12.03		18630	0.005	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.45		4188	0.001	------	10.0	
12.53		1272	0.000	------	10.0	
12.63		1044	0.000	------	10.0	
12.71		786	0.000	------	10.0	
12.78		331	8.285e-05	------	10.0	
		28477	0.007			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.86		827	0.000	------	10.0	
13.08		1142	0.000	------	10.0	
13.23		2583	0.001	------	10.0	
13.37		626	0.000	------	10.0	
13.47		1433	0.000	------	10.0	
13.97		1761	0.000	------	10.0	
14.22		3040	0.001	------	10.0	
		11411	0.003			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.43		3961	0.001	------	10.0	
14.55		585274	0.146	------	10.0	
14.98		3606	0.001	------	10.0	
15.10		3660	0.001	------	10.0	
15.23		3743	0.001	------	10.0	
15.36		2169	0.001	------	10.0	
		602414	0.151			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.80		1330	0.000	------	10.0	
16.03		20855	0.005	------	10.0	
		22185	0.006			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.48		12791	0.003	------	10.0	
16.71		7031	0.002	------	10.0	
17.09		18312	0.005	------	10.0	
17.37		347	8.675e-05	------	10.0	
		38481	0.010			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.93		23340	0.006	------	10.0	
		23340	0.006			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_027A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-10 Time : 10/20/00 08:46 AM
Sample Number: DLW63102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 01:11 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

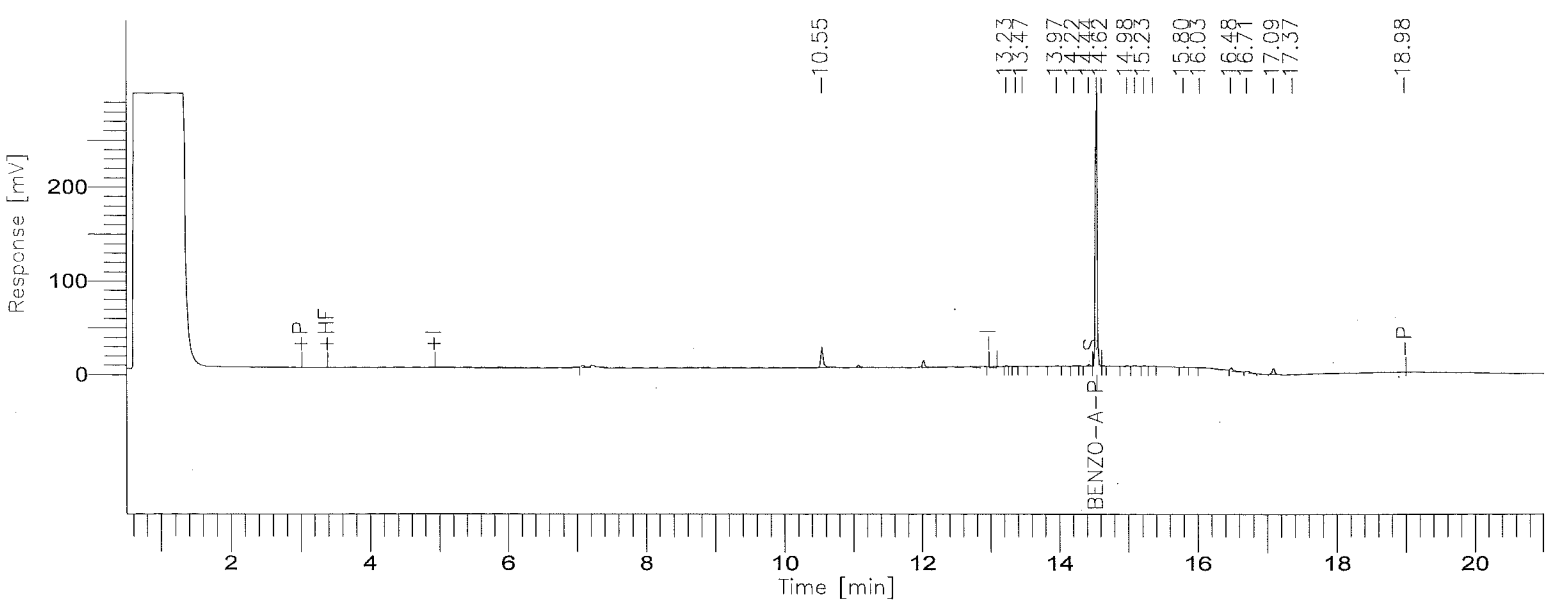
Raw Data File : C:\TC4\DATA_01\O19_027.RAW
Result File : C:\TC4\DATA_01\O19_027.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_027.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 20



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	584191	11.605	92.8	10.0	
		584191	11.605			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_027.TX0

Lot/Sample: E0J100272-011 C-2-116-15' TICs.....: N Report Results: Y
WO#.....: DLW65-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 2:42 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 019_030A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:29:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.397	91.176		

Software Version: 4.1<2F12>
Sample Name : 272-11 Time : 10/23/00 10:55 AM
Sample Number: DLW65102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 02:42 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

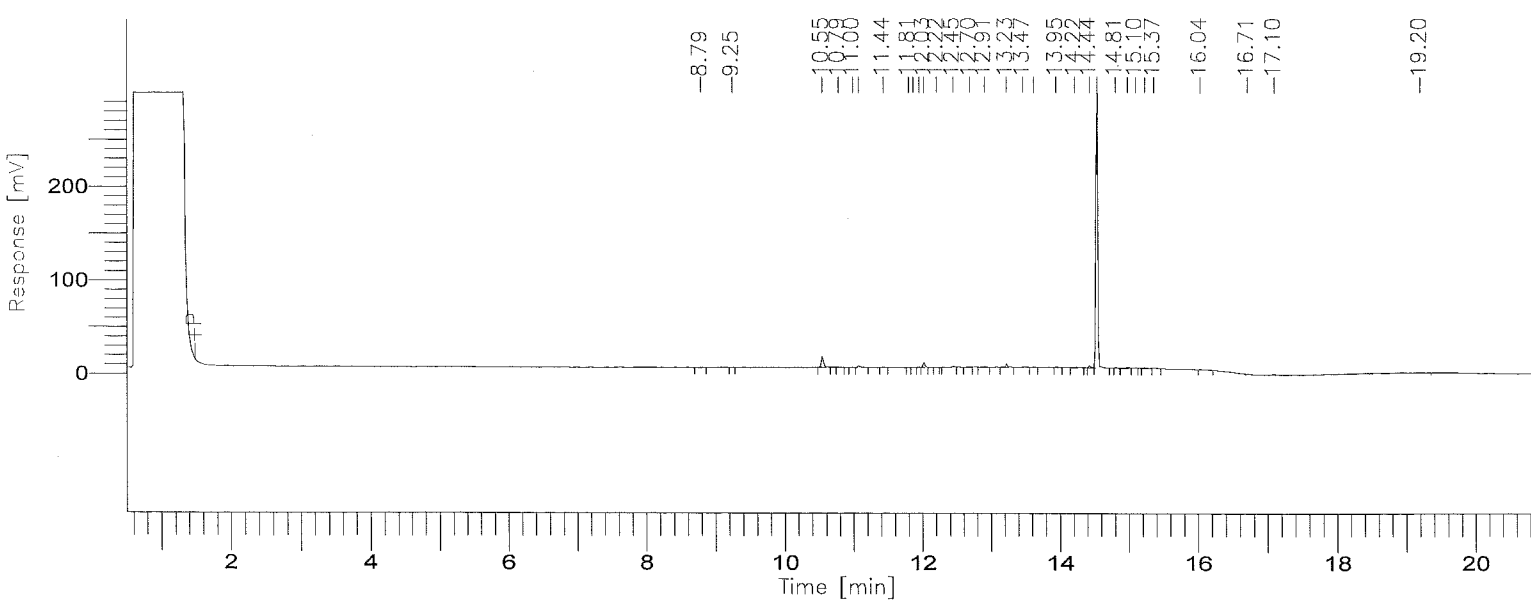
Raw Data File : C:\TC4\DATA_01\O19_030A.RAW
Result File : C:\TC4\DATA_01\O19_030A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_030A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 31



000920

BOE-C6-0158467

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	900	0.019	------	10.0	
9.69	C16-C17	384	0.009	------	10.0	
10.72	C18-C19	31958	0.665	------	10.0	
12.02	C20-C23	19573	0.225	------	10.0	
13.53	C24-C27	19180	0.228	------	10.0	
14.82	C28-C31	588364	6.852	------	10.0	
15.90	C32-C35	1742	0.020	------	10.0	
16.99	C36-C39	2437	0.028	------	10.0	
19.29	C40+	45560	1.103	------	10.0	
		710098	9.150			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

8.79		900	0.000	------	10.0
		900	0.000		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		384	9.600e-05	------	10.0	
		384	9.600e-05			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		25699	0.006	------	10.0	
10.79		714	0.000	------	10.0	
11.00		748	0.000	------	10.0	
11.08		4797	0.001	------	10.0	
		31958	0.008			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.44		1086	0.000	------	10.0	
11.80		768	0.000	------	10.0	
11.87		907	0.000	------	10.0	
11.96		1205	0.000	------	10.0	
12.03		9788	0.002	------	10.0	
12.22		320	8.000e-05	------	10.0	
12.45		3687	0.001	------	10.0	
12.70		1811	0.000	------	10.0	
		19573	0.005			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.91		2482	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].23		8232	0.002	------	10.0	
13.47		2076	0.001	------	10.0	
13.63		903	0.000	------	10.0	
13.95		1644	0.000	------	10.0	
14.22		3843	0.001	------	10.0	
		19180	0.005			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		3647	0.001	------	10.0	
14.55		574640	0.144	------	10.0	
14.81		625	0.000	------	10.0	
14.99		2356	0.001	------	10.0	
15.10		1628	0.000	------	10.0	
15.23		2977	0.001	------	10.0	
15.37		2491	0.001	------	10.0	
		588364	0.147			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.04		1742	0.000	------	10.0	
		1742	0.000			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.71		909	0.000	------	10.0	
17.10		1528	0.000	------	10.0	
		2437	0.001			

Group Report For : C40+

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
19.20		45560	0.011	------	10.0
		45560	0.011		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_030A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-11 Time : 10/20/00 08:48 AM
Sample Number: DLW65102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 02:42 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

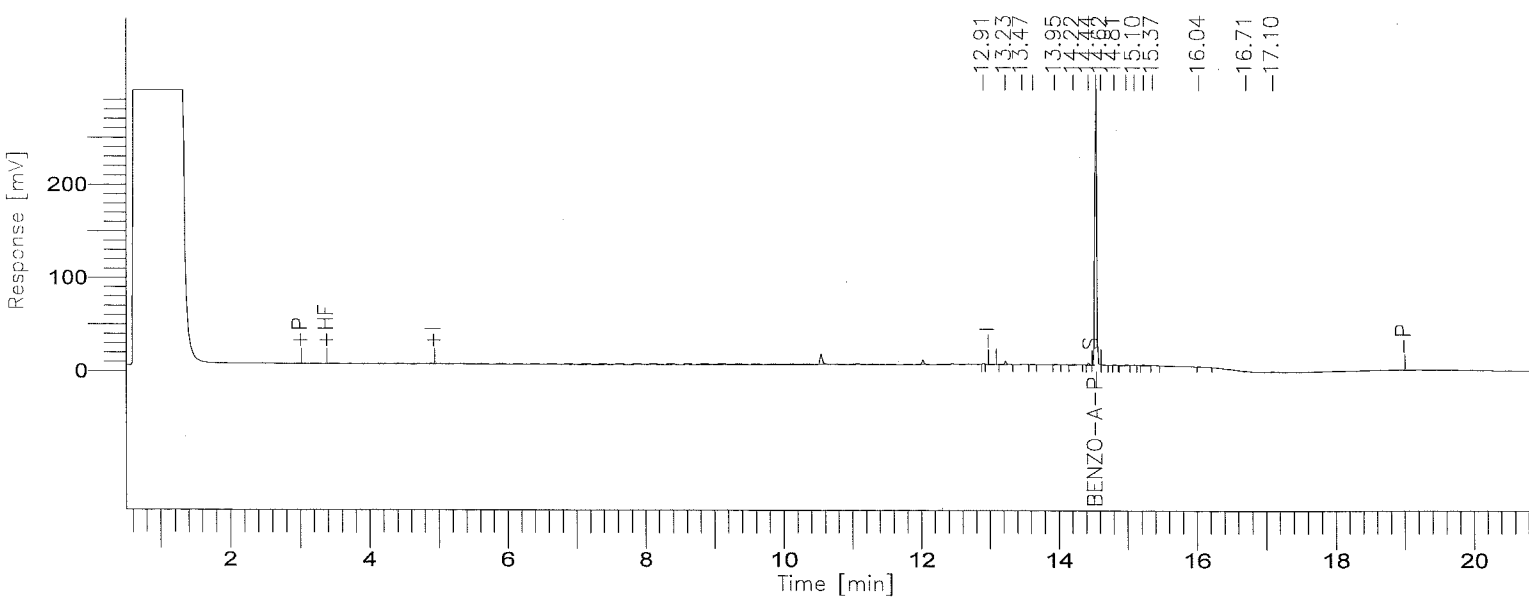
Raw Data File : C:\TC4\DATA_01\O19_030.RAW
Result File : C:\TC4\DATA_01\O19_030.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_030.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 17



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	573723	11.397	91.2	10.0	
		573723	11.397			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_030.TX0

Lot/Sample: E0J100272-012 C-66-12-5'' TICs.....: N Report Results: Y
WO#.....: DLW69-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 12:16 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_049A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:29:28
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			8.3154	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.177	89.416		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J100272-012 C-66-12-5'' TICs.....: N Report Results: Y
WO#.....: DLW69-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 272-12 Time : 10/23/00 10:56 AM
Sample Number: DLW69102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 12:16 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

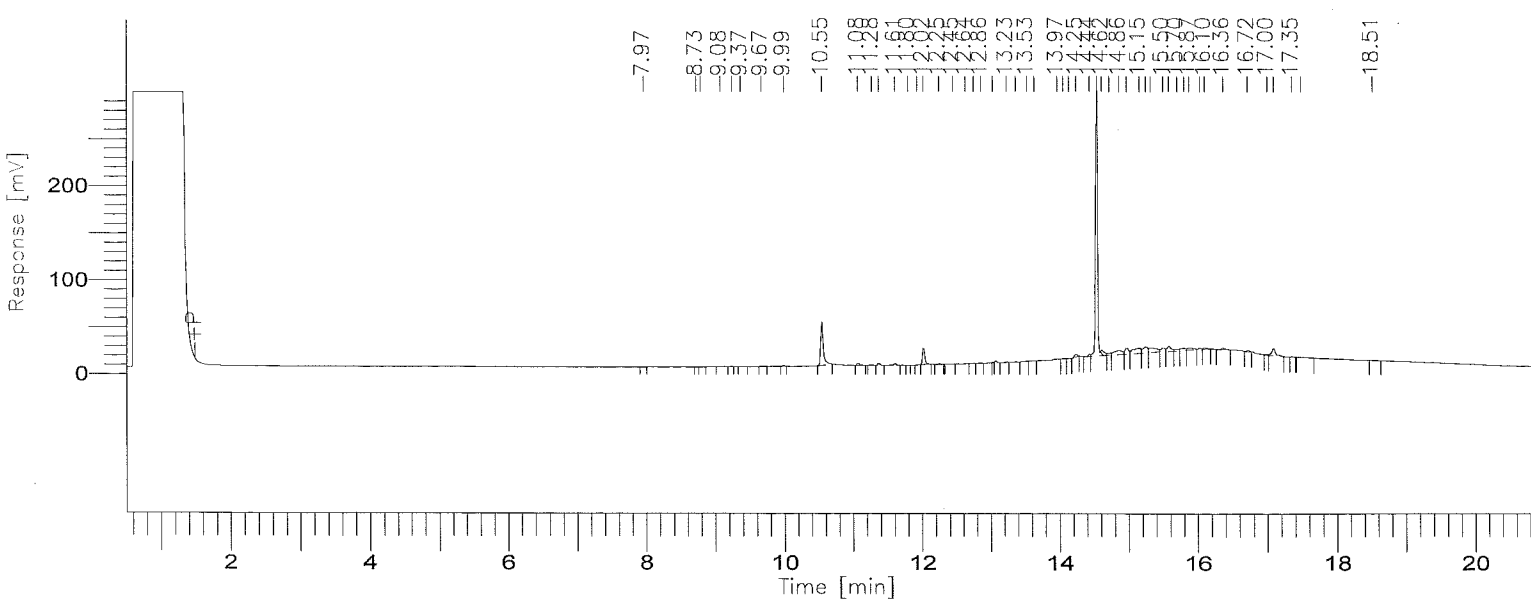
Raw Data File : C:\TC4\DATA_01\O19_049A.RAW
Result File : C:\TC4\DATA_01\O19_049A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_049A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 53



000929

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	413	0.010	------	10.0	
8.59	C14-C15	2501	0.052	------	10.0	
9.69	C16-C17	4162	0.096	------	10.0	
10.72	C18-C19	125370	2.610	------	10.0	
12.02	C20-C23	66241	0.763	------	10.0	
13.53	C24-C27	18699	0.223	------	10.0	
14.82	C28-C31	815833	9.501	------	10.0	
15.90	C32-C35	97062	1.127	------	10.0	
16.99	C36-C39	37442	0.437	------	10.0	
19.29	C40+	2087	0.051	------	10.0	
		1169810	14.868			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.97		413	0.000	------	10.0	
		413	0.000			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.73		800	0.000	------	10.0	
8.80		849	0.000	------	10.0	
9.08		852	0.000	------	10.0	
		2501	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.24		657	0.000	------	10.0	
9.37		573	0.000	------	10.0	
9.67		606	0.000	------	10.0	
9.99		2326	0.001	------	10.0	
		4162	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		119575	0.030	------	10.0	
11.08		5795	0.001	------	10.0	
		125370	0.031			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		1786	0.000	------	10.0	
11.37		4350	0.001	------	10.0	
11.61		5410	0.001	------	10.0	
11.80		455	0.000	------	10.0	
11.93		1339	0.000	------	10.0	
12.02		44999	0.011	------	10.0	
12.25		2646	0.001	------	10.0	
45		1959	0.000	------	10.0	
12.64		2133	0.001	------	10.0	
12.76		1165	0.000	------	10.0	
		66241	0.017			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.86		1676	0.000	------	10.0	
13.04		1233	0.000	------	10.0	
13.23		3358	0.001	------	10.0	
13.37		2817	0.001	------	10.0	
13.53		1896	0.000	------	10.0	
13.64		1741	0.000	------	10.0	
13.97		2460	0.001	------	10.0	
14.06		2166	0.001	------	10.0	
14.13		1352	0.000	------	10.0	
		18699	0.005			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.24		9511	0.002	------	10.0	
[illegible]44		6910	0.002	------	10.0	
[illegible].54		588869	0.147	------	10.0	
14.62		16174	0.004	------	10.0	
14.72		9429	0.002	------	10.0	
14.86		39459	0.010	------	10.0	
14.97		23533	0.006	------	10.0	
15.15		47764	0.012	------	10.0	
15.25		33113	0.008	------	10.0	
15.32		41071	0.010	------	10.0	
		815833	0.204			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		17378	0.004	------	10.0	
15.58		23560	0.006	------	10.0	
15.70		9510	0.002	------	10.0	
15.80		12721	0.003	------	10.0	
[illegible]87		15789	0.004	------	10.0	
[illegible].03		5433	0.001	------	10.0	
16.10		5761	0.001	------	10.0	
16.36		6910	0.002	------	10.0	
		97062	0.024			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.71		3482	0.001	------	10.0	
17.00		2518	0.001	------	10.0	
17.09		27839	0.007	------	10.0	
17.35		796	0.000	------	10.0	
17.48		2807	0.001	------	10.0	
		37442	0.009			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.51		2087	0.001	------	10.0	
		2087	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_049A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-12 Time : 10/20/00 12:37 PM
Sample Number: DLW69102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 12:16 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

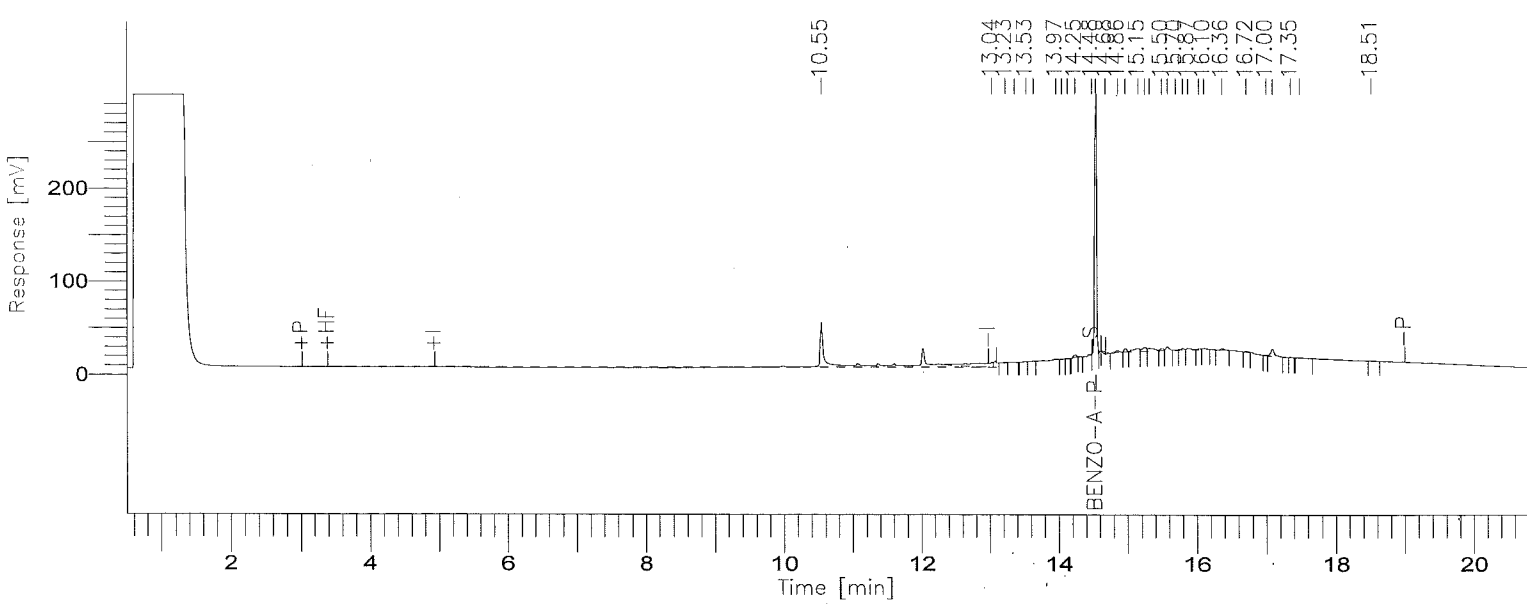
Raw Data File : C:\TC4\DATA_01\O19_049.RAW
Result File : C:\TC4\DATA_01\O19_049.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_049.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 33



000934

BOE-C6-0158481

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	562643	11.177	89.4	10.0	
		562643	11.177			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_049.TXO

Lot/Sample: E0J100272-013 C-66-8-1' TICs.....: N Report Results: Y
WO#.....: DLW6C-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 3:42 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_032A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:25:24
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			5.7325	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.952	87.616		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J100272-013 C-66-8-1' TICs.....: N Report Results: Y
WO#.....: DLW6C-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 272-13 Time : 10/23/00 10:55 AM
Sample Number: DLW6C102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 03:42 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

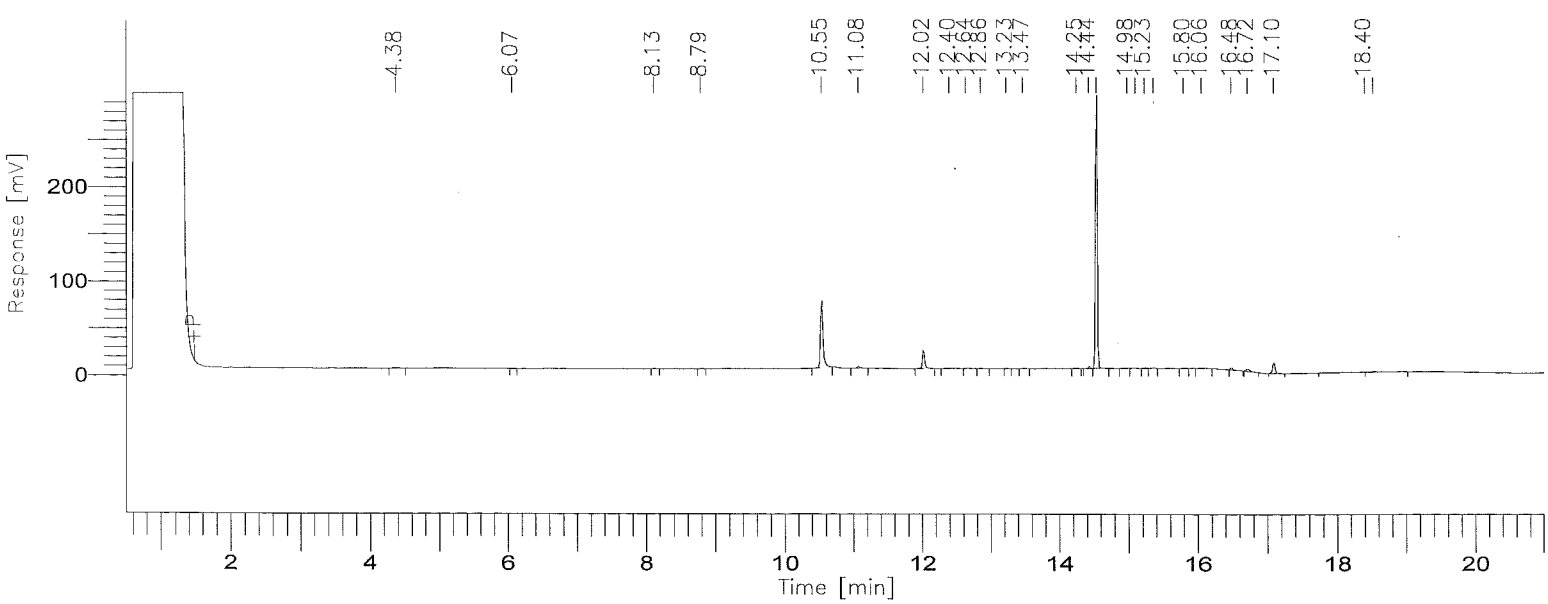
Raw Data File : C:\TC4\DATA_01\O19_032A.RAW
Result File : C:\TC4\DATA_01\O19_032A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_032A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 26



000938

BOE-C6-0158485

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	3174	0.079	------	10.0	
5.77	C10-C11	377	0.009	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	1794	0.037	------	10.0	
9.69	C16-C17	0	0.000	------	10.0	
10.72	C18-C19	183036	3.810	------	10.0	
12.02	C20-C23	57115	0.658	------	10.0	
13.53	C24-C27	6285	0.075	------	10.0	
14.82	C28-C31	569088	6.627	------	10.0	
15.90	C32-C35	3112	0.036	------	10.0	
16.99	C36-C39	42445	0.495	------	10.0	
19.29	C40+	13462	0.326	------	10.0	
		879888	12.153			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.38		3174	0.001	------	10.0	
		3174	0.001			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.07		377	9.425e-05	------	10.0	
		377	9.425e-05			

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.13		593	0.000	------	10.0	
8.79		1201	0.000	------	10.0	
		1794	0.000			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		177729	0.044	------	10.0	
[illegible] 08		5307	0.001	------	10.0	
		183036	0.046			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.02		49326	0.012	------	10.0	
12.40		3683	0.001	------	10.0	
12.64		4105	0.001	------	10.0	
		57115	0.014			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible] 86		2183	0.001	------	10.0	
[illegible].23		2718	0.001	------	10.0	
13.47		1384	0.000	------	10.0	
		6285	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2611	0.001	------	10.0	
14.44		3384	0.001	------	10.0	
14.55		552322	0.138	------	10.0	
14.98		2662	0.001	------	10.0	
15.10		3467	0.001	------	10.0	
15.23		2803	0.001	------	10.0	
15.36		1839	0.000	------	10.0	
		569088	0.142			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.80		1276	0.000	------	10.0	
16.06		1836	0.000	------	10.0	
		3112	0.001			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.48		4558	0.001	------	10.0	
16.72		8738	0.002	------	10.0	
17.10		29149	0.007	------	10.0	
		42445	0.011			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.40		4423	0.001	------	10.0	
18.52		9039	0.002	------	10.0	
		13462	0.003			

Missing Component Report

Component Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O19_032A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-13 Time : 10/20/00 08:48 AM
Sample Number: DLW6C102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 03:42 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

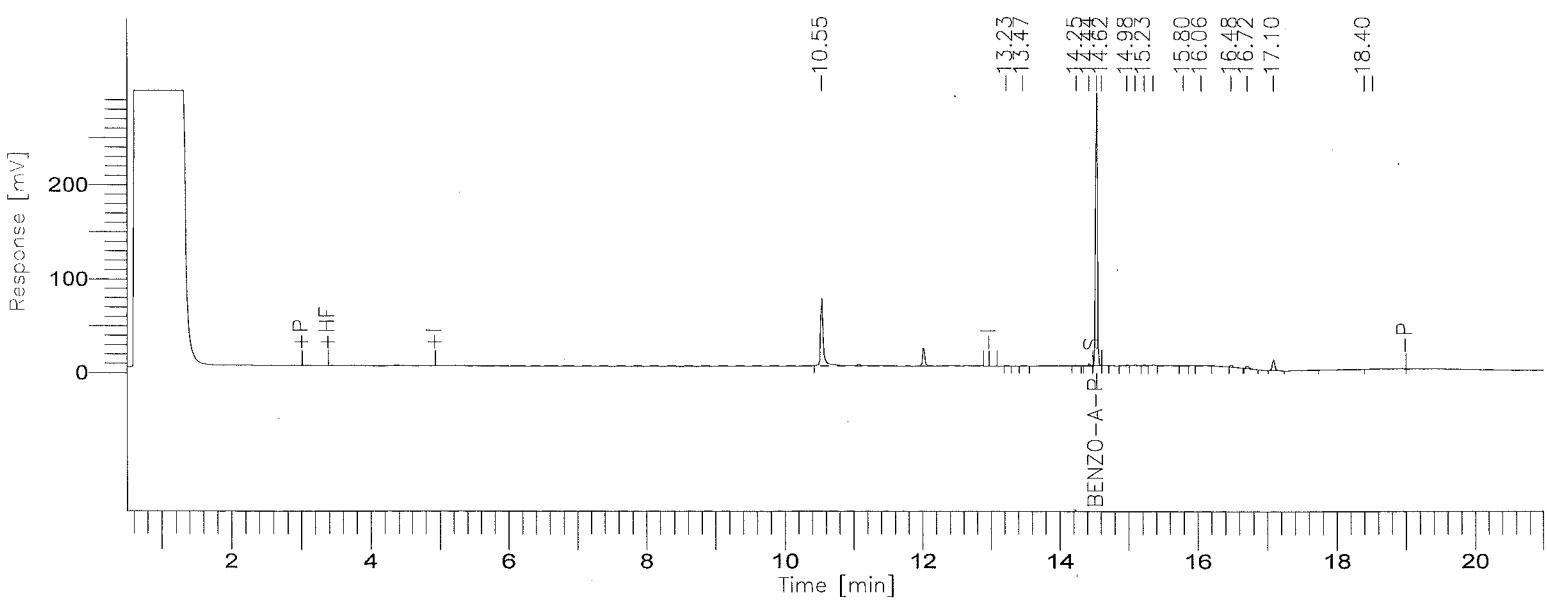
Raw Data File : C:\TC4\DATA_01\O19_032.RAW
Result File : C:\TC4\DATA_01\O19_032.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_032.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 18



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	551351	10.952	87.6	10.0	
		551351	10.952			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\019_032.TX0

Lot/Sample: E0J100272-014 C-66-8-5' TICs.....: N Report Results: Y
WO#.....: DLW6D-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 4:13 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_033A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:25:33
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.798	86.384		

Software Version: 4.1<2F12>
Sample Name : 272-14 Time : 10/23/00 10:55 AM
Sample Number: DLW6D102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 04:13 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

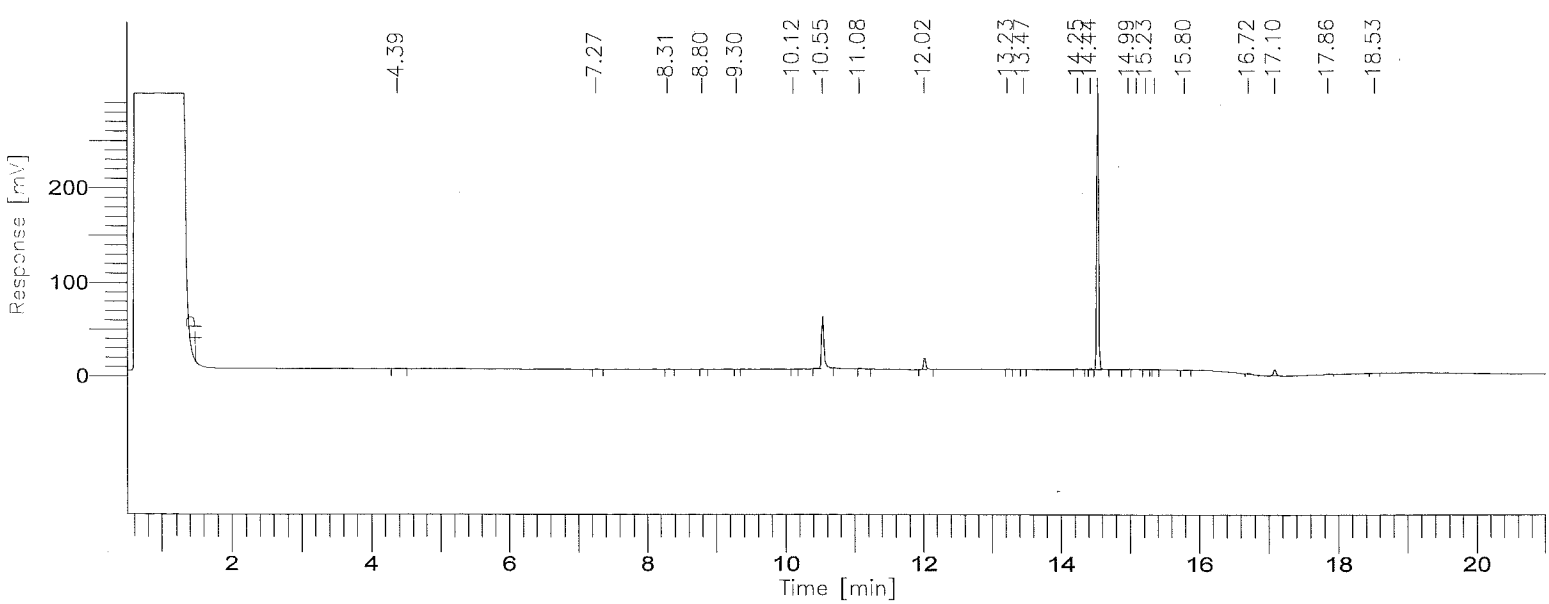
Raw Data File : C:\TC4\DATA_01\O19_033A.RAW
Result File : C:\TC4\DATA_01\O19_033A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_033A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 23



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	1749	0.044	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	695	0.016	------	10.0	
8.59	C14-C15	1394	0.029	------	10.0	
9.69	C16-C17	764	0.018	------	10.0	
10.72	C18-C19	141398	2.944	------	10.0	
12.02	C20-C23	31920	0.368	------	10.0	
13.53	C24-C27	2026	0.024	------	10.0	
14.82	C28-C31	558585	6.505	------	10.0	
15.90	C32-C35	813	0.009	------	10.0	
16.99	C36-C39	23889	0.279	------	10.0	
19.29	C40+	4359	0.106	------	10.0	
		767592	10.340			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.39		1749	0.000	------	10.0	
		1749	0.000			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time n]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.27		695	0.000	------	10.0	
		695	0.000			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.31		757	0.000	------	10.0	
8.80		638	0.000	------	10.0	
		1394	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		398	9.962e-05	------	10.0	
10.12		365	9.125e-05	------	10.0	
		764	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		138774	0.035	------	10.0	
11.08		2624	0.001	------	10.0	
		141398	0.035			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.02		31920	0.008	------	10.0	
		31920	0.008			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.23		1744	0.000	------	10.0	
13.47		282	7.062e-05	------	10.0	
		2026	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2493	0.001	------	10.0	
14.44		3172	0.001	------	10.0	
14.55		544314	0.136	------	10.0	
14.98		2417	0.001	------	10.0	
15.10		2996	0.001	------	10.0	
15.23		1997	0.000	------	10.0	
15.36		1196	0.000	------	10.0	
		558585	0.140			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.80		813	0.000	------	10.0	
		813	0.000			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.71		4361	0.001	------	10.0	
17.10		19529	0.005	------	10.0	
		23889	0.006			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		3079	0.001	------	10.0	
18.53		1279	0.000	------	10.0	
		4359	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O19_033A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-14 Time : 10/20/00 08:48 AM
Sample Number: DLW6D102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 04:13 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

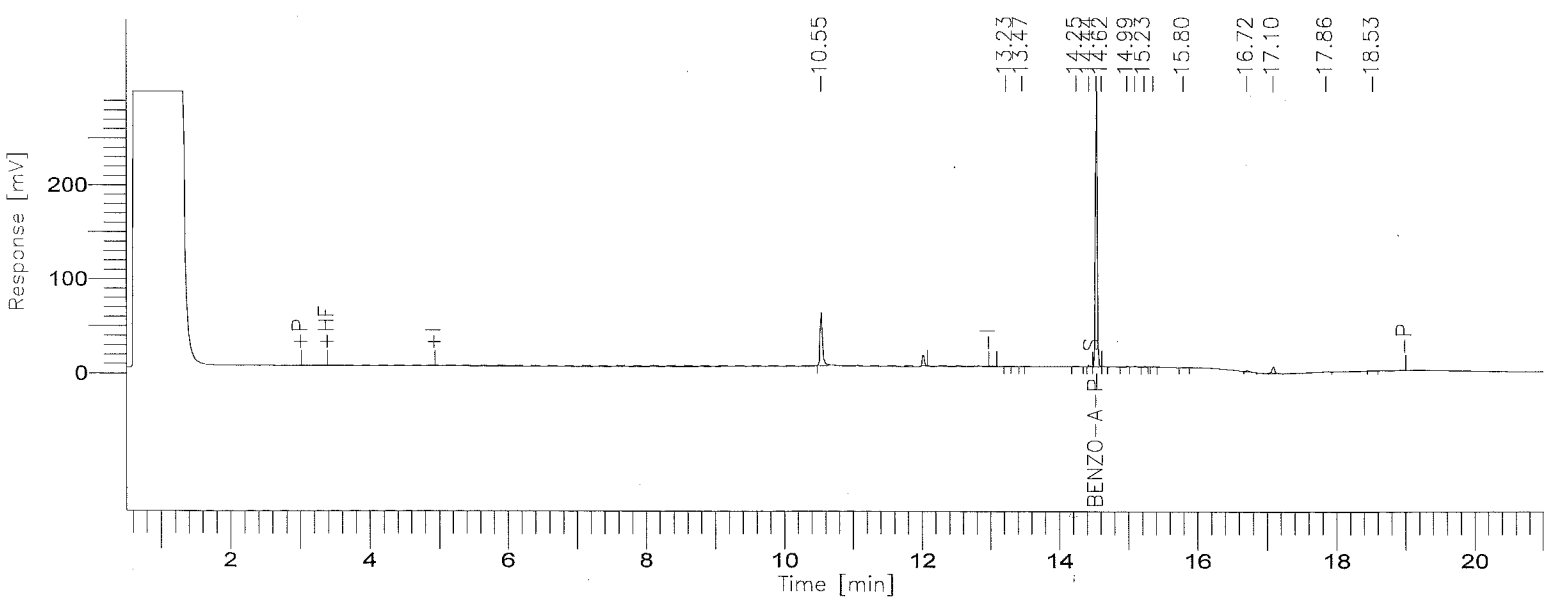
Raw Data File : C:\TC4\DATA_01\O19_033.RAW
Result File : C:\TC4\DATA_01\O19_033.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_033.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 16



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	543572	10.798	86.4	10.0	
		543572	10.798			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_033.TX0

Lot/Sample: E0J100272-015 C-2-120-1' TICs.....: N Report Results: Y
WO#.....: DLW6E-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 4:43 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_034A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:26:03
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			8.0711	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.630	93.04		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J100272-015 C-2-120-1' TICs.....: N Report Results: Y
WO#.....: DLW6E-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 272-15 Time : 10/23/00 10:55 AM
Sample Number: DLW6E102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 04:43 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

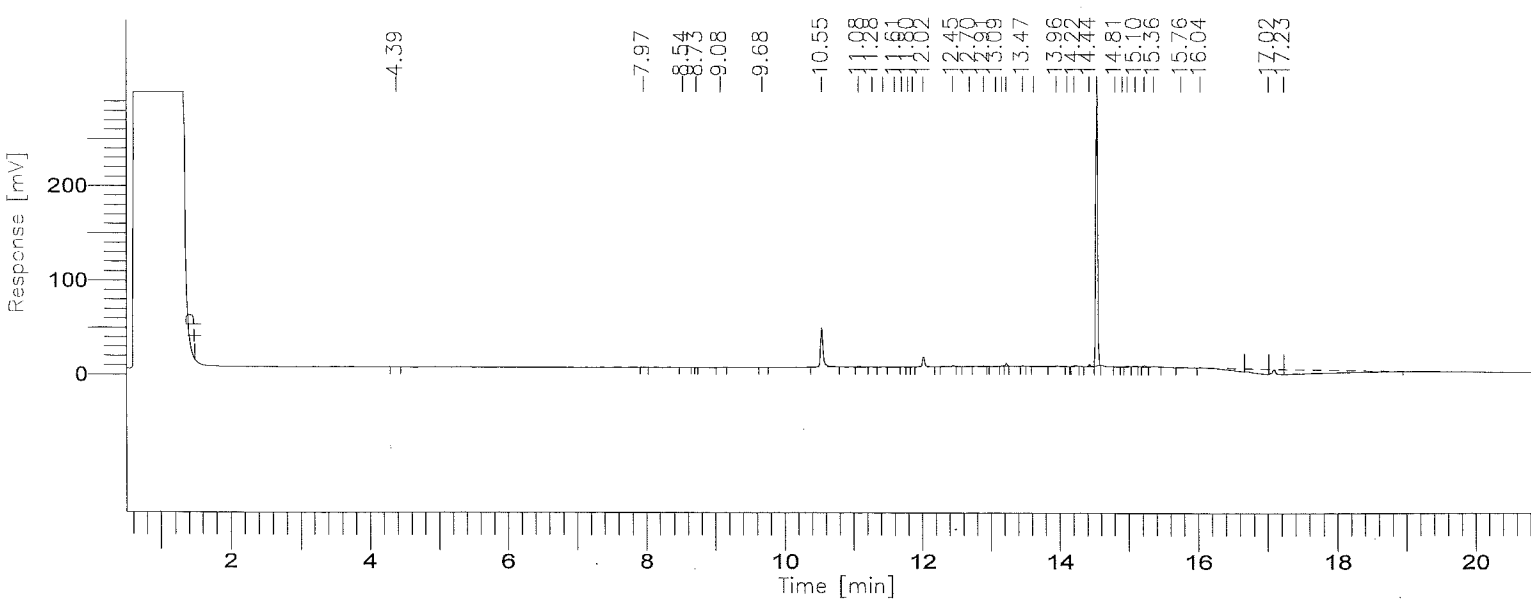
Raw Data File : C:\TC4\DATA_01\O19_034A.RAW
Result File : C:\TC4\DATA_01\O19_034A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_034A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 39



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	733	0.018	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	537	0.013	------	10.0	
8.59	C14-C15	1836	0.038	------	10.0	
9.69	C16-C17	565	0.013	------	10.0	
10.72	C18-C19	109996	2.290	------	10.0	
12.02	C20-C23	42066	0.484	------	10.0	
13.53	C24-C27	20662	0.246	------	10.0	
14.82	C28-C31	595602	6.936	------	10.0	
15.90	C32-C35	45509	0.528	------	10.0	
16.99	C36-C39	370305	4.322	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		1187811	14.889			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.39		733	0.000	------	10.0	
		733	0.000			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.97		537	0.000	------	10.0	
		537	0.000			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.54		636	0.000	------	10.0	
8.73		298	7.450e-05	------	10.0	
9.08		902	0.000	------	10.0	
		1836	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.68		565	0.000	------	10.0	
		565	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		105270	0.026	------	10.0	
11.08		4727	0.001	------	10.0	
		109996	0.027			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		1195	0.000	------	10.0	
11.44		1862	0.000	------	10.0	
11.61		2866	0.001	------	10.0	
11.72		658	0.000	------	10.0	
11.80		360	9.000e-05	------	10.0	
11.87		733	0.000	------	10.0	
12.02		28248	0.007	------	10.0	
12.45		3876	0.001	------	10.0	
[illegible]70		2268	0.001	------	10.0	
		42066	0.011			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.91		4030	0.001	------	10.0	
13.09		942	0.000	------	10.0	
13.17		1444	0.000	------	10.0	
13.23		4785	0.001	------	10.0	
13.47		1210	0.000	------	10.0	
13.63		1363	0.000	------	10.0	
13.96		3881	0.001	------	10.0	
14.12		478	0.000	------	10.0	
14.22		2528	0.001	------	10.0	
		20662	0.005			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.43		3738	0.001	------	10.0	
14.55		579163	0.145	------	10.0	
14.81		533	0.000	------	10.0	
14.92		403	0.000	------	10.0	
.98		2260	0.001	------	10.0	
15.10		1739	0.000	------	10.0	
15.23		4558	0.001	------	10.0	
15.36		3207	0.001	------	10.0	
		595602	0.149			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.76		3551	0.001	------	10.0	
16.04		41958	0.010	------	10.0	
		45509	0.011			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.02		89096	0.022	------	10.0	
17.23		52421	0.013	------	10.0	
17.23		228788	0.057	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		370305	0.093			

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_034A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-15 Time : 10/20/00 08:49 AM
Sample Number: DLW6E102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 04:43 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

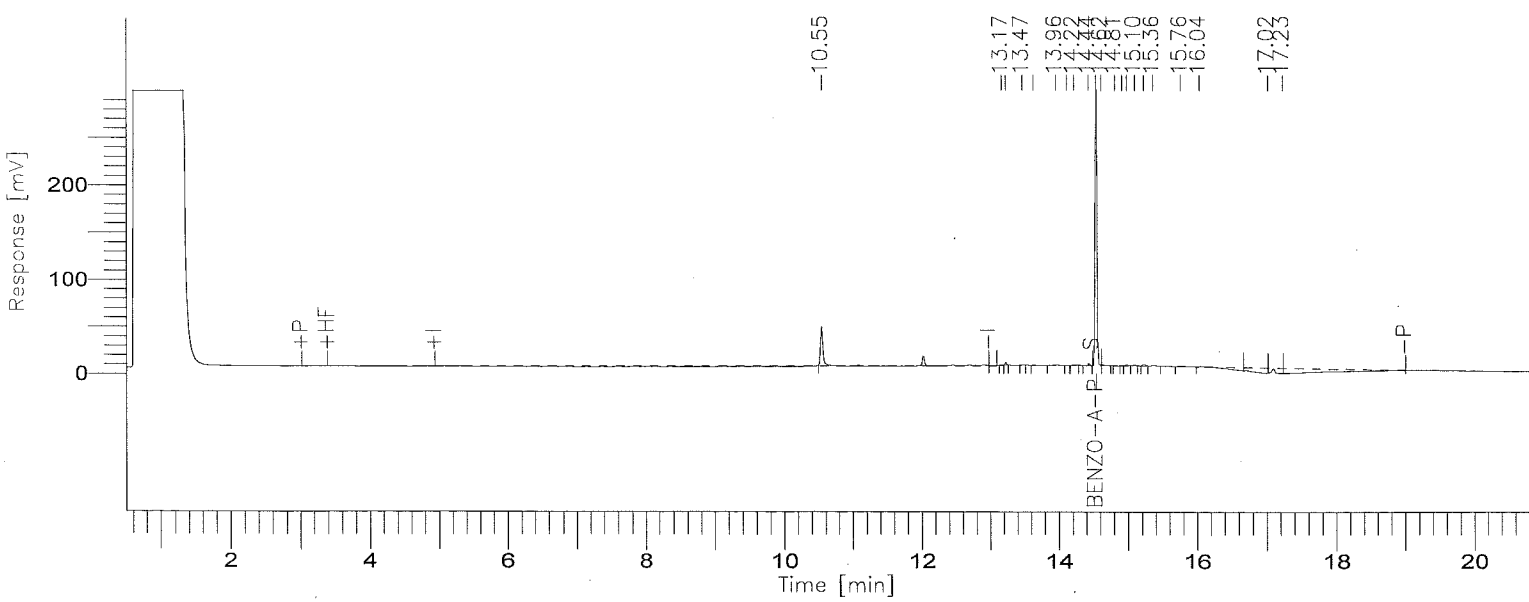
Raw Data File : C:\TC4\DATA_01\O19_034.RAW
Result File : C:\TC4\DATA_01\O19_034.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_034.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 22



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	585454	11.630	93.0	10.0	
		585454	11.630			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_034.TX0

Lot/Sample: E0J100272-016 C-2-120-5' TICs.....: N Report Results: Y
WO#.....: DLW6F-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 5:13 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_035A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:26:13
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.415	99.32		

Software Version: 4.1<2F12>
Sample Name : 272-16 Time : 10/23/00 10:55 AM
Sample Number: DLW6F102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 05:13 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

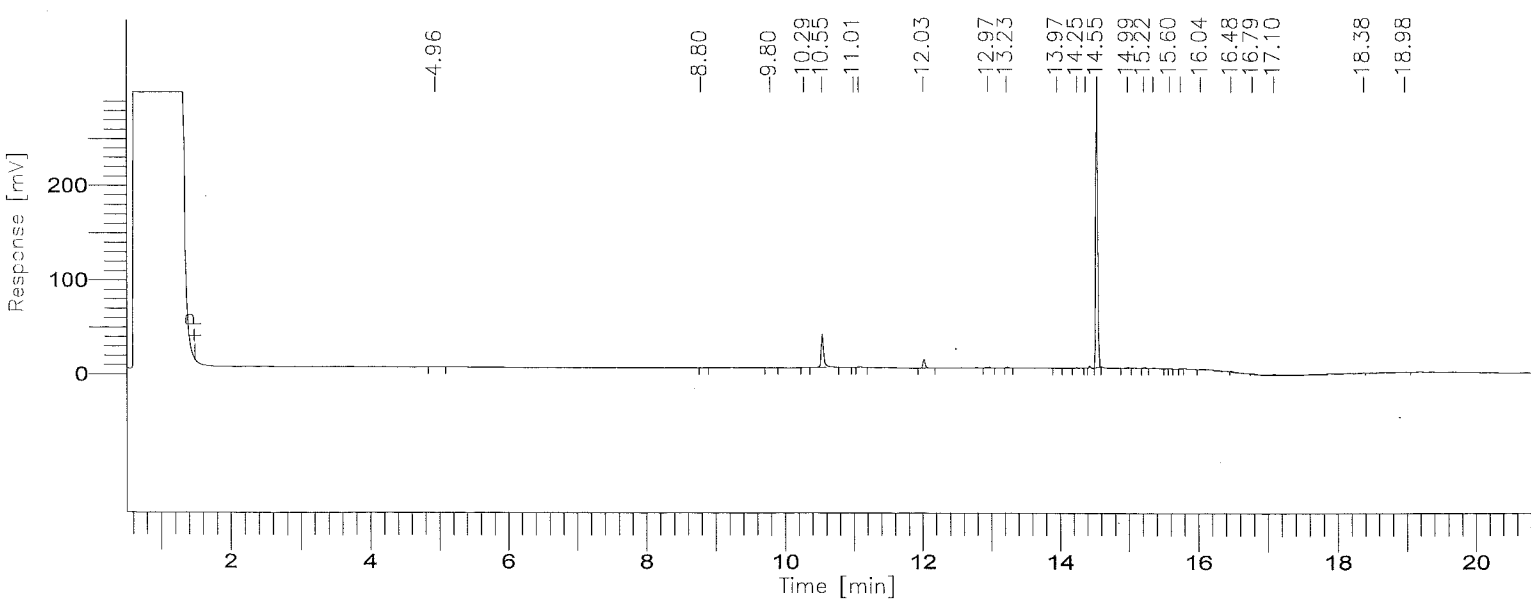
Raw Data File : C:\TC4\DATA_01\O19_035A.RAW
Result File : C:\TC4\DATA_01\O19_035A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_035A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 25



000963

BOE-C6-0158510

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	1591	0.038	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	690	0.014	------	10.0	
9.69	C16-C17	876	0.020	------	10.0	
10.72	C18-C19	93419	1.945	------	10.0	
12.02	C20-C23	24064	0.277	------	10.0	
13.53	C24-C27	4864	0.058	------	10.0	
14.82	C28-C31	632780	7.369	------	10.0	
15.90	C32-C35	21884	0.254	------	10.0	
16.99	C36-C39	9791	0.114	------	10.0	
19.29	C40+	37154	0.900	------	10.0	
		827112	10.989			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.96		1591	0.000	------	10.0	
		1591	0.000			

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.80		690	0.000	------	10.0	
		690	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.80		876	0.000	------	10.0	
		876	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.29		795	0.000	------	10.0	
10.55		88292	0.022	------	10.0	
11.01		390	9.757e-05	------	10.0	
11.08		3942	0.001	------	10.0	
		93419	0.023			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		24064	0.006	------	10.0	
		24064	0.006			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.97		1769	0.000	------	10.0	
14.23		2298	0.001	------	10.0	
13.97		797	0.000	------	10.0	
		4864	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		3016	0.001	------	10.0	
14.38		400	0.000	------	10.0	
14.55		619478	0.155	------	10.0	
14.99		3000	0.001	------	10.0	
15.22		4746	0.001	------	10.0	
15.36		2138	0.001	------	10.0	
		632780	0.158			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.60		459	0.000	------	10.0	
15.75		2074	0.001	------	10.0	
16.04		19351	0.005	------	10.0	
		21884	0.005			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.48		5633	0.001	------	10.0	
16.79		1729	0.000	------	10.0	
17.10		2429	0.001	------	10.0	
		9791	0.002			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.38		23553	0.006	------	10.0	
18.98		13601	0.003	------	10.0	
		37154	0.009			

Missing Component Report

Component Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O19_035A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-16 Time : 10/20/00 08:49 AM
Sample Number: DLW6F102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 05:13 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

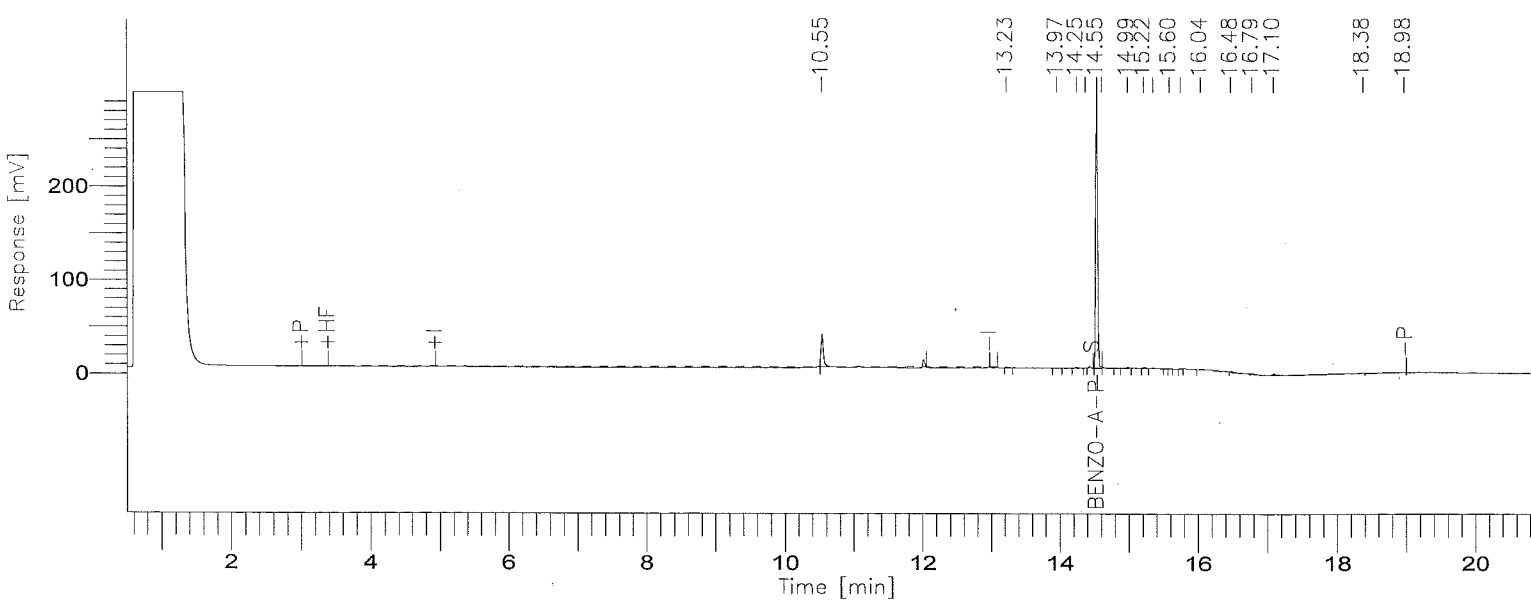
Raw Data File : C:\TC4\DATA_01\O19_035.RAW
Result File : C:\TC4\DATA_01\O19_035.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_035.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 18



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	624964	12.415	99.3	10.0	
		624964	12.415			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_035.TX0

Lot/Sample: E0J100272-017 C-2-125-1 TICs.....: N Report Results: Y
WO#.....: DLW6G-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 5:43 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_036A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:26:20
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.605	84.84		

Software Version: 4.1<2F12>
Sample Name : 272-17 Time : 10/23/00 10:55 AM
Sample Number: DLW6G102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 05:43 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

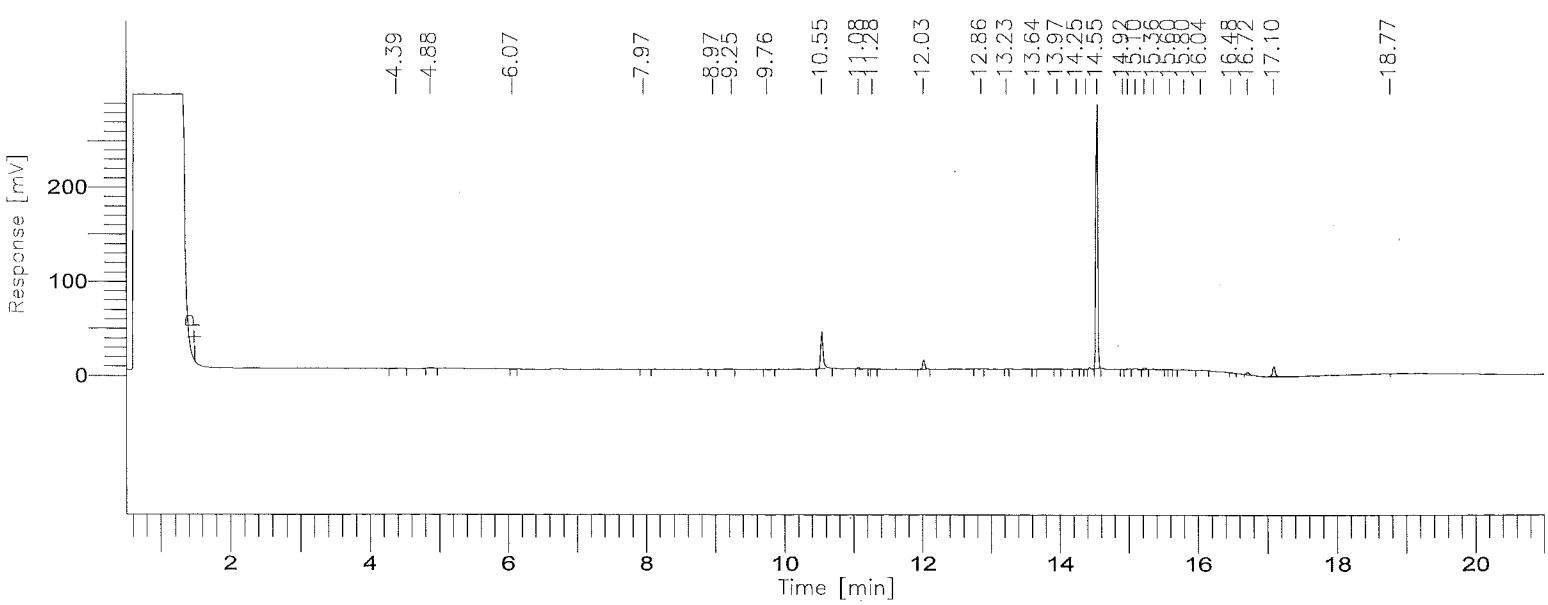
Raw Data File : C:\TC4\DATA_01\O19_036A.RAW
Result File : C:\TC4\DATA_01\O19_036A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_036A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 30



000971

BOE-C6-0158518

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	6934	0.173	------	10.0	
5.77	C10-C11	376	0.009	------	10.0	
7.31	C12-C13	563	0.013	------	10.0	
8.59	C14-C15	1026	0.021	------	10.0	
9.69	C16-C17	2811	0.065	------	10.0	
10.72	C18-C19	100481	2.092	------	10.0	
12.02	C20-C23	25658	0.295	------	10.0	
13.53	C24-C27	4354	0.052	------	10.0	
14.82	C28-C31	546453	6.364	------	10.0	
15.90	C32-C35	5937	0.069	------	10.0	
16.99	C36-C39	34421	0.402	------	10.0	
19.29	C40+	23342	0.565	------	10.0	
		752356	10.120			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.39		2764	0.001	------	10.0	
4.88		4170	0.001	------	10.0	
		6934	0.002			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.07		376	9.400e-05	------	10.0	
		376	9.400e-05			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

7.97		563	0.000	------	10.0
		563	0.000		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.97		1026	0.000	------	10.0	
		1026	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.24		2023	0.001	------	10.0	
9.76		788	0.000	------	10.0	
		2811	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		95501	0.024	------	10.0	
11.08		4980	0.001	------	10.0	
		100481	0.025			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		639	0.000	------	10.0	
12.03		25019	0.006	------	10.0	
		25658	0.006			

Group Report For : C24-C27

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
[illegible].86		1412	0.000	------	10.0
[illegible].23		1450	0.000	------	10.0
13.64		489	0.000	------	10.0
13.97		1003	0.000	------	10.0
		4354	0.001		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2498	0.001	------	10.0	
14.38		477	0.000	------	10.0	
14.55		528420	0.132	------	10.0	
14.92		329	8.226e-05	------	10.0	
14.99		3199	0.001	------	10.0	
15.10		3264	0.001	------	10.0	
15.23		5372	0.001	------	10.0	
15.36		2894	0.001	------	10.0	
		546453	0.137			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.60		377	9.425e-05	------	10.0	
15.80		3726	0.001	------	10.0	
16.04		1834	0.000	------	10.0	
		5937	0.001			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.48		515	0.000	------	10.0	
16.72		7830	0.002	------	10.0	
[illegible]10		26076	0.007	------	10.0	
		34421	0.009			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.77		23342	0.006	------	10.0	
		23342	0.006			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_036A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-17 Time : 10/20/00 08:49 AM
Sample Number: DLW6G102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 05:43 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

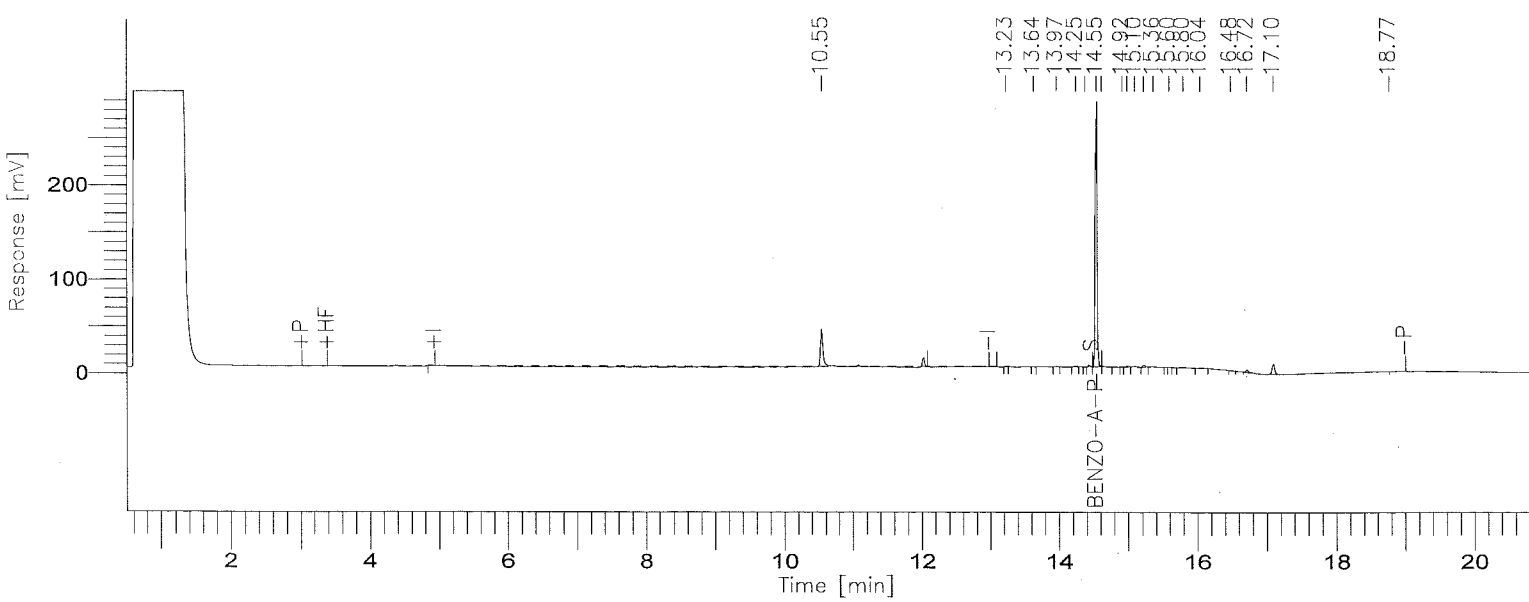
Raw Data File : C:\TC4\DATA_01\O19_036.RAW
Result File : C:\TC4\DATA_01\O19_036.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_036.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 20



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	533843	10.605	84.8	10.0	
		533843	10.605			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_036.TX0

PDE120 Severn Trent Laboratories, Inc. Date 10/25/2000
Page: 1 Data Review Time 13:27:08

Lot/Sample: E0J100272-018 C-2-125-5 TICs.....: N Report Results: Y
WO#.....: DLW6J-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 6:13 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_037A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:26:27
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	9.860	78.88		

Software Version: 4.1<2F12>
Sample Name : 272-18 Time : 10/23/00 10:55 AM
Sample Number: DLW6J102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 06:13 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

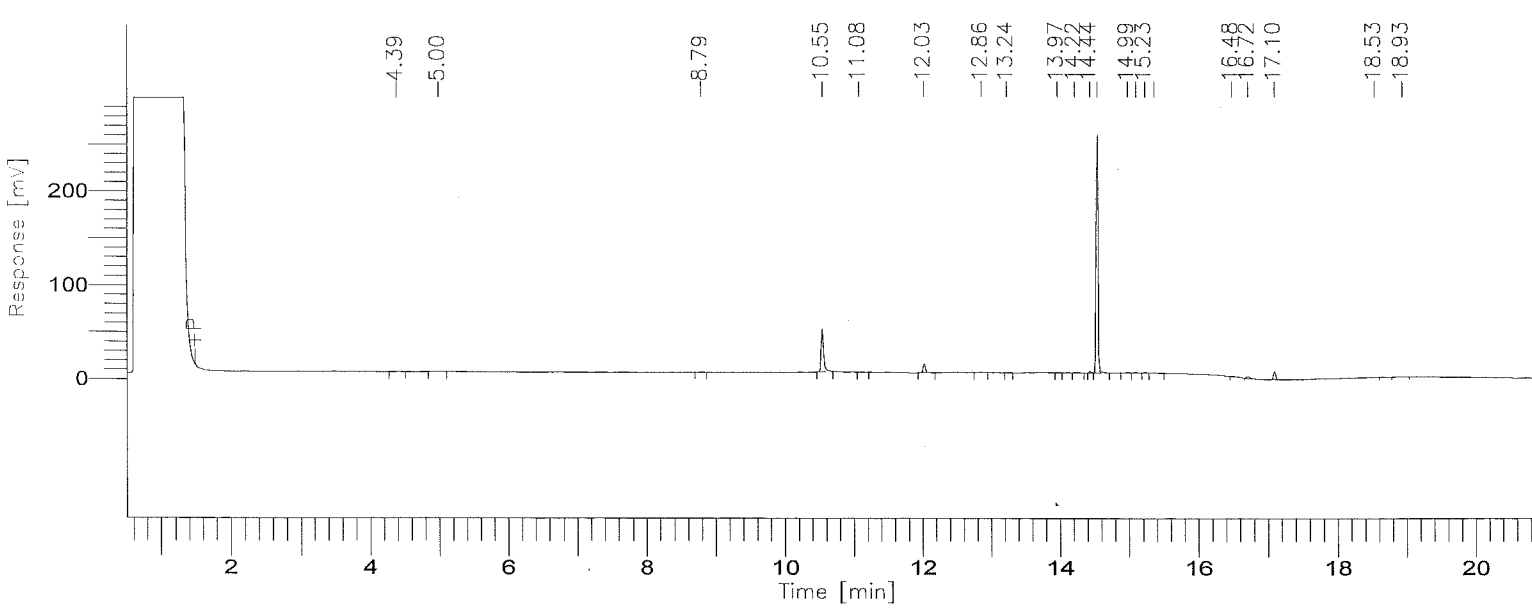
Raw Data File : C:\TC4\DATA_01\O19_037A.RAW
Result File : C:\TC4\DATA_01\O19_037A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_037A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	2056	0.051	------	10.0	
5.77	C10-C11	1802	0.043	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	1851	0.038	------	10.0	
9.69	C16-C17	0	0.000	------	10.0	
10.72	C18-C19	111818	2.328	------	10.0	
12.02	C20-C23	24501	0.282	------	10.0	
13.53	C24-C27	6270	0.075	------	10.0	
14.82	C28-C31	511477	5.956	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	25576	0.299	------	10.0	
19.29	C40+	12255	0.297	------	10.0	
		697605	9.369			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.39		2056	0.001	------	10.0	
		2056	0.001			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.00		1802	0.000	------	10.0	
		1802	0.000			

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.79		1851	0.000	------	10.0	
		1851	0.000			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		109089	0.027	------	10.0	
11.08		2729	0.001	------	10.0	
		111818	0.028			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		24501	0.006	------	10.0	
		24501	0.006			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.86		1510	0.000	------	10.0	
13.23		1490	0.000	------	10.0	
13.97		511	0.000	------	10.0	
[illegible]22		2759	0.001	------	10.0	
		6270	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2880	0.001	------	10.0	
14.54		497346	0.124	------	10.0	
14.98		2683	0.001	------	10.0	
15.10		2885	0.001	------	10.0	
15.23		3101	0.001	------	10.0	
15.36		2582	0.001	------	10.0	
		511477	0.128			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.48		562	0.000	------	10.0	
16.71		6763	0.002	------	10.0	
17.10		18251	0.005	------	10.0	
		25576	0.006			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.53		10176	0.003	------	10.0	
18.93		2079	0.001	------	10.0	
		12255	0.003			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_037A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-18 Time : 10/20/00 08:49 AM
Sample Number: DLW6J102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 06:13 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

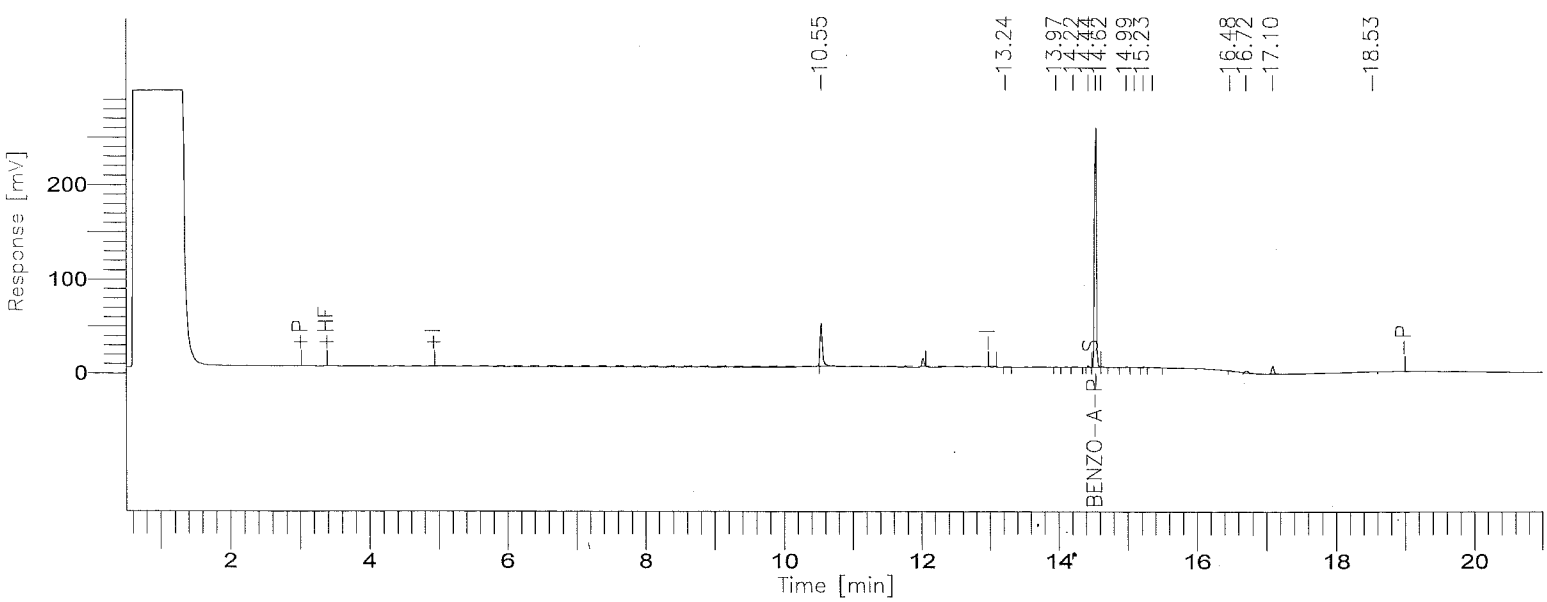
Raw Data File : C:\TC4\DATA_01\O19_037.RAW
Result File : C:\TC4\DATA_01\O19_037.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_037.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 15



000984

BOE-C6-0158531

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	496351	9.860	78.9	10.0	
		496351	9.860			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_037.TX0

Lot/Sample: E0J100272-019 C-2-129-1 TICs.....: N Report Results: Y
WO#.....: DLW6L-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 12:47 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_050A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:26:48
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			5.152	10	5	J	J
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			10.3482	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.333	90.664		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J100272-019 C-2-129-1 TICs.....: N Report Results: Y
WO#.....: DLW6L-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 272-19 Time : 10/23/00 10:56 AM
Sample Number: DLW6L102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 12:47 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

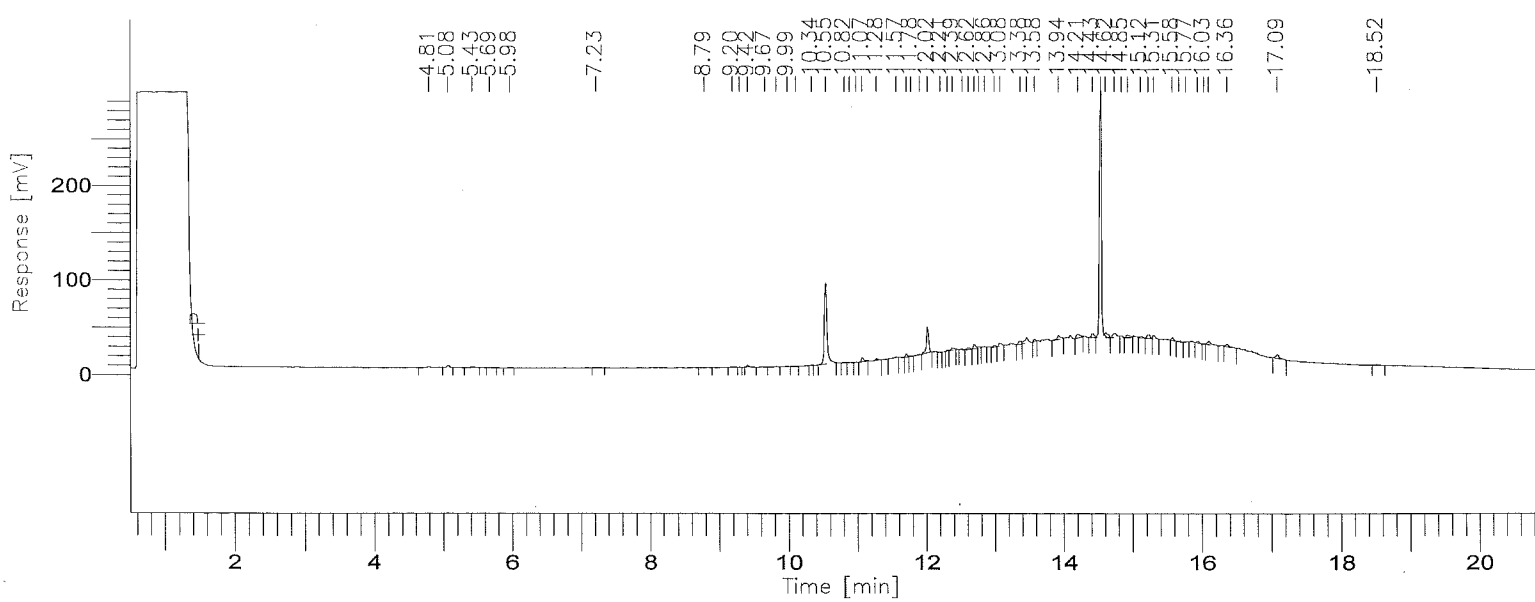
Raw Data File : C:\TC4\DATA_01\O19_050A.RAW
Result File : C:\TC4\DATA_01\O19_050A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_050A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 59



000988

BOE-C6-0158535

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	4462	0.112	------	10.0	
5.77	C10-C11	10509	0.249	------	10.0	
7.31	C12-C13	1948	0.045	------	10.0	
8.59	C14-C15	1435	0.030	------	10.0	
9.69	C16-C17	14515	0.335	------	10.0	
10.72	C18-C19	247468	5.152	------	10.0	
12.02	C20-C23	124889	1.438	------	10.0	
13.53	C24-C27	88497	1.054	------	10.0	
14.82	C28-C31	677780	7.893	------	10.0	
15.90	C32-C35	39612	0.460	------	10.0	
16.99	C36-C39	12881	0.150	------	10.0	
19.29	C40+	3038	0.074	------	10.0	
		1227033	16.992			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.81		4462	0.001	------	10.0	
		4462	0.001			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.08		5298	0.001	------	10.0	
5.43		2483	0.001	------	10.0	
5.69		694	0.000	------	10.0	
5.98		2034	0.001	------	10.0	
		10509	0.003			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.23		1948	0.000	------	10.0	
		1948	0.000			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.79		1435	0.000	------	10.0	
		1435	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.20		1607	0.000	------	10.0	
[illegible]30		626	0.000	------	10.0	
[illegible].42		5808	0.001	------	10.0	
9.67		1545	0.000	------	10.0	
9.83		2161	0.001	------	10.0	
9.99		1772	0.000	------	10.0	
10.12		996	0.000	------	10.0	
		14515	0.004			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		1635	0.000	------	10.0	
10.55		227687	0.057	------	10.0	
10.82		3064	0.001	------	10.0	
10.90		1749	0.000	------	10.0	
10.99		898	0.000	------	10.0	
11.07		12435	0.003	------	10.0	
		247468	0.062			

Group Report For : C20-C23

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
11.28		4208	0.001	------	10.0
11.57		4028	0.001	------	10.0
11.72		6823	0.002	------	10.0
11.78		1846	0.000	------	10.0
11.91		3437	0.001	------	10.0
12.02		65513	0.016	------	10.0
12.21		1692	0.000	------	10.0
12.32		3177	0.001	------	10.0
12.39		7320	0.002	------	10.0
12.53		1794	0.000	------	10.0
12.62		7220	0.002	------	10.0
12.71		13479	0.003	------	10.0
12.78		4352	0.001	------	10.0
		124889	0.031		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.86		4456	0.001	------	10.0	
13.00		4383	0.001	------	10.0	
13.08		8690	0.002	------	10.0	
13.38		11484	0.003	------	10.0	
13.47		22273	0.006	------	10.0	
13.58		6097	0.002	------	10.0	
13.93		15224	0.004	------	10.0	
14.21		15891	0.004	------	10.0	
		88497	0.022			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.43		14341	0.004	------	10.0	
14.55		588937	0.147	------	10.0	
14.62		13000	0.003	------	10.0	
14.74		20098	0.005	------	10.0	
14.85		5026	0.001	------	10.0	
14.93		9621	0.002	------	10.0	
15.12		4263	0.001	------	10.0	
15.23		13174	0.003	------	10.0	
15.31		9320	0.002	------	10.0	
		677780	0.169			

Group Report For : C32-C35

Time [in]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.58		5496	0.001	------	10.0	
15.67		3507	0.001	------	10.0	
15.77		2766	0.001	------	10.0	
15.94		3998	0.001	------	10.0	
16.03		1924	0.000	------	10.0	
16.10		13281	0.003	------	10.0	
16.36		8640	0.002	------	10.0	
		39612	0.010			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.09		12881	0.003	------	10.0	
		12881	0.003			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.52		3038	0.001	------	10.0	
		3038	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_050A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-19 Time : 10/20/00 01:07 PM
Sample Number: DLW6L102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 12:47 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

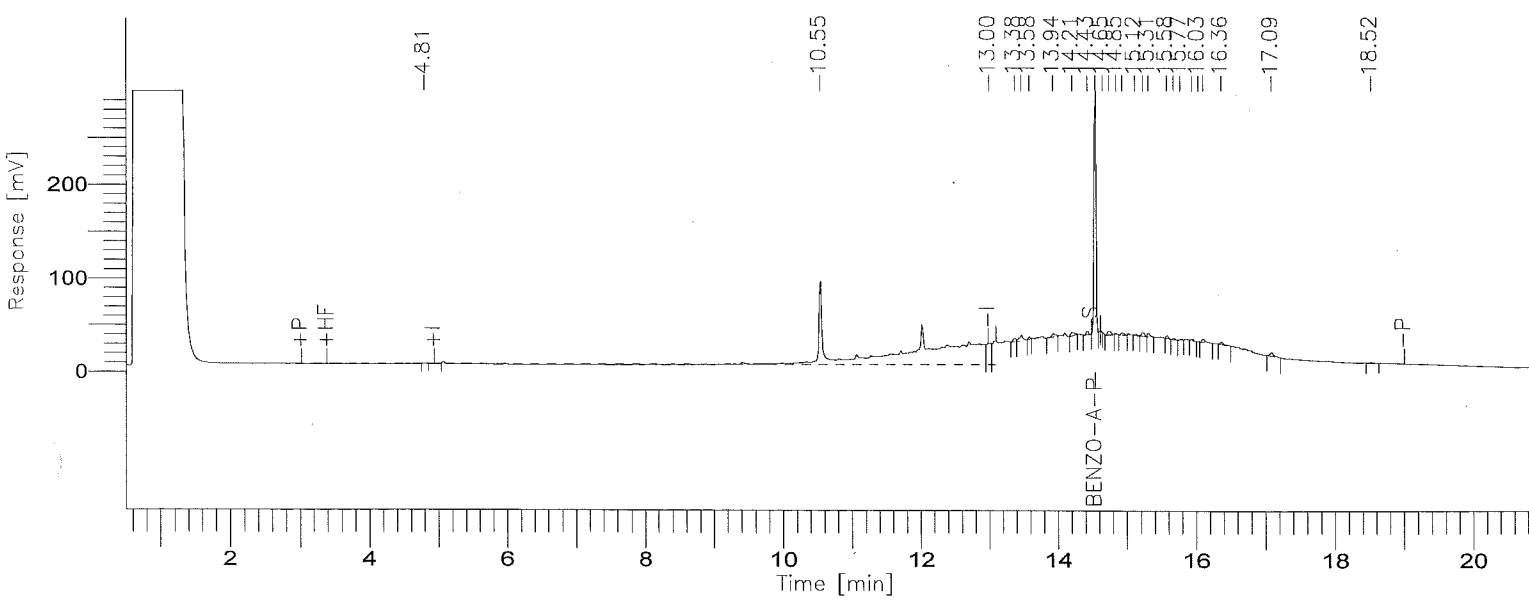
Raw Data File : C:\TC4\DATA_01\O19_050.RAW
Result File : C:\TC4\DATA_01\O19_050.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_050.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 26



000993

BOE-C6-0158540

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	570501	11.333	90.7	10.0	
		570501	11.333			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_050.TX0

Lot/Sample: E0J100272-020 C-2-129-5 TICs.....: N Report Results: Y
WO#.....: DLW6M-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/20/00
Inject Time..: 7:14 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_039A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:26:59
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.224	89.792		

Software Version: 4.1<2F12>
Sample Name : 272-20 Time : 10/23/00 10:56 AM
Sample Number: DLW6M102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 07:14 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

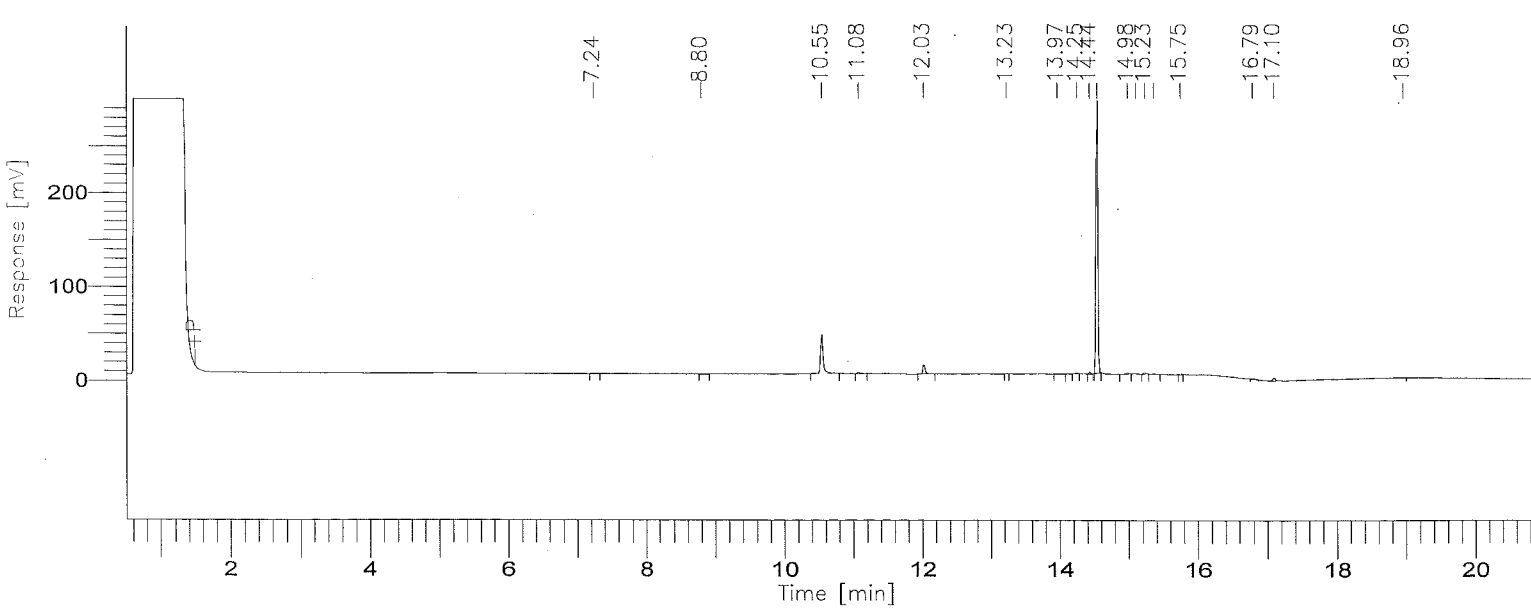
Raw Data File : C:\TC4\DATA_01\O19_039A.RAW
Result File : C:\TC4\DATA_01\O19_039A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_039A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 18



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	896	0.021	------	10.0	
8.59	C14-C15	669	0.014	------	10.0	
9.69	C16-C17	0	0.000	------	10.0	
10.72	C18-C19	109446	2.278	------	10.0	
12.02	C20-C23	25966	0.299	------	10.0	
13.53	C24-C27	2797	0.033	------	10.0	
14.82	C28-C31	577101	6.720	------	10.0	
15.90	C32-C35	2357	0.027	------	10.0	
16.99	C36-C39	9216	0.108	------	10.0	
19.29	C40+	27121	0.657	------	10.0	
		755568	10.158			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.24		896	0.000	------	10.0	
		896	0.000			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.80		669	0.000	------	10.0	
		669	0.000			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		105884	0.026	------	10.0	
11.08		3562	0.001	------	10.0	
		109446	0.027			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.02		25966	0.006	------	10.0	
		25966	0.006			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.23		1600	0.000	------	10.0	
13.97		1197	0.000	------	10.0	
		2797	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

14.25	1888	0.000	------	10.0
14.43	3356	0.001	------	10.0
[illegible].54	559905	0.140	------	10.0
[illegible].98	3219	0.001	------	10.0
15.10	2960	0.001	------	10.0
15.23	3988	0.001	------	10.0
15.36	1785	0.000	------	10.0
	577101	0.144		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.75		2357	0.001	------	10.0	
		2357	0.001			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.79		1588	0.000	------	10.0	
17.10		7628	0.002	------	10.0	
		9216	0.002			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.96		27121	0.007	------	10.0	
		27121	0.007			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_039A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-20 Time : 10/20/00 08:49 AM
Sample Number: DLW6M102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 07:14 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

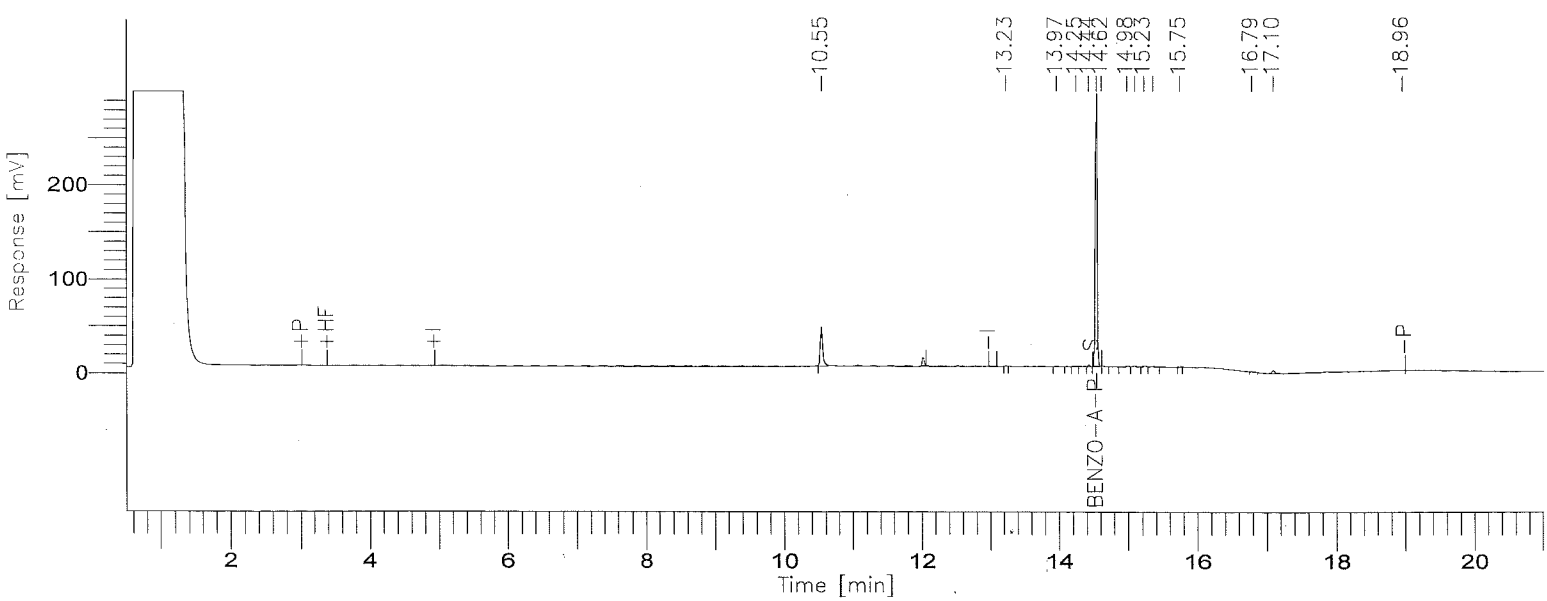
Raw Data File : C:\TC4\DATA_01\O19_039.RAW
Result File : C:\TC4\DATA_01\O19_039.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_039.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 15



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	565046	11.224	89.8	10.0	
		565046	11.224			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_039.TX0

Lot/Sample: E0J100272-021 C-2-128-5 TICs.....: N Report Results: Y
WO#.....: DLW6P-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/19/00
Inject Time..: 20:39 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O19_018
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/10/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 14:28:34
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/11/00
QC Batch.....: 0285569
MS Run Number: 0285283
Prep Time....: 15:00-19:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.166	97.328		

Software Version: 4.1<2F12>
Sample Name : 272-21 Time : 10/23/00 10:56 AM
Sample Number: DLW6P102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 07:44 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

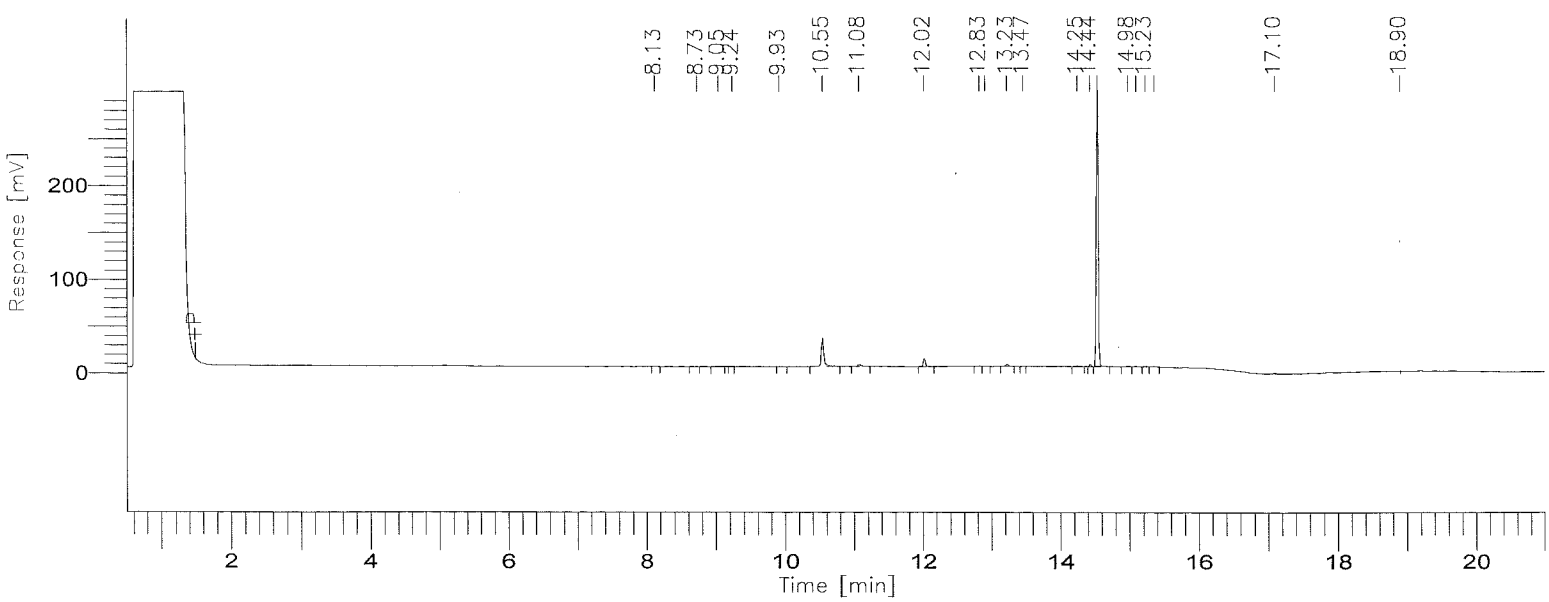
Raw Data File : C:\TC4\DATA_01\O19_040A.RAW
Result File : C:\TC4\DATA_01\O19_040A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_040A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O19A.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	2046	0.042	------	10.0	
9.69	C16-C17	1420	0.033	------	10.0	
10.72	C18-C19	82536	1.718	------	10.0	
12.02	C20-C23	22511	0.259	------	10.0	
13.53	C24-C27	6216	0.074	------	10.0	
14.82	C28-C31	630572	7.343	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	2039	0.024	------	10.0	
19.29	C40+	26441	0.640	------	10.0	
		773781	10.134			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

8.13		562	0.000	------	10.0
[illegible].73		524	0.000	------	10.0
[illegible].05		960	0.000	------	10.0
		2046	0.001		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.24		748	0.000	------	10.0	
9.93		672	0.000	------	10.0	
		1420	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible] 55		75773	0.019	------	10.0	
11.08		6763	0.002	------	10.0	
		82536	0.021			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.02		22511	0.006	------	10.0	
		22511	0.006			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.83		846	0.000	------	10.0	
[illegible] 91		790	0.000	------	10.0	
13.23		4000	0.001	------	10.0	
13.47		580	0.000	------	10.0	
		6216	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		3054	0.001	------	10.0	
14.44		3624	0.001	------	10.0	
14.55		613307	0.153	------	10.0	
14.98		3036	0.001	------	10.0	
15.10		2663	0.001	------	10.0	
15.23		3069	0.001	------	10.0	
15.36		1820	0.000	------	10.0	
		630572	0.158			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.10		2039	0.001	------	10.0	
		2039	0.001			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.90		26441	0.007	------	10.0	
		26441	0.007			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_040A.TX0

Software Version: 4.1<2F12>
Sample Name : 272-21 Time : 10/20/00 08:49 AM
Sample Number: DLW6P102 Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/20/00 07:44 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

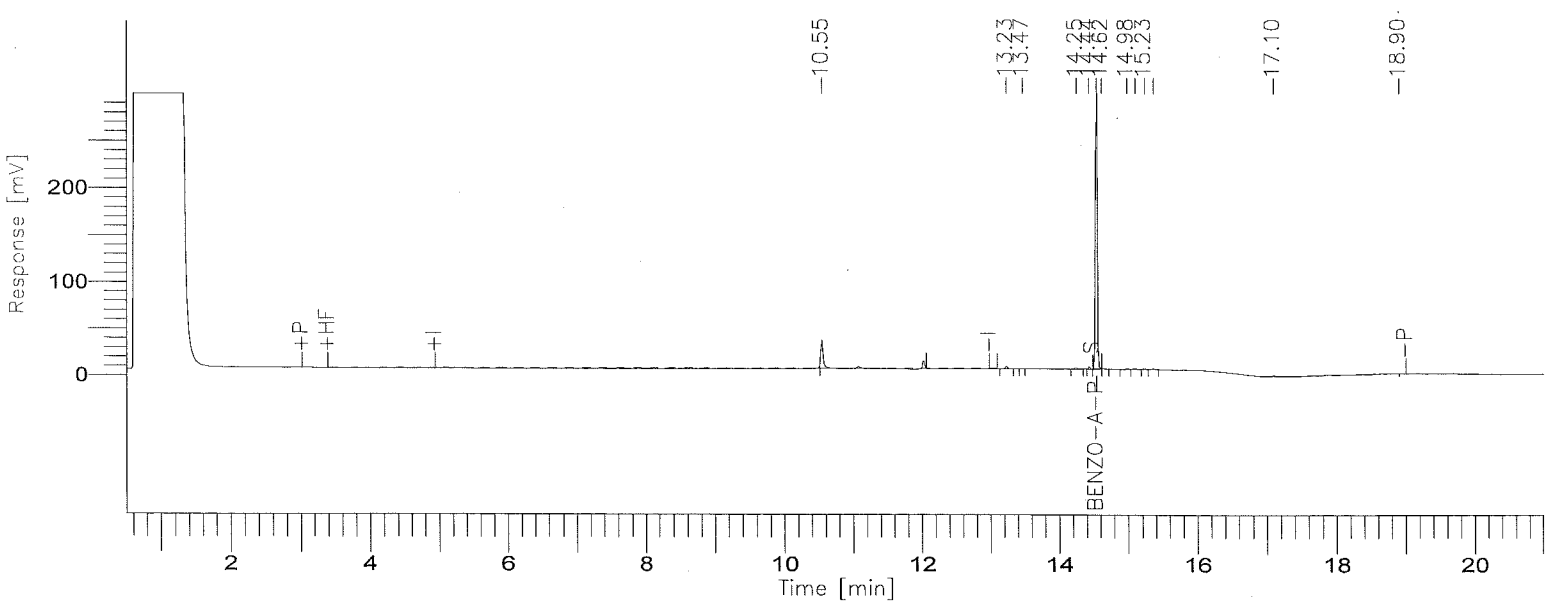
Raw Data File : C:\TC4\DATA_01\O19_040.RAW
Result File : C:\TC4\DATA_01\O19_040.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_040.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 13



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	612425	12.166	97.3	10.0	
		612425	12.166			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_040.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 10/19/00

Instrument ID: Ge01

Diesel $C_{10} \rightarrow C_{24}$

BOE-C6-0158557

Turbochrom Method File : C:\TC4\DATA_01\METHODS\DBC10C24.MTH
Created by : ELVIE on : 11/1/99 01:41 PM
Edited by : ec on : 10/20/00 08:42 AM
scription :

Number of Times Edited : 77
Number of Times Calibrated : 577

GC01 Diesel $C_{10} \rightarrow C_{24}$

10/19/00
DBC10C24.Mth.
Average Cal factor - OK
Second source - OK

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 50 µV
Area Threshold : 200.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - -P at 0.131
Event #2 - +P at 3.025
Event #3 - +HF at 3.400
Event #4 - +I at 4.950
Event #5 - -I at 12.985
Event #6 - -HF at 13.101
Event #7 - S at 14.489
Event #8 - S at 14.617
Event #9 - -P at 19.000

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\TC4\DATA_01\RST_READ.EXE
Command Line : $RST
Entry Point : Post Analysis
Synchronize : NO

Global Information :
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES

001011

Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

ponent Information :

DIESEL C10-C24

Component Type : Single Peak Component
Retention Time : 7.708 min Search Window: 40.00 s, 10.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 1000.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	40.0000	334269.00	5216.17	----------	----------	1
2	100.0000	1063261.00	13650.75	----------	----------	1
3	1000.0000	10375782.00	115651.79	----------	----------	1
4	2000.0000	21666648.00	232684.35	----------	----------	1
5	5000.0000	54132749.00	545927.07	----------	----------	1

Average Calibration Factor = 10204.998160 (%RSD = 10.29)

BENZO-A-PYRENE

Component Type : Single Peak Component
Retention Time : 14.546 min Search Window: 5.00 s, 3.00 %
Reference Component:
Find largest peak in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 12.500000
Value 2: 0.250000
Value 3: 12.500000
Value 4: 0.250000
Value 5: 50.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	125744.00	72757.73	----------	----------	1
2	25.0000	331731.14	172015.96	----------	----------	1
3	50.0000	601695.31	366454.69	----------	----------	1
4	80.0000	1004191.20	567836.50	----------	----------	1
5	100.0000	1249645.00	608163.93	----------	----------	1

Average Calibration Factor = 12585.278374 (%RSD = 3.51)

Software Version: 4.1<2F12>
Sample Name : #TEPH00-129 SECOND SOURCE DIESEL STD Time : 10/20/00 08:42 AM
Sample Number: 1000 PPM Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 07:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Second source - good to use 10-20-00 EC

From Ext. lab diesel stock # 1560-2
Source - Unim 76 Edinger Stab

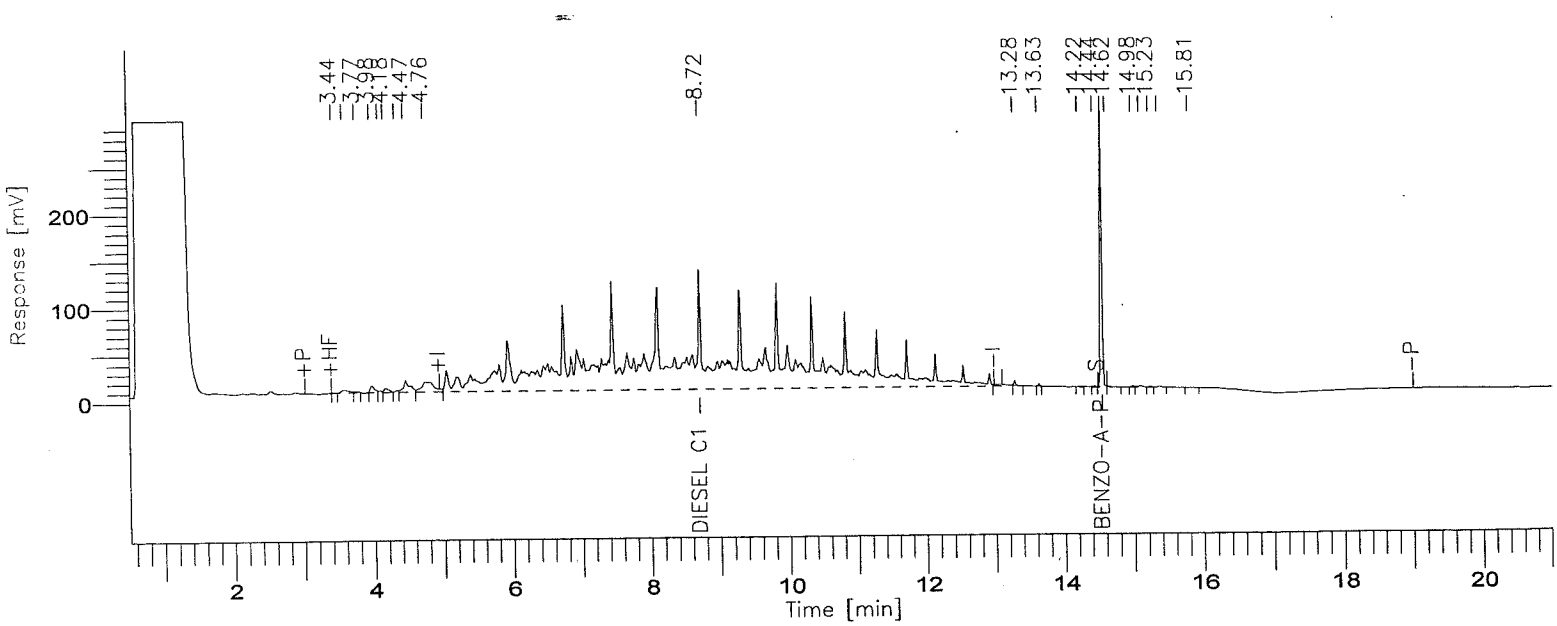
Raw Data File : C:\TC4\DATA_01\O19_016.RAW
Result File : C:\TC4\DATA_01\O19_016.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_016.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



001013

BOE-C6-0158560

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.435		452	0.0005	------	----------
3.588		22870	0.0229	------	----------
3.766		6257	0.0063	------	----------
3.982		30471	0.0305	------	----------
4.102		6226	0.0062	------	----------
4.179		19219	0.0192	------	----------
4.341		6486	0.0065	------	----------
4.469		82831	0.0828	------	----------
4.755		132747	0.1327	------	----------
8.719	DIESEL C10-C24	10109711	990.6627	1000.0	-0.93
13.283		8042	0.0080	------	----------
13.634		3638	0.0036	------	----------
14.219		2782	0.0028	------	----------
.436		3114	0.0031	------	----------
14.548	BENZO-A-PYRENE	630056	50.0629	50.0	0.13
14.617		2444	0.0024	------	----------
14.984		3243	0.0032	------	----------
15.100		5113	0.0051	------	----------
15.234		2344	0.0023	------	----------
15.364		2457	0.0025	------	----------
15.805		1379	0.0014	------	----------
		11081882	1041.0678		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_016.TX0

Software Version: 4.1<2F12>
Date: 10/20/00 08:40 AM
Sample Name : #TEPH00-175 DIESEL STD
a File : C:\TC4\DATA_01\O19_011.RAW Date: 10/19/00 05:07 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 11 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 1
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.708	40.00000	334269.000000	8356.725000	7.32	5	------	------	1	0
BENZO-A-PYRENE	14.546	10.00000	125744.000000	12574.400000	0.05	5	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	10204.998160	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	12585.278374	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-175 DIESEL STD Time : 10/20/00 08:40 AM
Sample Number: 40 PPM Study : ICAL 10/19/00
(rator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 05:07 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

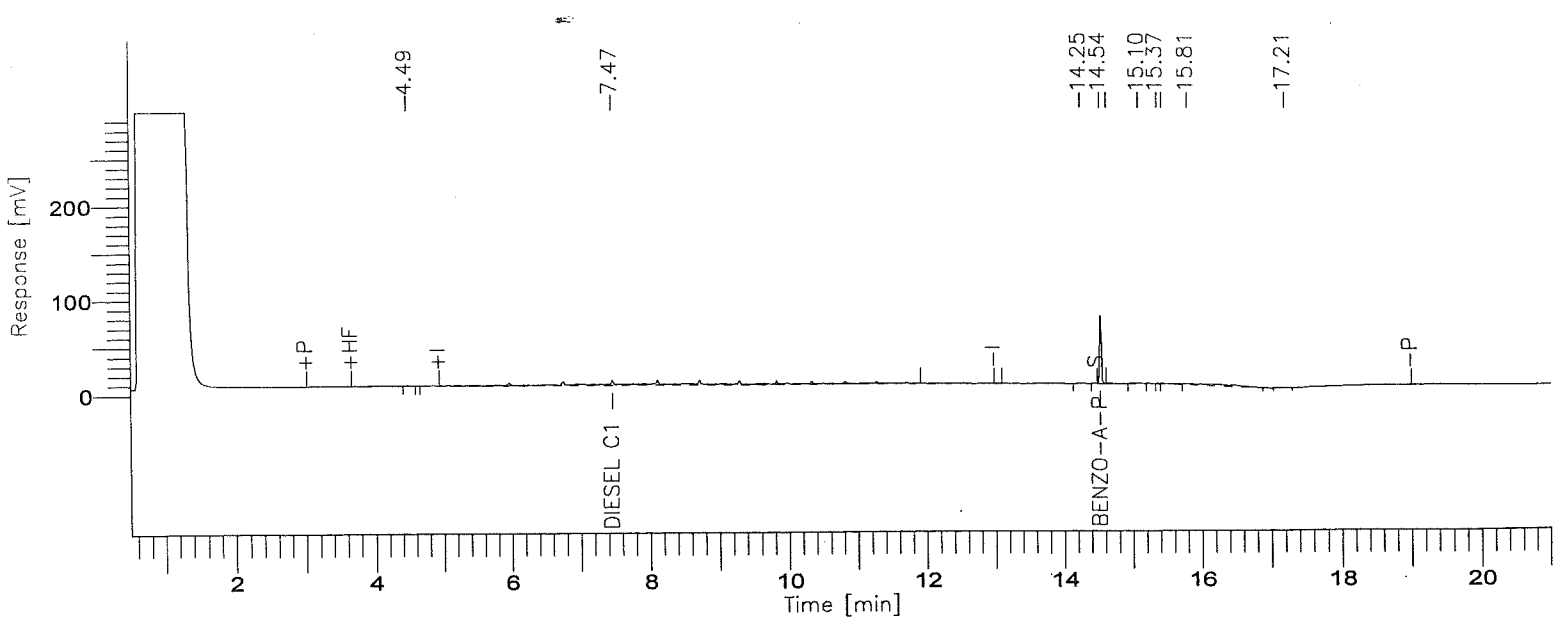
Raw Data File : C:\TC4\DATA_01\O19_011.RAW
Result File : C:\TC4\DATA_01\O19_011.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_011.r
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 10



001016

BOE-C6-0158563

8015B(TEPH)

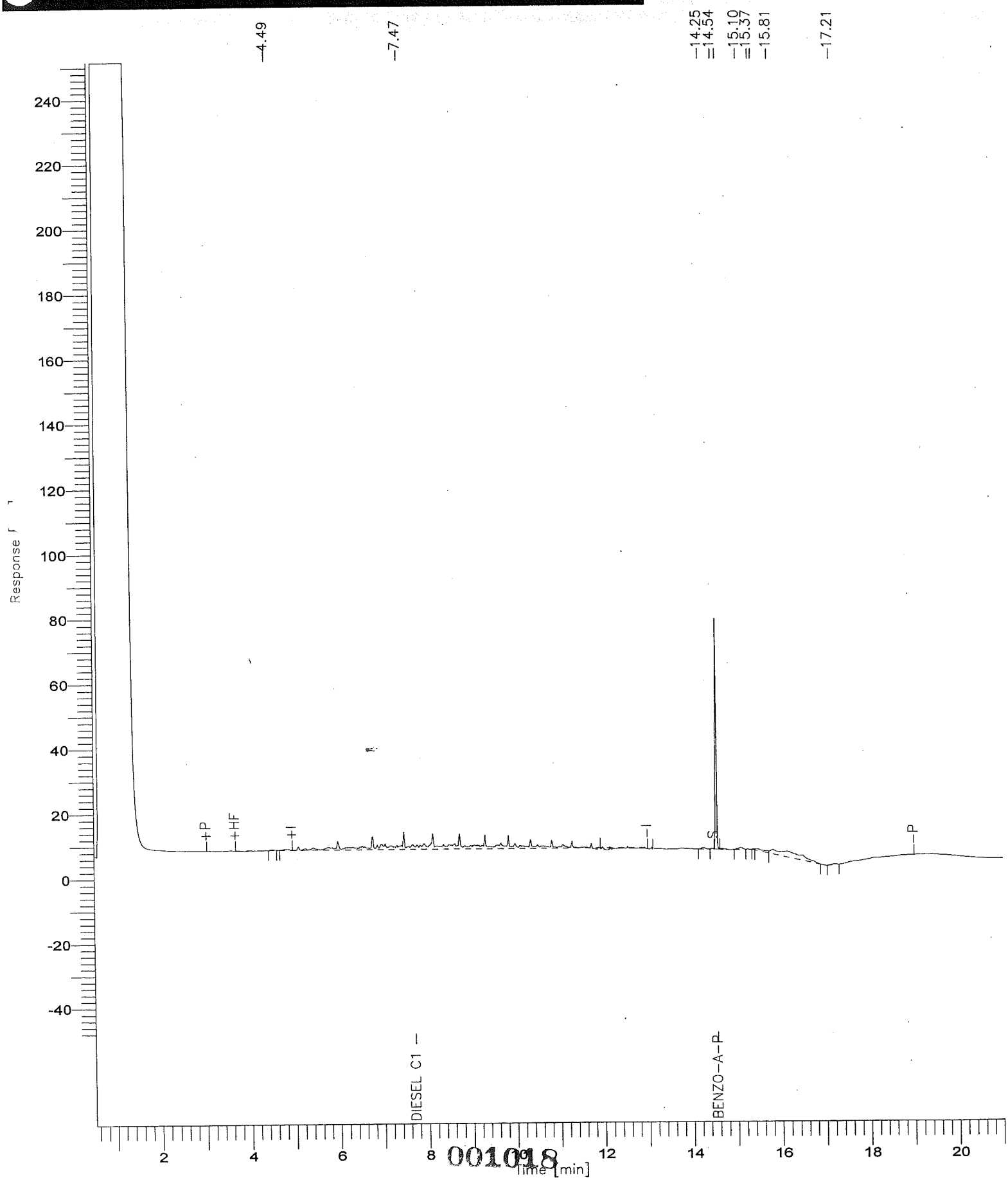
GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.47	DIESEL C10-C24	334269	32.755	------	10.0	
14.54	BENZO-A-PYRENE	125744	9.991	79.9	10.0	
		460013	42.747			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_011.TX0

[redacted]



001018

BOE-C6-0158565

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-176 DIESEL STD
Data File : C:\TC4\DATA_01\O19_012.RAW Date: 10/19/00 05:38 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 12 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 2
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.818	100.00000	1063261.000000	10632.610000	5.16	5	------	------	1	0
BENZO-A-PYRENE	14.539	25.00000	331731.142857	13269.245714	0.02	2	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	8441.233440	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11452.013912	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list
- 3 = Component not calibrated: No ISTD specified in method
- 4 = Component not calibrated: ISTD was not found in peak list
- 5 = Component not calibrated: Uses constant calibration factor
- 6 = Component not calibrated: Uses calibration reference
- 7 = Component not calibrated: No calibration at this level
- 8 = Component not calibrated: Incomplete named group
- 9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-176 DIESEL STD
Sample Number: 100 PPM
O rator :

Time : 10/20/00 08:31 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 05:38 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O19_012.RAW
Result File : C:\TC4\DATA_01\O19_012.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_012.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

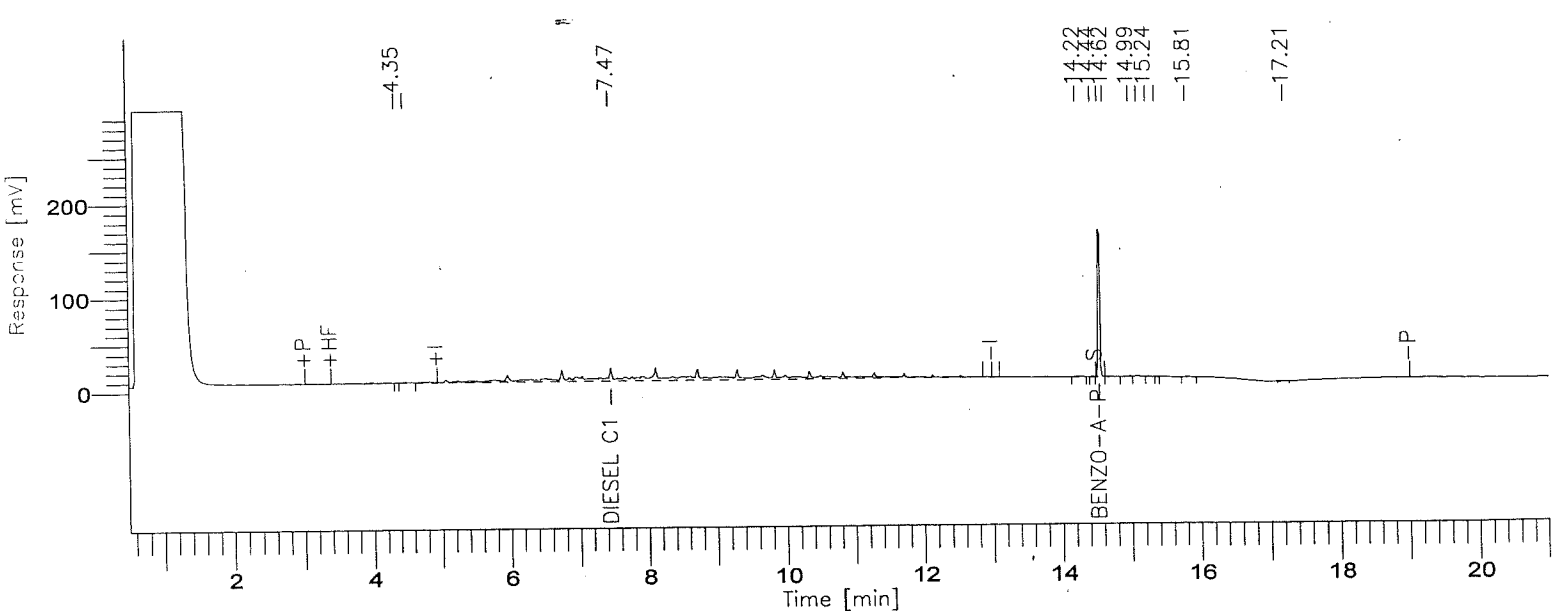
Noise Threshold: 50
M tiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 1.0000
User2 :
User4 :

Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 13



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.47	DIESEL C10-C24	1063261	125.960	------	10.0	
14.54	BENZO-A-PYRENE	331731	28.967	231.7	10.0	
		1394992	154.927			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_012.TX0

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-178 DIESEL STD
Data File : C:\TC4\DATA_01\O19_013.RAW Date: 10/19/00 06:08 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 13 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

==========

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 3
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

==========

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.778	1000.00000	1.03757820e+07	10375.782000	5.57	5	------	------	1	0
BENZO-A-PYRENE	14.542	50.00000	601695.307692	12033.906154	0.04	3	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	8928.283440	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11749.408374	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-178 DIESEL STD
Data File : C:\TC4\DATA_01\O19_013.RAW Date: 10/19/00 06:08 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 13 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

==========

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 3
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

==========

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.778	1000.00000	1.03757820e+07	10375.782000	5.57	5	------	------	1	0
BENZO-A-PYRENE	14.542	50.00000	601695.307692	12033.906154	0.04	3	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	8928.283440	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11749.408374	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-178 DIESEL STD
Data File : C:\TC4\DATA_01\O19_013.RAW Date: 10/19/00 06:08 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 13 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 3
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.778	1000.00000	1.03757820e+07	10375.782000	5.57	5	------	------	1	0
BENZO-A-PYRENE	14.542	50.00000	601695.307692	12033.906154	0.04	3	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	8928.283440	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11749.408374	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/20/00 08:31 AM
Sample Number: 1000 PPM Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 06:08 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

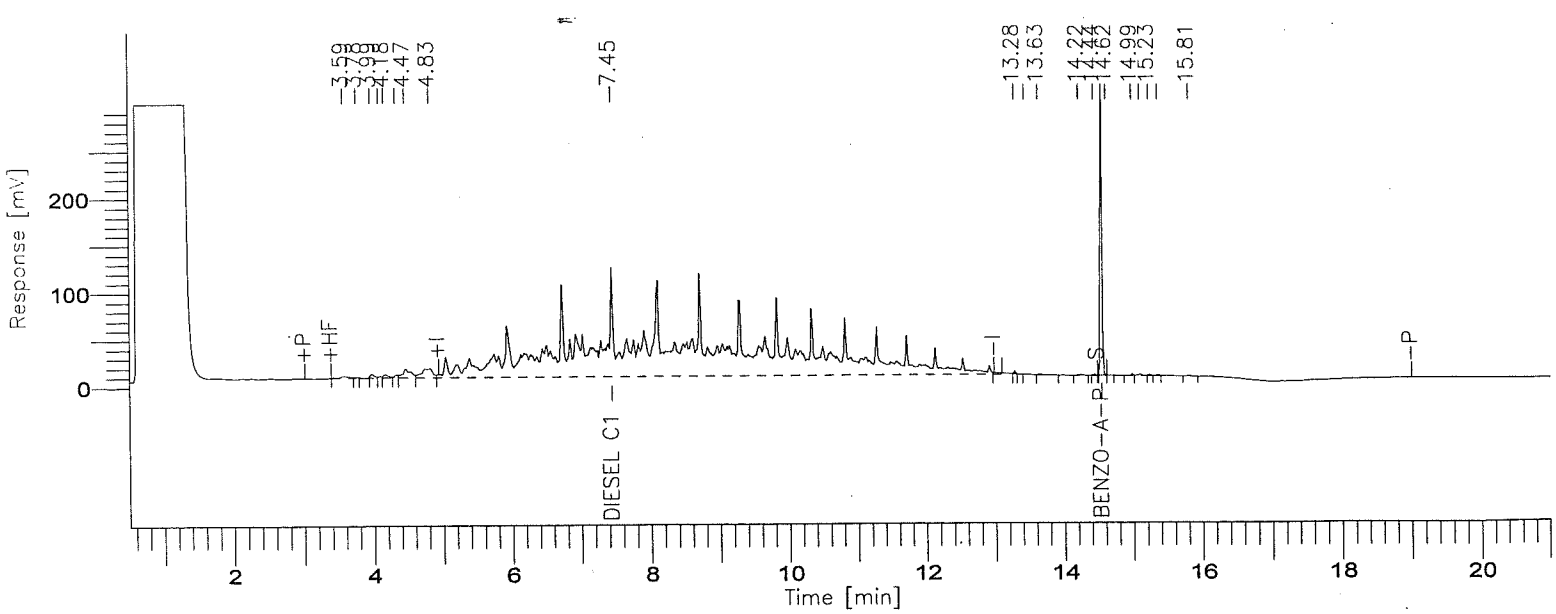
Raw Data File : C:\TC4\DATA_01\O19_013.RAW
Result File : C:\TC4\DATA_01\O19_013.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_013.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



001023

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.45	DIESEL C10-C24	10375782	1162.125	------	10.0	
14.55	BENZO-A-PYRENE	601695	51.211	409.7	10.0	
		10977477	1213.336			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\019_013.TX0

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-179 DIESEL STD
Data File : C:\TC4\DATA_01\O19_014.RAW Date: 10/19/00 06:38 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 14 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 4
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.868	2000.00000	2.16666480e+07	10833.324000	7.38	5	------	------	1	0
BENZO-A-PYRENE	14.544	80.00000	1004191.200000	12552.390000	0.04	4	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	9433.973040	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	12155.506374	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-179 DIESEL STD
Sample Number: 2000 PPM
Operator :

Time : 10/20/00 08:31 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 06:38 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O19_014.RAW
Result File : C:\TC4\DATA_01\O19_014.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_014.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

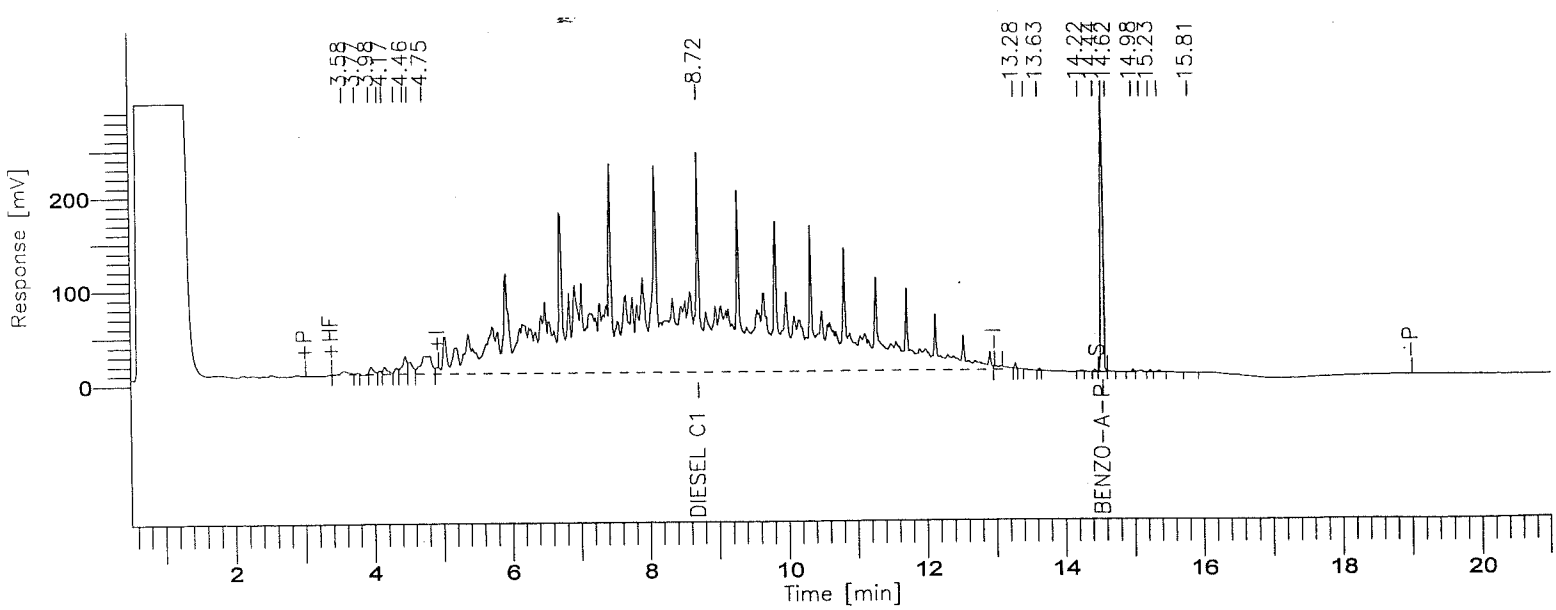
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 200
Bunch Factor: 1
Multiplier : 1.0000
Divisor : 1.0000
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 22



001026

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.72	DIESEL C10-C24	21666648	2296.662	------	10.0	
14.55	BENZO-A-PYRENE	1004191	82.612	660.9	10.0	
		22670839	2379.274			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_014.TX0

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-181 DIESEL STD
Data File : C:\TC4\DATA_01\O19_015.RAW Date: 10/19/00 07:08 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 15 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 5
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.708	5000.00000	5.41327490e+07	10826.549800	7.32	5	------	------	1	0
BENZO-A-PYRENE	14.546	100.00000	1249645.000000	12496.450000	0.05	5	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	10174.428160	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	12585.298374	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-181 DIESEL STD
Sample Number: 5000 PPM
(rator :

Time : 10/20/00 08:31 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 07:08 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O19_015.RAW
Result File : C:\TC4\DATA_01\O19_015.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_015.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

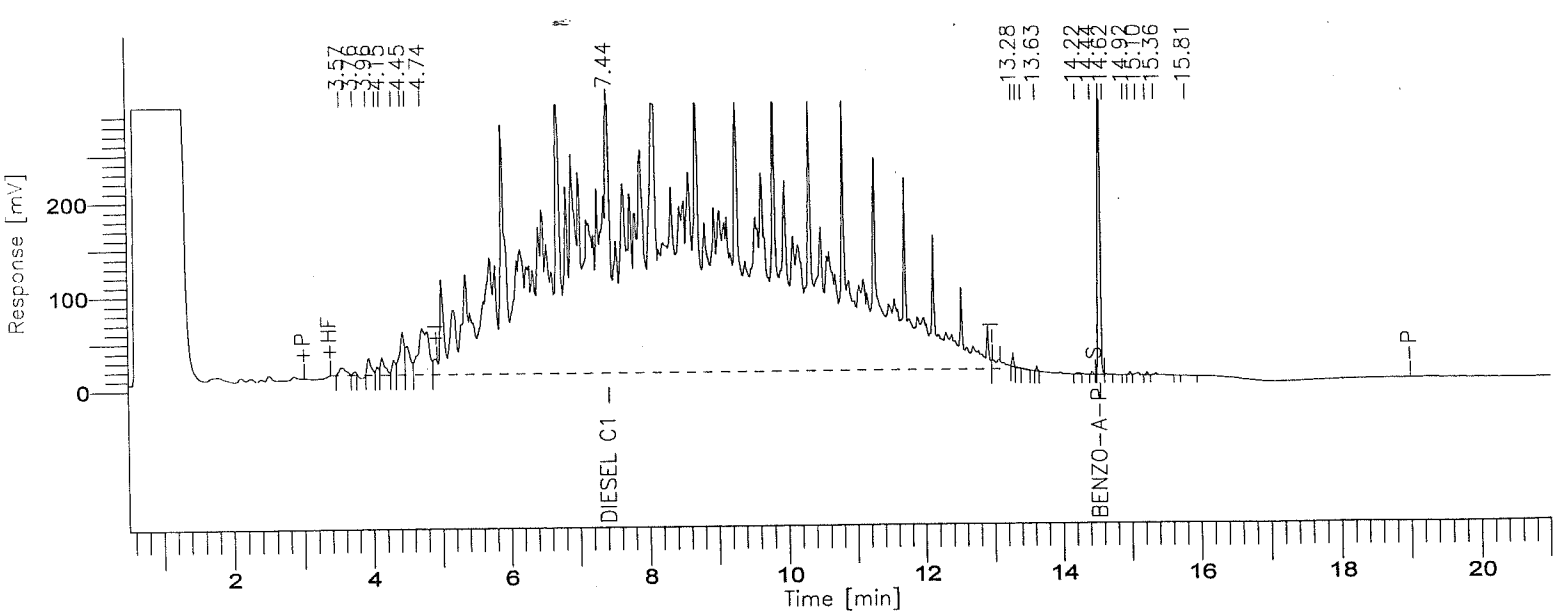
Noise Threshold: 50
' tiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 1.0000
User2 :
User4 :

Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 24



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.43	DIESEL C10-C24	54132749	5320.471	------	10.0	
14.55	BENZO-A-PYRENE	1249645	99.294	794.4	10.0	
		55382394	5419.765			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_015.TX0

Software Version: 4.1<2F12>
Sample Name : DAILY RT MAKER
Sample Number: C8-C40
Operator :

Time : 10/20/00 08:31 AM
Study : ICAL 8/28/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 04:37 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O19_010.RAW
Result File : C:\TC4\DATA_01\O19_010.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_010.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

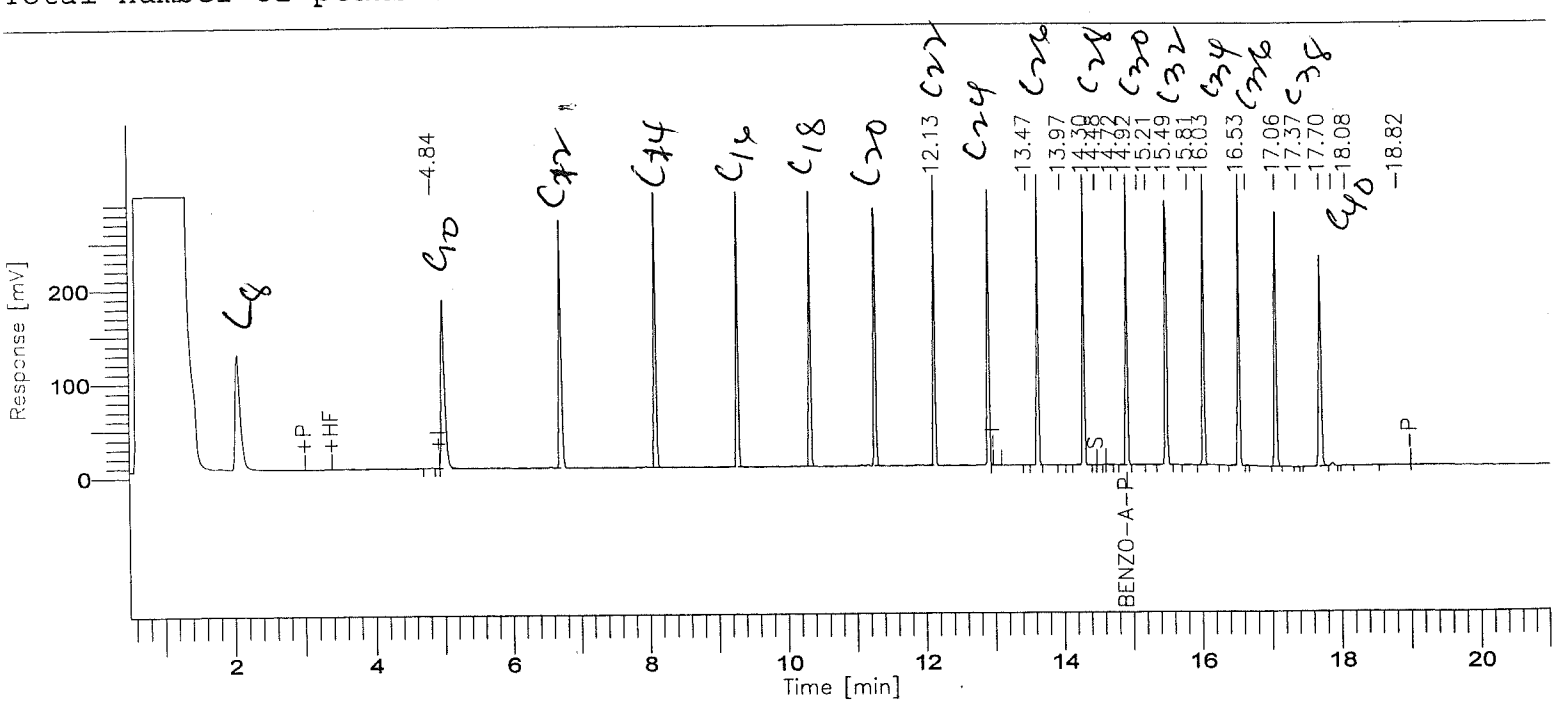
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 23



001031

BOE-C6-0158580

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
7.98	DIESEL C10-C24	0	0.0000	------	1.0	
14.92	BENZO-A-PYRENE	580471	17.3429	6937.2	1.0	
		580471	17.3429			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_010.TX0

Turbochrom Sequence File : C:\TC4\DATA_01\019.SEQ
Created by : doug on : 10/18/00 05:45 PM
Edited by : EC on : 10/20/00 08:29 AM
Description :

Number of Times Edited : 9

Sequence File Header Information:

Number of Rows : 159
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	#TEPH00-175 DIE	40 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	#TEPH00-176 DIE	100 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Cal:Replace	#TEPH00-179 DIE	2000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	#TEPH00-175 DIE	40 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	#TEPH00-176 DIE	100 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Cal:Replace	#TEPH00-179 DIE	2000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Cal:Replace	#TEPH00-181 DIE	5000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Std Check	#TEPH00-129 SEC	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	272-MB	DM1DP1AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	272-LCS	DM1DP1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	272-01	DLW5C102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	272-01 MS	DLW5C11US	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	271-01 MSD	DLW5C11VD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	272-03	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	272-04	DLW5N102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	272-08	DLW60102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	272-09	DLW62102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	272-10	DLW63102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	272-11	DLW65102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	272-12	DLW69102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	272-13	DLW6C102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	272-14	DLW6D102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	272-15	DLW6E102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	272-16	DLW6F102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	272-17	DLW6G102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	272-18	DLW6J102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	272-19	DLW6L102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	272-20	DLW6M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	272-21	DLW6P102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	326-02	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	326-02 MS	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	326-02 MSD	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	272-03	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	272-12	DLW69102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	272-19	DLW6L102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	274-MB	DM1D01AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	274-LCS	DM1D-1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	274-26	DLW7L101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	274-26 MS	DLW7L104S	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	274-26 MSD	DLW7L105D	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	274-27	DLW7P101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	274-28	DLW7Q101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
60	Sample	274-29	DLW7T101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

INITIAL CALIBRATION DATA

Date Analyzed: 10-3-00

Instrument ID: GC1

C8 → C40T

Turbochrom Method File : C:\TC4\DATA_01\METHODS\C8-C40A.MTH <Modified>
Created by : ELVIE on : 6/8/00 12:53 PM
Edited by : ec on : 10/4/00 10:00 AM
Description :

Number of Times Edited : 32
Number of Times Calibrated : 589

ICAL 10-3-00

ALL AVG CF

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 50 µV
Area Threshold : 200.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - -P at 0.131
Event #2 - +P at 1.500
Event #3 - -P at 23.390

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\TC4\DATA_01\RST_READ.EXE
Command Line : $RST
Entry Point : Post Analysis
Synchronize : NO

Global Information :
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
C8-C9

Component Type : Timed Group
Start Time : 1.957 min End Time : 4.935 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	98942.00	20976.93	----------	----------	1
2	20.0000	181282.00	37531.86	----------	----------	1
3	30.0000	314824.00	65619.88	----------	----------	1
4	40.0000	420877.00	85133.87	----------	----------	1
5	50.0000	499248.00	102748.16	----------	----------	1

Average Calibration Factor = 9991.863667 (%RSD = 5.93)

C10-C11
Component Type : Timed Group
Start Time : 4.936 min End Time : 6.607 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	104746.00	34392.64	----------	----------	1
2	20.0000	191191.38	60962.83	----------	----------	1
3	30.0000	331740.00	100901.38	----------	----------	1
4	40.0000	443619.70	132979.35	----------	----------	1
5	50.0000	528720.50	149845.42	----------	----------	1

Average Calibration Factor = 10551.414346 (%RSD = 5.88)

C12-C13
Component Type : Timed Group
Start Time : 6.608 min End Time : 8.021 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	110266.00	49885.54	----------	----------	1
2	20.0000	19[illegible]	[illegible]6.59	----------	----------	1

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3	30.0000	333534.97	151395.93	----------	----------	1
4	40.0000	448041.99	196026.43	----------	----------	1
5	50.0000	531098.96	212299.79	----------	----------	1

Average Calibration Factor = 10731.104958 (%RSD = 5.81)

C14-C15

Component Type : Timed Group
Start Time : 8.022 min End Time : 9.151 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	150365.50	56818.65	----------	----------	1
2	20.0000	218824.35	104560.13	----------	----------	1
3	30.0000	355440.23	181276.09	----------	----------	1
4	40.0000	462324.60	230294.14	----------	----------	1
5	50.0000	542272.36	257979.20	----------	----------	1

Average Calibration Factor = 12045.867437 (%RSD = 14.31)

C16-C17

Component Type : Timed Group
Start Time : 9.152 min End Time : 10.231 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	112854.50	64028.09	----------	----------	1
2	20.0000	190749.20	112897.43	----------	----------	1
3	30.0000	330558.30	189891.03	----------	----------	1
4	40.0000	459089.70	244401.96	----------	----------	1
5	50.0000	539937.28	279018.73	----------	----------	1

Average Calibration Factor = 10823.501644 (%RSD = 7.06)

C18-C19

Component Type : Timed Group
Start Time : 10.232 min End Time : 11.208 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000

Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	151176.00	80086.96	----------	----------	1
2	20.0000	215221.80	120773.02	----------	----------	1
3	30.0000	352871.50	189396.26	----------	----------	1
4	40.0000	461316.00	235650.36	----------	----------	1
5	50.0000	543630.90	269400.10	----------	----------	1

Average Calibration Factor = 12009.318282 (%RSD = 14.90)

C20-C23

Component Type : Timed Group
Start Time : 11.209 min End Time : 12.826 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	239776.61	124095.51	----------	----------	1
2	20.0000	389112.00	212507.34	----------	----------	1
3	30.0000	657391.50	364652.88	----------	----------	1
4	40.0000	887047.50	508553.47	----------	----------	1
5	50.0000	1052064.00	610875.15	----------	----------	1

Average Calibration Factor = 21712.755605 (%RSD = 7.61)

C24-C27

Component Type : Timed Group
Start Time : 12.827 min End Time : 14.240 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	212010.89	119498.53	----------	----------	1
2	20.0000	369377.00	203971.43	----------	----------	1
3	30.0000	656313.50	351026.98	----------	----------	1
4	40.0000	889214.50	472726.38	----------	----------	1
5	50.0000	1058488.00	566065.73	----------	----------	1

Average Calibration Factor = 20989.435728 (%RSD = 7.05)

C28-C31

Component Type : Timed Group
Start Time : 14.241 min End Time : 15.397 min
Reference Component:

Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	226569.00	115504.35	----------	----------	1
2	20.0000	379511.00	192383.60	----------	----------	1
3	30.0000	661454.00	338948.30	----------	----------	1
4	40.0000	894571.00	466021.08	----------	----------	1
5	50.0000	1064732.00	567732.02	----------	----------	1

Average Calibration Factor = 21467.966333 (%RSD = 6.91)

C32-C35
Component Type : Timed Group
Start Time : 15.398 min End Time : 16.398 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	227906.79	122057.86	----------	----------	1
2	20.0000	384509.87	224290.30	----------	----------	1
3	30.0000	663450.00	389173.28	----------	----------	1
4	40.0000	891252.50	529120.62	----------	----------	1
5	50.0000	1061257.50	636964.70	----------	----------	1

Average Calibration Factor = 21527.526898 (%RSD = 6.53)

C36-C39
Component Type : Timed Group
Start Time : 16.399 min End Time : 17.580 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	225067.21	101651.75	----------	----------	1
2	20.0000	393223.63	192977.38	----------	----------	1
3	30.0000	656936.00	326906.93	----------	----------	1
4	40.0000	879493.00	440446.22	----------	----------	1
5	50.0000	1051892.50	530395.23	----------	----------	1

Average Calibration Factor = 21418.188935 (%RSD = 5.20)

C40+

Component Type : Timed Group
Start Time : 17.581 min End Time : 21.000 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	103852.50	39580.28	----------	----------	1
2	20.0000	191119.00	74937.86	----------	----------	1
3	30.0000	320957.50	128162.59	----------	----------	1
4	40.0000	428857.00	172389.14	----------	----------	1
5	50.0000	513060.00	205176.18	----------	----------	1

Average Calibration Factor = 10324.481667 (%RSD = 4.58)

Software Version: 4.1<2F12>
Date: 10/4/00 09:57 AM
Sample Name : #TEPH00-165 RT MARKER
Data File : C:\TC4\DATA_01\003_019.RAW Date: 10/3/00 09:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 19 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 1
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	10.00000	98942.000000	9894.200000	------	1	------	------	1	0
C10-C11	5.771	10.00000	104746.000000	10474.600000	------	1	------	------	1	0
C12-C13	7.314	10.00000	110266.000000	11026.600000	------	1	------	------	1	0
C14-C15	8.586	10.00000	150365.500000	15036.550000	------	1	------	------	1	0
C16-C17	9.691	10.00000	112854.500000	11285.450000	------	1	------	------	1	0
C18-C19	10.720	10.00000	151176.000000	15117.600000	------	1	------	------	1	0
C[illegible]-C23	12.018	10.00000	239776.605263	23977.660526	------	1	------	------	1	0
[illegible]-C27	13.534	10.00000	212010.894737	21201.089474	------	1	------	------	1	0
C28-C31	14.819	10.00000	226569.000000	22656.900000	------	1	------	------	1	0
C32-C35	15.898	10.00000	227906.785714	22790.678571	------	1	------	------	1	0
C36-C39	16.989	10.00000	225067.214286	22506.721429	------	1	------	------	1	0
C40+	19.290	10.00000	103852.500000	10385.250000	------	1	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12090.393179	----------	----------	--------	9
C16-C17	0.000000	10778.975901	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	29951.450620	----------	----------	--------	9
C32-C35	0.000000	13044.042611	----------	----------	--------	9
[illegible]-C39	0.000000	21418.188935	----------	----------	--------	9
[illegible]+	0.000000	10324.481667	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-165 RT MARKER
Sample Number: 10 PPM
Operator :

Time : 10/4/00 09:57 AM
Study : ICAL10/03/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_019.RAW
Result File : C:\TC4\DATA_01\O03_019.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_019.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

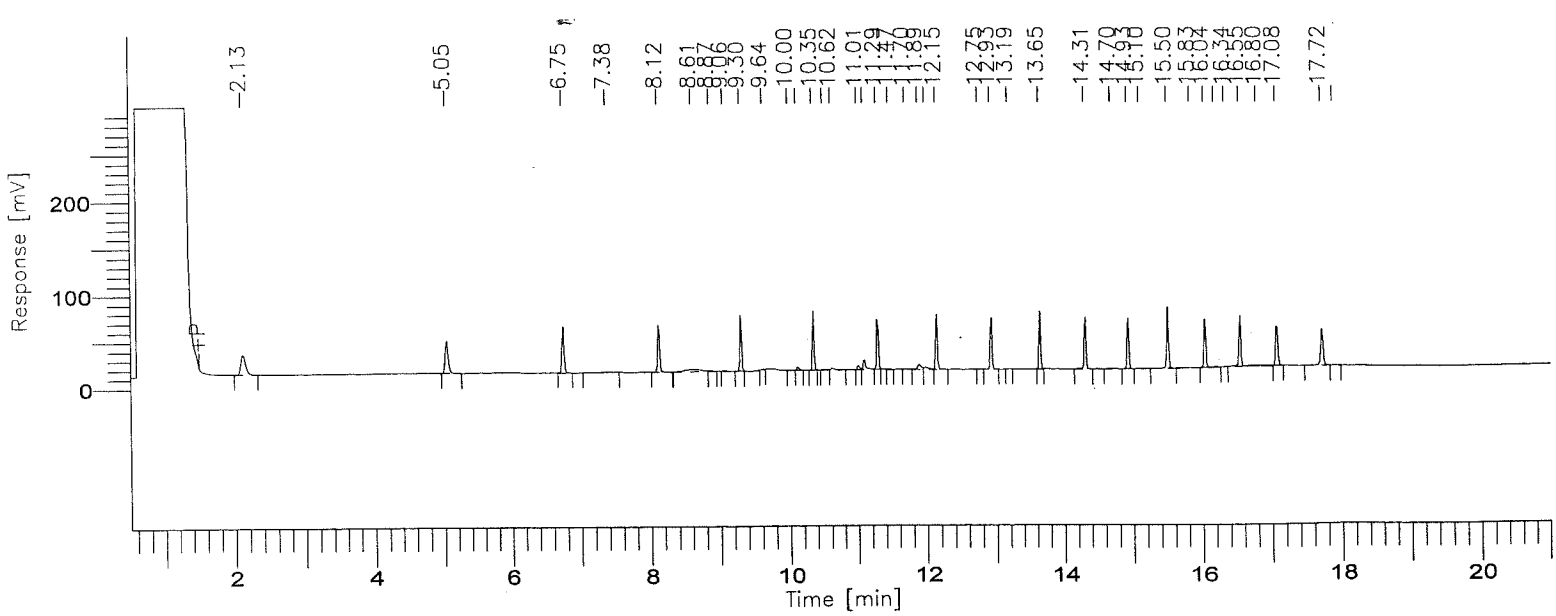
Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 1.0000
User2 :
User4 :

Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 41



001043

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	98942	9.902	------	10.0	
5.77	C10-C11	104746	9.927	------	10.0	
7.31	C12-C13	110266	10.275	------	10.0	
8.59	C14-C15	150365	12.437	------	10.0	
9.69	C16-C17	112854	10.470	------	10.0	
10.72	C18-C19	151176	12.588	------	10.0	
12.02	C20-C23	239777	11.043	------	10.0	
13.53	C24-C27	212011	10.101	------	10.0	
14.82	C28-C31	226569	7.565	------	10.0	
15.90	C32-C35	227907	17.472	------	10.0	
16.99	C36-C39	225067	10.508	------	10.0	
19.29	C40+	103853	10.059	------	10.0	
		1963533	132.348			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.12		98942	0.099	------	10.0	
		98942	0.099			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.05		104746	0.105	------	10.0	
		104746	0.105			

oup Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

6.75		104602	0.105	------	10.0
7.38		5664	0.006	------	10.0
		110266	0.110		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		105551	0.106	------	10.0	
8.61		39568	0.040	------	10.0	
8.87		3185	0.003	------	10.0	
9.06		2062	0.002	------	10.0	
		150365	0.150			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
30		102360	0.102	------	10.0	
.64		1442	0.001	------	10.0	
10.00		1275	0.001	------	10.0	
10.12		7777	0.008	------	10.0	
		112854	0.113			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		102807	0.103	------	10.0	
10.50		2274	0.002	------	10.0	
10.62		6043	0.006	------	10.0	
11.01		11029	0.011	------	10.0	
11.09		29023	0.029	------	10.0	
		151176	0.151			

oup Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		103326	0.103	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.47		887	0.001	------	10.0	
11.70		527	0.001	------	10.0	
11.89		18802	0.019	------	10.0	
11.99		10069	0.010	------	10.0	
12.15		105705	0.106	------	10.0	
12.75		461	0.000	------	10.0	
		239777	0.240			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		105200	0.105	------	10.0	
13.18		1114	0.001	------	10.0	
13.65		105697	0.106	------	10.0	
		212011	0.212			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		110966	0.111	------	10.0	
14.70		4854	0.005	------	10.0	
14.93		106548	0.107	------	10.0	
15.10		4201	0.004	------	10.0	
		226569	0.227			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		111715	0.112	------	10.0	
15.83		5262	0.005	------	10.0	
16.04		102405	0.102	------	10.0	
.19		6715	0.007	------	10.0	
16.34		1809	0.002	------	10.0	
		227907	0.228			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		110363	0.110	------	10.0	
16.80		16677	0.017	------	10.0	
17.07		98027	0.098	------	10.0	
		225067	0.225			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		101619	0.102	------	10.0	
17.89		2234	0.002	------	10.0	
		103853	0.104			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_019.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:57 AM
Sample Name : #TEPH00-166 RT MARKER
ta File : C:\TC4\DATA_01\003_020.RAW Date: 10/3/00 09:36 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 20 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

==========

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 2
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

==========

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	20.00000	181282.000000	9064.100000	0.00	2	------	------	1	0
C10-C11	5.771	20.00000	191191.384615	9559.569231	0.00	2	------	------	1	0
C12-C13	7.314	20.00000	193761.267559	9688.063378	0.00	2	------	------	1	0
C14-C15	8.586	20.00000	218824.347826	10941.217391	0.00	2	------	------	1	0
C16-C17	9.691	20.00000	190749.200000	9537.460000	0.00	2	------	------	1	0
C18-C19	10.720	20.00000	215221.800000	10761.090000	0.00	2	------	------	1	0
-C23	12.018	20.00000	389112.000000	19455.600000	0.00	2	------	------	1	0
-C27	13.534	20.00000	369377.000000	18468.850000	0.00	2	------	------	1	0
C28-C31	14.819	20.00000	379511.000000	18975.550000	0.00	2	------	------	1	0
C32-C35	15.898	20.00000	384509.868421	19225.493421	0.00	2	------	------	1	0
C36-C39	16.989	20.00000	393223.631579	19661.181579	0.00	2	------	------	1	0
C40+	19.290	20.00000	191119.000000	9555.950000	0.00	2	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:

0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12090.393179	----------	----------	--------	9
C16-C17	0.000000	10778.975901	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	28051.585620	----------	----------	--------	9
C32-C35	0.000000	14943.907611	----------	----------	--------	9
-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	9

Calibration Status Explanations:

1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

BOE-C6-0158598

Software Version: 4.1<2F12>
Sample Name : #TEPH00-166 RT MARKER
Sample Number: 20 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_020.RAW
Result File : C:\TC4\DATA_01\O03_020.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_020.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

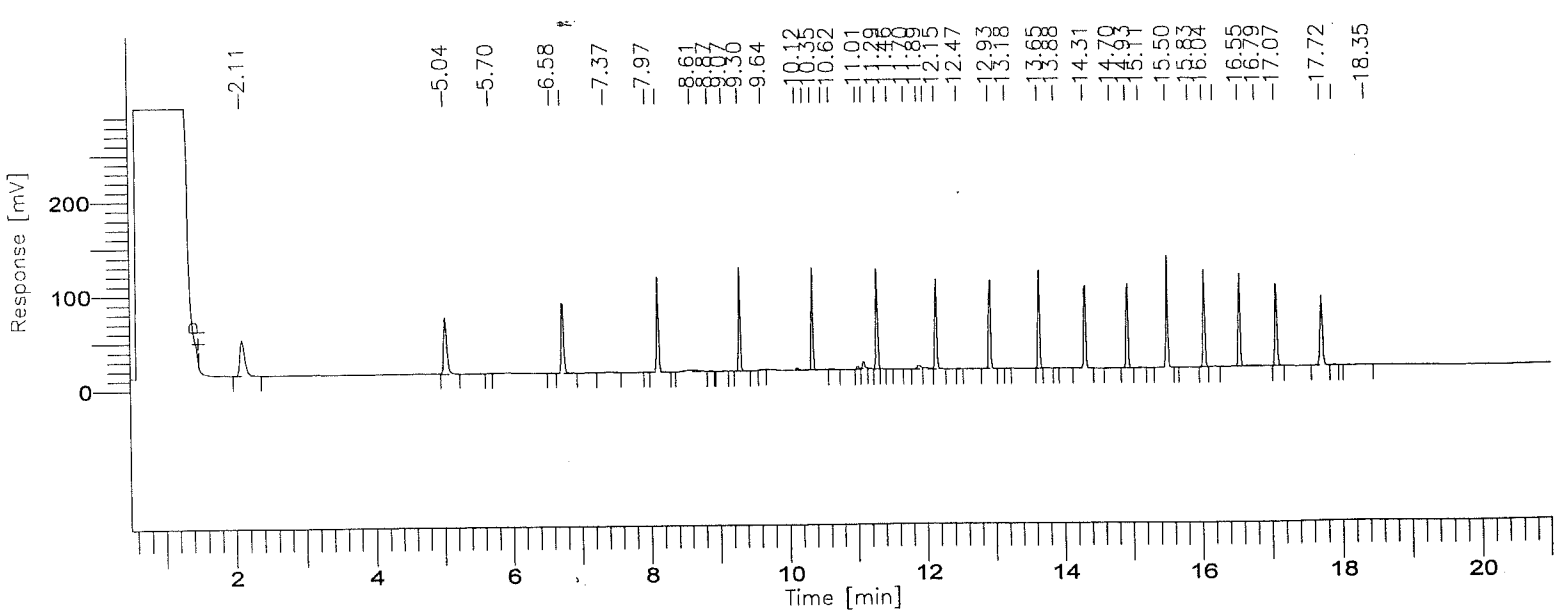
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 45



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	181282	18.143	------	10.0	
5.77	C10-C11	191191	18.120	------	10.0	
7.31	C12-C13	193761	18.056	------	10.0	
8.59	C14-C15	218824	18.099	------	10.0	
9.69	C16-C17	190749	17.696	------	10.0	
10.72	C18-C19	215222	17.921	------	10.0	
12.02	C20-C23	389112	17.921	------	10.0	
13.53	C24-C27	369377	17.599	------	10.0	
14.82	C28-C31	379511	13.529	------	10.0	
15.90	C32-C35	384510	25.730	------	10.0	
16.99	C36-C39	393224	18.359	------	10.0	
19.29	C40+	191119	18.511	------	10.0	
		3297882	219.685			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.11		181282	0.181	------	10.0	
		181282	0.181			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.04		189332	0.189	------	10.0	
5.70		203	0.000	------	10.0	
6.58		1656	0.002	------	10.0	
		191191	0.191			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
.74		187743	0.188	------	10.0
.37		4956	0.005	------	10.0
7.97		1063	0.001	------	10.0
		193761	0.194		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		185237	0.185	------	10.0	
8.61		30042	0.030	------	10.0	
8.87		2322	0.002	------	10.0	
9.07		1223	0.001	------	10.0	
		218824	0.219			

Group Report For : C16-C17

[min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		181367	0.181	------	10.0	
9.64		2049	0.002	------	10.0	
10.12		6429	0.006	------	10.0	
10.23		904	0.001	------	10.0	
		190749	0.191			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		181663	0.182	------	10.0	
10.51		4127	0.004	------	10.0	
10.62		4432	0.004	------	10.0	
11.01		7349	0.007	------	10.0	
11.09		17651	0.018	------	10.0	
		215222	0.215			

Group Report For : C20-C23

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
29		181508	0.182	------	10.0
11.46		560	0.001	------	10.0
11.70		563	0.001	------	10.0
11.89		14696	0.015	------	10.0
11.98		8022	0.008	------	10.0
12.15		183309	0.183	------	10.0
12.47		454	0.000	------	10.0
		389112	0.389		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		183241	0.183	------	10.0	
13.17		829	0.001	------	10.0	
13.65		184925	0.185	------	10.0	
13.88		382	0.000	------	10.0	
		369377	0.369			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		188779	0.189	------	10.0	
14.70		3774	0.004	------	10.0	
14.93		184718	0.185	------	10.0	
15.11		2240	0.002	------	10.0	
		379511	0.380			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		189986	0.190	------	10.0	
15.83		3581	0.004	------	10.0	
.04		186422	0.186	------	10.0	
16.19		4521	0.005	------	10.0	
		384510	0.385			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		194622	0.195	------	10.0	
16.79		8207	0.008	------	10.0	
17.07		190395	0.190	------	10.0	
		393224	0.393			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		183916	0.184	------	10.0	
17.89		2692	0.003	------	10.0	
18.35		4511	0.005	------	10.0	
		191119	0.191			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_020.TXO

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00 167 RT MARKER
[a File : C:\TC4\DATA_01\003_021.RAW Date: 10/3/00 10:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 21 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 3
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	30.00000	314824.000000	10494.133333	0.00	3	------	------	1	0
C10-C11	5.771	30.00000	331740.000000	11058.000000	0.00	3	------	------	1	0
C12-C13	7.314	30.00000	333534.972222	11117.832407	0.00	3	------	------	1	0
C14-C15	8.586	30.00000	355440.229270	11848.007642	0.00	3	------	------	1	0
C16-C17	9.691	30.00000	330558.298507	11018.609950	0.00	3	------	------	1	0
C18-C19	10.720	30.00000	352871.500000	11762.383333	0.00	3	------	------	1	0
C[illegible]23	12.018	30.00000	657391.500000	21913.050000	0.00	3	------	------	1	0
C[illegible]27	13.533	30.00000	656313.500000	21877.116667	0.00	3	------	------	1	0
C28-C31	14.819	30.00000	661454.000000	22048.466667	0.00	3	------	------	1	0
C32-C35	15.898	30.00000	663450.000000	22115.000000	0.00	3	------	------	1	0
C36-C39	16.989	30.00000	656936.000000	21897.866667	0.00	3	------	------	1	0
C40+	19.290	30.00000	320957.500000	10698.583333	0.00	3	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12075.197309	----------	----------	--------	9
C16-C17	0.000000	10794.171772	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	25839.788143	----------	----------	--------	9
C[illegible]-C35	0.000000	17155.705089	----------	----------	--------	9
C39	0.000000	21418.188935	----------	----------	--------	9
C[illegible]+	0.000000	10324.481667	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00 167 RT MARKER
Sample Number: 30 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 10:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_021.RAW
Result File : C:\TC4\DATA_01\O03_021.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_021.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

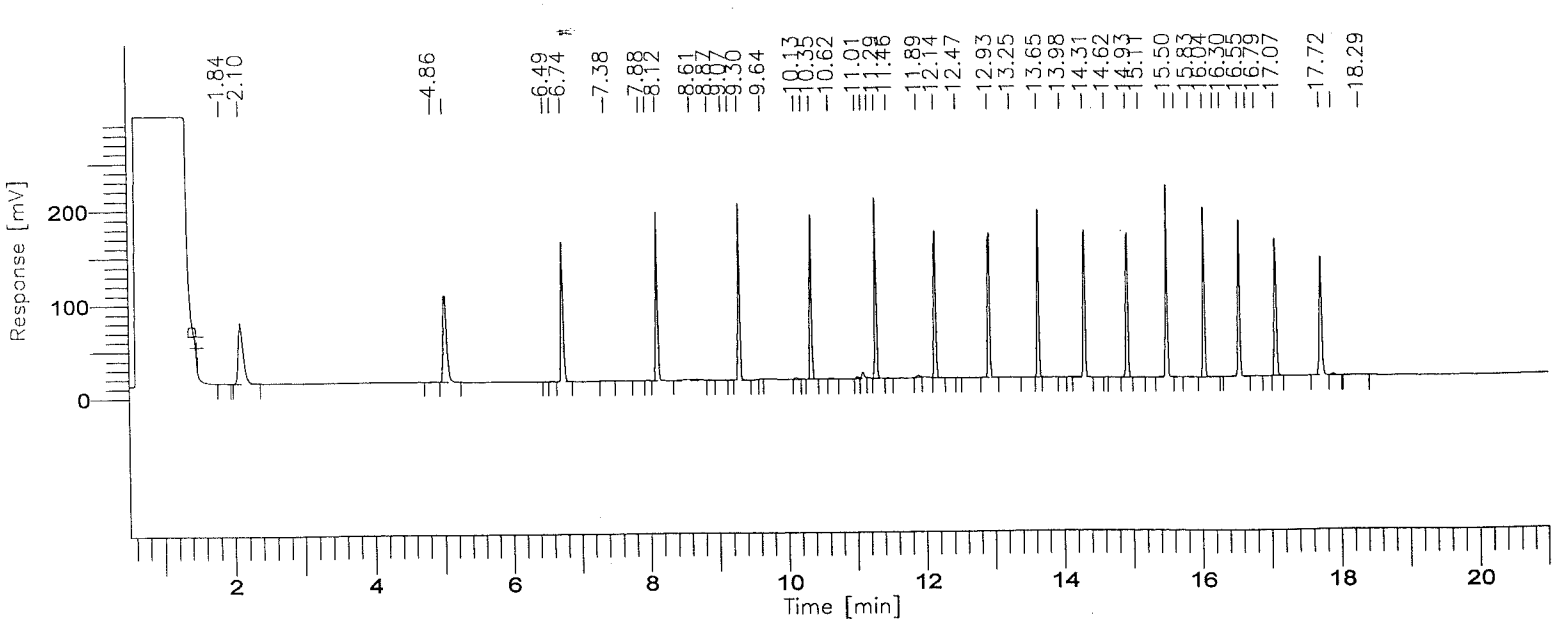
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 50



001057

BOE-C6-0158606

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	314824	31.508	------	10.0	
5.77	C10-C11	331740	31.440	------	10.0	
7.31	C12-C13	333535	31.081	------	10.0	
8.59	C14-C15	355440	29.436	------	10.0	
9.69	C16-C17	330558	30.624	------	10.0	
10.72	C18-C19	352872	29.383	------	10.0	
12.02	C20-C23	657392	30.277	------	10.0	
13.53	C24-C27	656314	31.270	------	10.0	
14.82	C28-C31	661454	25.598	------	10.0	
15.90	C32-C35	663450	38.672	------	10.0	
16.99	C36-C39	656936	30.672	------	10.0	
19.29	C40+	320958	31.087	------	10.0	
		5635472	371.048			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.10		313084	0.313	------	10.0	
4.86		1739	0.002	------	10.0	
		314824	0.315			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		329192	0.329	------	10.0	
6.49		482	0.000	------	10.0	
6.59		2066	0.002	------	10.0	
		331740	0.332			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.74		325176	0.325	------	10.0	
7.38		3985	0.004	------	10.0	
7.88		1679	0.002	------	10.0	
7.98		2695	0.003	------	10.0	
		333535	0.334			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		324219	0.324	------	10.0	
8.61		25299	0.025	------	10.0	
8.87		2631	0.003	------	10.0	
9.07		3291	0.003	------	10.0	
		355440	0.355			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		2279	0.002	------	10.0	
9.30		321720	0.322	------	10.0	
9.64		764	0.001	------	10.0	
10.12		4887	0.005	------	10.0	
10.23		908	0.001	------	10.0	
		330558	0.331			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		320989	0.321	------	10.0	
10.62		2448	0.002	------	10.0	
11.01		6906	0.007	------	10.0	
.09		18434	0.018	------	10.0	
11.18		4094	0.004	------	10.0	
		352872	0.353			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		325676	0.326	------	10.0	
11.46		794	0.001	------	10.0	
11.89		7650	0.008	------	10.0	
12.14		322896	0.323	------	10.0	
12.47		376	0.000	------	10.0	
		657392	0.657			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		324592	0.325	------	10.0	
13.25		2602	0.003	------	10.0	
13.65		328711	0.329	------	10.0	
13.98		408	0.000	------	10.0	
		656314	0.656			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		331806	0.332	------	10.0	
14.62		489	0.000	------	10.0	
14.93		327474	0.327	------	10.0	
15.11		1685	0.002	------	10.0	
		661454	0.661			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		331770	0.332	------	10.0	
.63		1261	0.001	------	10.0	
15.83		3038	0.003	------	10.0	
16.04		323007	0.323	------	10.0	
16.19		4087	0.004	------	10.0	
16.30		288	0.000	------	10.0	

	663450	0.663

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		326978	0.327	------	10.0	
16.66		3004	0.003	------	10.0	
16.79		3928	0.004	------	10.0	
17.07		323026	0.323	------	10.0	
		656936	0.657			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		312418	0.312	------	10.0	
17.89		5701	0.006	------	10.0	
18.29		2838	0.003	------	10.0	
		320958	0.321			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_021.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-168 RT MARKER
a File : C:\TC4\DATA_01\O03_022.RAW Date: 10/3/00 10:36 PM
Sequence File: C:\TC4\DATA_01\O03.SEQ Cycle: 22 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 4
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	40.00000	420877.000000	10521.925000	0.00	4	------	------	1	0
C10-C11	5.771	40.00000	443619.700000	11090.492500	0.00	4	------	------	1	0
C12-C13	7.314	40.00000	448041.994444	11201.049861	0.00	4	------	------	1	0
C14-C15	8.586	40.00000	462324.601010	11558.115025	0.00	4	------	------	1	0
C16-C17	9.691	40.00000	459089.704545	11477.242614	0.00	4	------	------	1	0
C18-C19	10.720	40.00000	461316.000000	11532.900000	0.00	4	------	------	1	0
C23	12.018	40.00000	887047.500000	22176.187500	0.00	4	------	------	1	0
C27	13.534	40.00000	889214.500000	22230.362500	0.00	4	------	------	1	0
C28-C31	14.819	40.00000	894571.000000	22364.275000	0.00	4	------	------	1	0
C32-C35	15.898	40.00000	891252.500000	22281.312500	0.00	4	------	------	1	0
C36-C39	16.989	40.00000	879493.000000	21987.325000	0.00	4	------	------	1	0
C40+	19.290	40.00000	428857.000000	10721.425000	0.00	4	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12059.643407	----------	----------	--------	9
C16-C17	0.000000	10809.725674	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.735728	----------	----------	--------	9
C28-C31	0.000000	23599.853857	----------	----------	--------	9
C32-C35	0.000000	19395.639375	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-168 RT MARKER
Sample Number: 40 PPM
(rator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 10:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_022.RAW
Result File : C:\TC4\DATA_01\O03_022.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_022.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

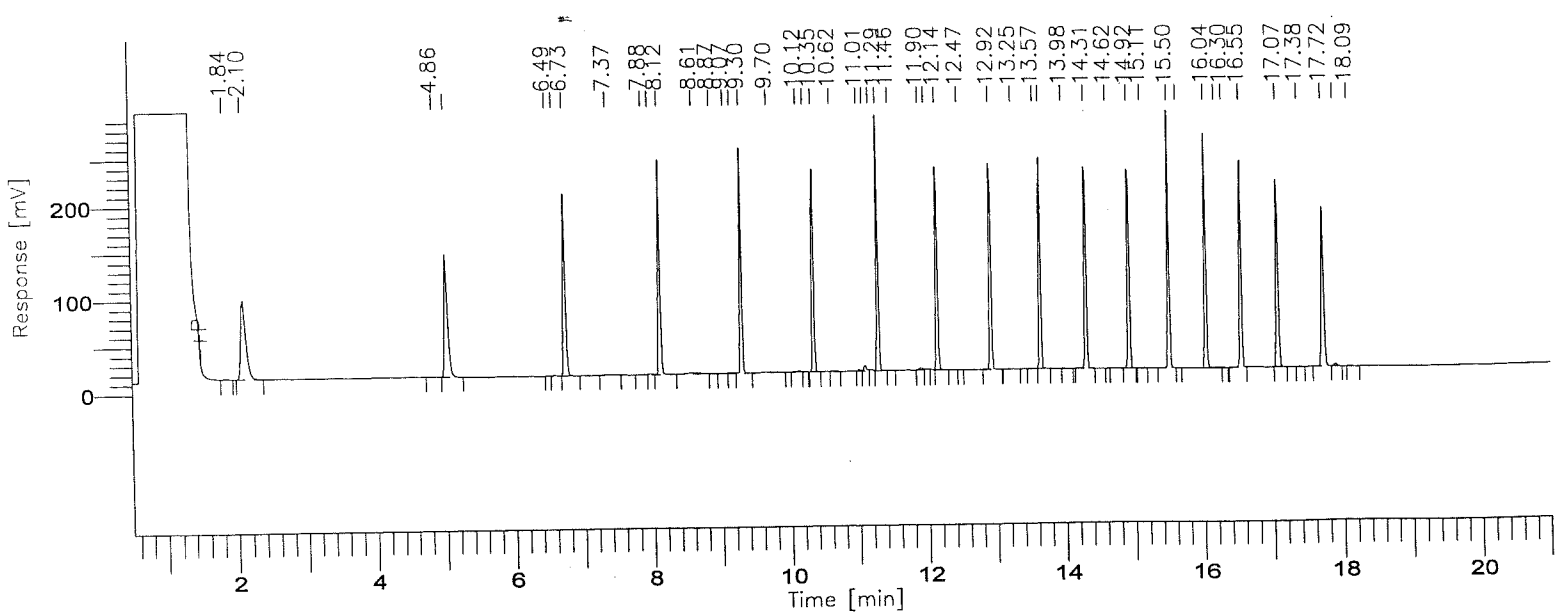
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 200
Bunch Factor: 1
l tiplier : 1.0000
Divisor : 1.0000
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 50



001064

BOE-C6-0158613

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	420877	42.122	------	10.0	
5.77	C10-C11	443620	42.044	------	10.0	
7.31	C12-C13	448042	41.752	------	10.0	
8.59	C14-C15	462325	38.337	------	10.0	
9.69	C16-C17	459090	42.470	------	10.0	
10.72	C18-C19	461316	38.413	------	10.0	
12.02	C20-C23	887048	40.854	------	10.0	
13.53	C24-C27	889214	42.366	------	10.0	
14.82	C28-C31	894571	37.906	------	10.0	
15.90	C32-C35	891252	45.951	------	10.0	
16.99	C36-C39	879493	41.063	------	10.0	
19.29	C40+	428857	41.538	------	10.0	
		7565704	494.815			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.10		418860	0.419	------	10.0	
4.86		2017	0.002	------	10.0	
		420877	0.421			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		440068	0.440	------	10.0	
6.49		707	0.001	------	10.0	
6.58		2844	0.003	------	10.0	
		443620	0.444			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.73		437357	0.437	------	10.0	
7.36		5762	0.006	------	10.0	
7.88		1587	0.002	------	10.0	
7.98		3337	0.003	------	10.0	
		448042	0.448			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		437078	0.437	------	10.0	
8.61		21126	0.021	------	10.0	
8.87		1874	0.002	------	10.0	
9.07		2247	0.002	------	10.0	
		462325	0.462			

oup Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		3111	0.003	------	10.0	
9.30		435391	0.435	------	10.0	
9.70		15080	0.015	------	10.0	
10.12		4100	0.004	------	10.0	
10.23		1407	0.001	------	10.0	
		459090	0.459			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		435502	0.436	------	10.0	
10.62		2113	0.002	------	10.0	
11.01		5452	0.005	------	10.0	
.09		14885	0.015	------	10.0	
11.18		3364	0.003	------	10.0	
		461316	0.461			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		438426	0.438	------	10.0	
11.46		468	0.000	------	10.0	
11.89		8168	0.008	------	10.0	
11.98		1970	0.002	------	10.0	
12.14		437617	0.438	------	10.0	
12.47		398	0.000	------	10.0	
		887048	0.887			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		439448	0.439	------	10.0	
13.25		1986	0.002	------	10.0	
13.57		566	0.001	------	10.0	
13.64		446632	0.447	------	10.0	
98		583	0.001	------	10.0	
		889214	0.889			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		448145	0.448	------	10.0	
14.62		795	0.001	------	10.0	
14.92		444362	0.444	------	10.0	
15.11		1268	0.001	------	10.0	
		894571	0.895			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		447987	0.448	------	10.0	
15.63		974	0.001	------	10.0	
16.04		438327	0.438	------	10.0	
16.19		3504	0.004	------	10.0	
16.30		460	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		891252	0.891			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		439556	0.440	------	10.0	
17.07		439353	0.439	------	10.0	
17.38		584	0.001	------	10.0	
		879493	0.879			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
72		421515	0.422	------	10.0	
17.89		6803	0.007	------	10.0	
18.09		538	0.001	------	10.0	
		428857	0.429			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_022.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-169 RT MARKER
Data File : C:\TC4\DATA_01\003_023.RAW Date: 10/3/00 11:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 23 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 5
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	50.00000	499248.000000	9984.960000	0.00	5	------	------	1	0
C10-C11	5.771	50.00000	528720.500000	10574.410000	0.00	5	------	------	1	0
C12-C13	7.314	50.00000	531098.957143	10621.979143	0.00	5	------	------	1	0
C14-C15	8.586	50.00000	542272.356290	10845.447126	0.00	5	------	------	1	0
C16-C17	9.691	50.00000	539937.282721	10798.745654	0.00	5	------	------	1	0
C18-C19	10.720	50.00000	543630.903846	10872.618077	0.00	5	------	------	1	0
C[illegible]23	12.018	50.00000	1052064.000000	21041.280000	0.00	5	------	------	1	0
C[illegible]27	13.534	50.00000	1058488.000000	21169.760000	0.00	5	------	------	1	0
C28-C31	14.819	50.00000	1064732.000000	21294.640000	0.00	5	------	------	1	0
C32-C35	15.898	50.00000	1061257.500000	21225.150000	0.00	5	------	------	1	0
C36-C39	16.989	50.00000	1051892.500000	21037.850000	0.00	5	------	------	1	0
C40+	19.290	50.00000	513060.000000	10261.200000	0.00	5	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12045.867437	----------	----------	--------	9
C16-C17	0.000000	10823.501644	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20989.435728	----------	----------	--------	9
C28-C31	0.000000	21467.966333	----------	----------	--------	9
C[illegible]-C35	0.000000	21527.526898	----------	----------	--------	9
[illegible]39	0.000000	21418.188935	----------	----------	--------	9
C[illegible]	0.000000	10324.481667	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-169 RT MARKER
Sample Number: 50 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 11:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_023.RAW
Result File : C:\TC4\DATA_01\O03_023.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_023.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

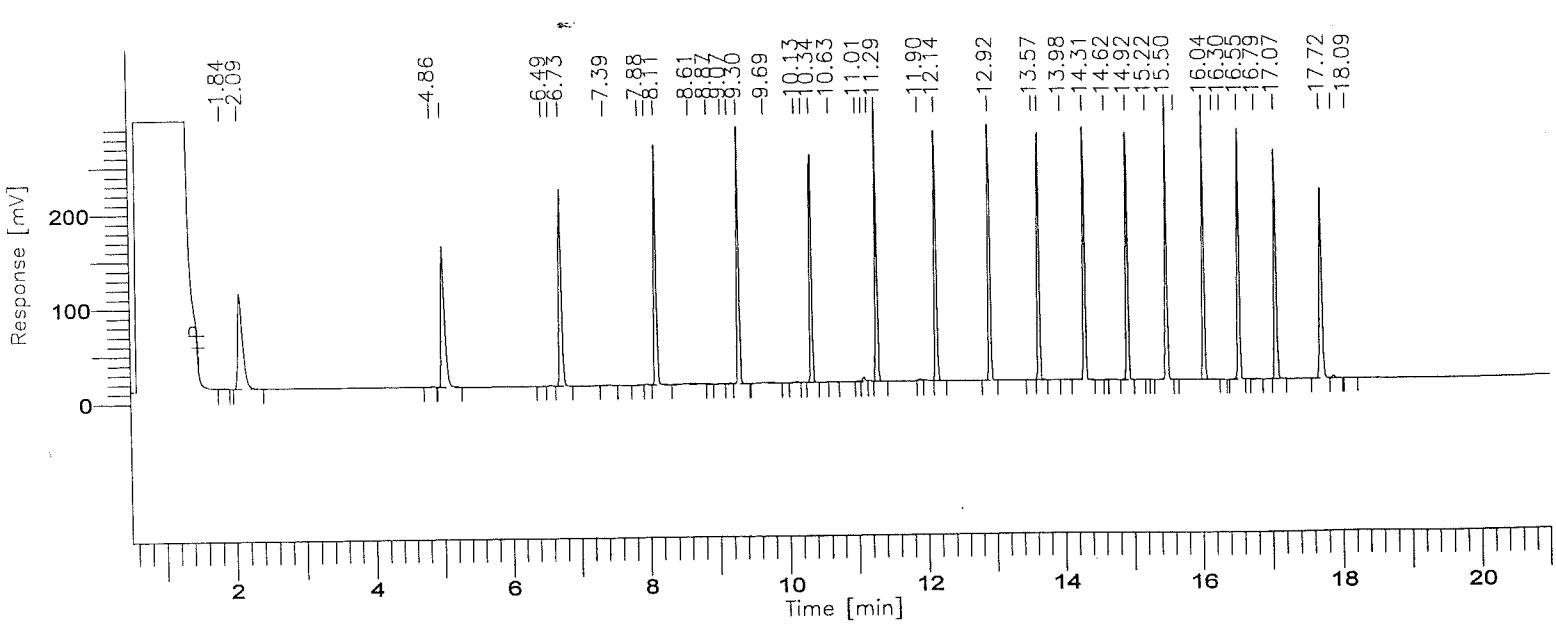
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 46



001071

BOE-C6-0158620

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	499248	49.965	------	10.0	
5.77	C10-C11	528720	50.109	------	10.0	
7.31	C12-C13	531099	49.492	------	10.0	
8.59	C14-C15	542272	45.017	------	10.0	
9.69	C16-C17	539937	49.886	------	10.0	
10.72	C18-C19	543631	45.267	------	10.0	
12.02	C20-C23	1052064	48.454	------	10.0	
13.53	C24-C27	1058488	50.430	------	10.0	
14.82	C28-C31	1064732	49.596	------	10.0	
15.90	C32-C35	1061258	49.298	------	10.0	
16.99	C36-C39	1051892	49.112	------	10.0	
19.29	C40+	513060	49.694	------	10.0	
		8986402	586.319			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.09		496715	0.497	------	10.0	
4.86		2533	0.003	------	10.0	
		499248	0.499			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.01		524854	0.525	------	10.0	
6.49		729	0.001	------	10.0	
6.58		3137	0.003	------	10.0	
		528720	0.529			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.73		520601	0.521	------	10.0	
7.39		4534	0.005	------	10.0	
7.88		1982	0.002	------	10.0	
7.98		3982	0.004	------	10.0	
		531099	0.531			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		519686	0.520	------	10.0	
8.61		18294	0.018	------	10.0	
8.87		1686	0.002	------	10.0	
9.07		2607	0.003	------	10.0	
		542272	0.542			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		3444	0.003	------	10.0	
9.30		518036	0.518	------	10.0	
9.69		13324	0.013	------	10.0	
10.13		3479	0.003	------	10.0	
10.23		1654	0.002	------	10.0	
		539937	0.540			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		519209	0.519	------	10.0	
10.62		1826	0.002	------	10.0	
11.01		4763	0.005	------	10.0	
[illegible].09		13471	0.013	------	10.0	
11.18		4362	0.004	------	10.0	
		543631	0.544			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		523896	0.524	------	10.0	
11.90		5156	0.005	------	10.0	
12.14		523012	0.523	------	10.0	
		1052064	1.052			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		524343	0.524	------	10.0	
13.57		526	0.001	------	10.0	
13.64		533030	0.533	------	10.0	
13.98		589	0.001	------	10.0	
		1058488	1.058			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		533853	0.534	------	10.0	
14.62		815	0.001	------	10.0	
14.92		529515	0.530	------	10.0	
15.22		549	0.001	------	10.0	
		1064732	1.065			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		532972	0.533	------	10.0	
15.63		1162	0.001	------	10.0	
16.04		522881	0.523	------	10.0	
[illegible].18		3624	0.004	------	10.0	
16.29		619	0.001	------	10.0	
		1061258	1.061			

Group Report For : C36-C39

T e [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		524789	0.525	------	10.0	
16.79		1898	0.002	------	10.0	
17.07		525206	0.525	------	10.0	
		1051892	1.052			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.71		504088	0.504	------	10.0	
17.89		8232	0.008	------	10.0	
18.09		740	0.001	------	10.0	
		513060	0.513			

M sing Component Report

Component Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_023.TX0

Group Report For : C36-C39

T e [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		524789	0.525	------	10.0	
16.79		1898	0.002	------	10.0	
17.07		525206	0.525	------	10.0	
		1051892	1.052			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.71		504088	0.504	------	10.0	
17.89		8232	0.008	------	10.0	
18.09		740	0.001	------	10.0	
		513060	0.513			

N sing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_023.TX0

Group Report For : C36-C39

T e [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		524789	0.525	------	10.0	
16.79		1898	0.002	------	10.0	
17.07		525206	0.525	------	10.0	
		1051892	1.052			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.71		504088	0.504	------	10.0	
17.89		8232	0.008	------	10.0	
18.09		740	0.001	------	10.0	
		513060	0.513			

M sing Component Report

Component Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_023.TX0

10-4-00

ICAL 10-3-00

FILES 19-24

C8 1.957 - 4.935

C10 4.936 - 6.607

C12 6.608 - 8.021

C14 8.022 - 9.151

C16 9.152 - 10.231

C18 10.232 - 11.208

C20 11.209 - 12.826

C24 12.827 - 14.240

C28 14.241 - 15.397

C32 15.398 - 16.398

C36 16.399 - 17.580

C40 17.581 - 31.0

BOE-C6-0158627

Software Version: 4.1<2F12>
Sample Name : DAILY RT MARKER Time : 10/4/00 10:12 AM
Sample Number: C8-C40 Study : ICAL10/03/00
(rator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 08:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

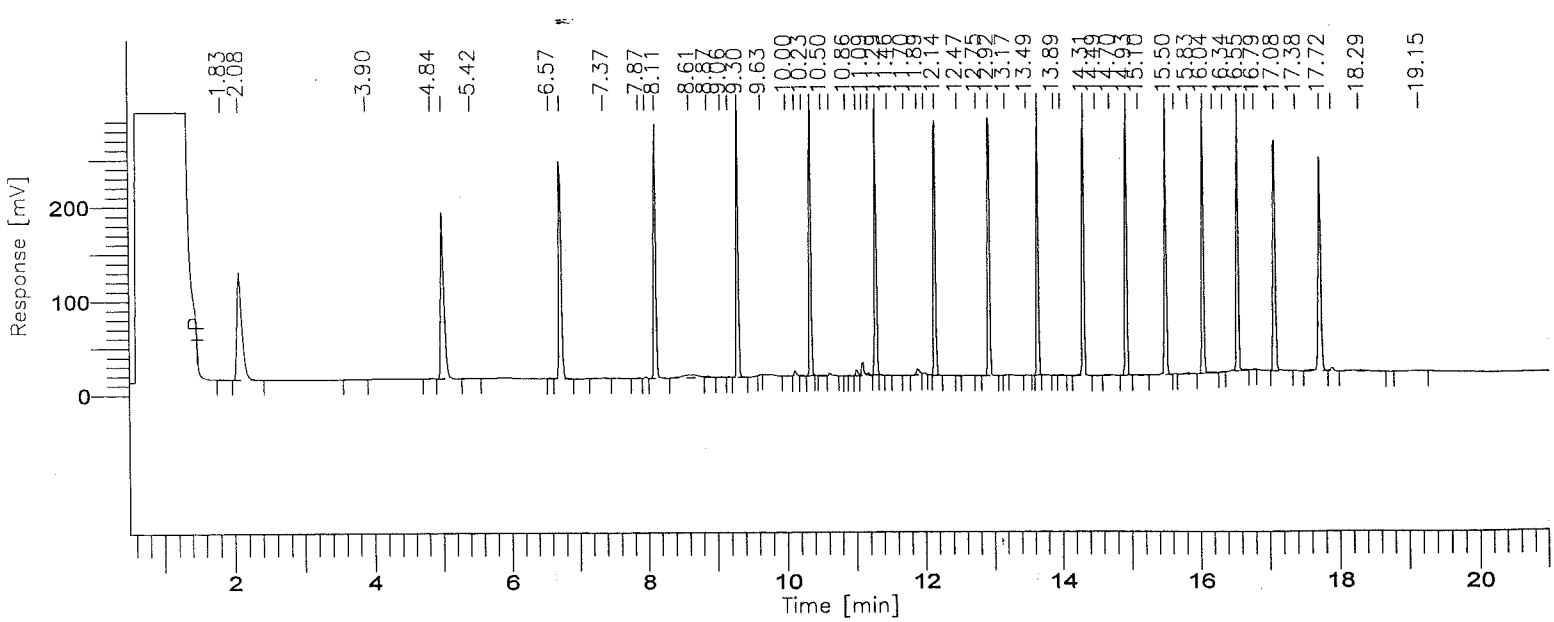
Raw Data File : C:\TC4\DATA_01\O03_018A.RAW
Result File : C:\TC4\DATA_01\O03_018A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_018A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
: tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 62



001077

BOE-C6-0158628

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	559484	55.994	------	10.0	
5.77	C10-C11	590150	55.931	------	10.0	
7.31	C12-C13	587180	54.718	------	10.0	
8.59	C14-C15	642226	53.315	------	10.0	
9.69	C16-C17	592742	54.764	------	10.0	
10.72	C18-C19	639711	53.268	------	10.0	
12.02	C20-C23	1187222	54.679	------	10.0	
13.53	C24-C27	1175387	55.999	------	10.0	
14.82	C28-C31	1199112	55.856	------	10.0	
15.90	C32-C35	1206984	56.067	------	10.0	
16.99	C36-C39	1203641	56.197	------	10.0	
19.29	C40+	612808	59.355	------	10.0	
		10196647	666.142			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.08		555150	0.555	------	10.0	
3.90		1043	0.001	------	10.0	
4.84		3291	0.003	------	10.0	
		559484	0.559			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.00		584142	0.584	------	10.0	
5.42		3072	0.003	------	10.0	
.57		2937	0.003	------	10.0	
		590150	0.590			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.72		579151	0.579	------	10.0	
7.37		3190	0.003	------	10.0	
7.87		1640	0.002	------	10.0	
7.97		3200	0.003	------	10.0	
		587180	0.587			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		576075	0.576	------	10.0	
8.61		54435	0.054	------	10.0	
8.87		7224	0.007	------	10.0	
9.06		4491	0.004	------	10.0	
		642226	0.642			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		2111	0.002	------	10.0	
9.30		572313	0.572	------	10.0	
9.63		1998	0.002	------	10.0	
10.00		2315	0.002	------	10.0	
10.12		12192	0.012	------	10.0	
10.23		1814	0.002	------	10.0	
		592742	0.593			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		572752	0.573	------	10.0	
10.50		2561	0.003	------	10.0	
[illegible].62		6077	0.006	------	10.0	
10.85		327	0.000	------	10.0	
11.01		15811	0.016	------	10.0	
11.09		35479	0.035	------	10.0	
11.18		6704	0.007	------	10.0	

639711	0.640	

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		576589	0.577	------	10.0	
11.46		1072	0.001	------	10.0	
11.70		696	0.001	------	10.0	
11.89		23274	0.023	------	10.0	
11.99		6059	0.006	------	10.0	
12.14		577792	0.578	------	10.0	
12.47		1176	0.001	------	10.0	
12.75		563	0.001	------	10.0	
		1187222	1.187			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		581966	0.582	------	10.0	
13.17		1513	0.002	------	10.0	
13.48		1074	0.001	------	10.0	
13.65		588904	0.589	------	10.0	
13.89		610	0.001	------	10.0	
13.98		1320	0.001	------	10.0	
		1175387	1.175			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		594663	0.595	------	10.0	
14.49		1681	0.002	------	10.0	
14.70		6684	0.007	------	10.0	
14.93		589964	0.590	------	10.0	
15.10		6121	0.006	------	10.0	
		1199112	1.199			

Group Report For : C32-C35

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
50		600034	0.600	------	10.0
15.63		1718	0.002	------	10.0
15.83		8954	0.009	------	10.0
16.04		586586	0.587	------	10.0
16.18		7555	0.008	------	10.0
16.34		2137	0.002	------	10.0
		1206984	1.207		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		597016	0.597	------	10.0	
16.66		6024	0.006	------	10.0	
16.79		3944	0.004	------	10.0	
17.08		595688	0.596	------	10.0	
17.38		970	0.001	------	10.0	
		1203641	1.204			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		576178	0.576	------	10.0	
17.89		10580	0.011	------	10.0	
18.29		18714	0.019	------	10.0	
19.15		7336	0.007	------	10.0	
		612808	0.613			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_018A.TX0

Turbochrom Sequence File : C:\TC4\DATA_01\003.SEQ
Created by : doug on : 10/3/00 07:49 AM
Edited by : EC on : 10/4/00 10:12 AM
ɜcription :

Number of Times Edited : 15

Sequence File Header Information:

Number of Rows : 84
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
6	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
7	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
8	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	MECL2		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	DAILY RT MARKER	C8-C40	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal:Replace	#TEPH00 167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	285-08		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	285-11		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	285-13		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	285-14		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
32	Sample	285-16		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	285-19		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	285-20		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	285-21		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	285-22		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	285-24		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	285-25		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	MECL2	MECL2	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	285-MB		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	285-LCS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	285-27		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	285-27 MS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	285-27 MSD		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	285-28		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	285-34		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	285-35		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	285-36		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample	285-37		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	285-38		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

61	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample	285-42		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	285-43		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	285-44		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	285-45		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	285-47		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
67	Sample	285-48		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	285-49		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	285-50 5x		ICAL8/28/0	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
70	Std Check	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Supporting Raw Data

Metals

Lot # E0J100272

BOE-C6-0158635

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

Mercury
Instrument ID: Leeman PS200 – M03
Leeman PS200 – M04

Analyst: JGA
Analytical Date: 10/13/00
Data File: HG01013B
Corr. Coeff.: 0.9999

Analysis by SOP: 7470 - 245.1 - CORP-MT-0005SA Rev 1.1 ✓
7471 - 245.5 - CORP-MT-0007SA Rev 1.1 ✓

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0285279	EOJ090227	JG 10/14/00		L3
0285280	EOJ090227			
	EOJ100272			L3
	EOJ100264			
0285325	EOJ060276			
	EOJ060360			
	EOJ090226			L3

Calibration Stds:
Preparation: Date 10/12/00 Time 1030
Calibration Stock Standard Concentration 10000 mg/L Lot# Hg-060800 Exp. Date 05/02
Intermediate Standard – 10000ug/L – requires 1000X dilution of Stock Std.
Cal Working Standard - 100ug/L - requires 100X dilution of Intermediate Std.
Std.1 - 0.2 ug/L 500X dilution of Cal Working Standard (0.2mL to 100mL)
Std.2 - 0.5 ug/L 200X dilution of Cal Working Standard (0.5mL to 100mL)
Std.3 - 1.0 ug/L 100X dilution of Cal Working Standard (1.0mL to 100mL)
Std.4 - 5.0 ug/L 20X dilution of Cal Working Standard (5.0mL to 100mL)
Std.5 - 10 ug/L 10X dilution of Cal Working Standard (10.0mL to 100mL)
Calibration Check Stds:
CRA - 0.2 ug/L - 500X dilution of Cal Working Standard (0.2mL to 100mL)
ICV Stock Standard Concentration 1000 mg/mL Lot# Hg-061300 Exp. Date 07/2001
ICV Working Standard - 500 ug/L - two dilutions of ICV Stock -first 100X then a 20X
ICV - 2.5 ug/L - 200X dilution of ICV Working Standard (0.5mL to 100mL)
CCV - 5.0 ug/L - 20X dilution of Cal Working Standard (5.0mL to 100mL)

Notes/Comments:

FURNACE DATA SHEET

File: HG01013B Element: HG__ Instrument: LEEMAN HG_____

Start Run Date: 10/13/00 End Run Date: 10/13/00

1 of 3

Correlation Coefficient: _~~=1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9999 10/14/00 JB

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
1	S0	15:19	1.00		0.0000				
2	S0.2	15:21	1.00		0.2000				
3	S0.5	15:23	1.00		0.5000				
4	S1	15:25	1.00		1.0000				
5	S5	15:27	1.00		5.0000				
6	S10	15:29	1.00		10.0000				
7	ICV	15:33	1.00		2.5600	102			
8	ICB	15:36	1.00		-0.0320			ND	
9	DLX1PB	15:37	1.00		-0.0260			ND	
10	DLX1PC	15:39	1.00		4.9900	100		0.832	
11	DLTCA	15:41	1.00		0.0370	ND			
12	DLTCAS	15:43	1.00		1.0900	109		0.182	
13	DLTCAD	15:44	1.00		1.0600	106		0.177	
14	DLTCE	15:46	1.00		0.1360			0.023	
15	DLTCF	15:48	1.00		0.3360			0.056	
16	DLTCG	15:50	1.00		0.2370			0.040	
17	DLTCH	15:52	1.00		0.4090			0.068	
18	CCV1	15:54	1.00		5.1200	102			
19	CCB1	15:55	1.00		0.0080			ND	
20	DLTCK	15:57	1.00		0.2060			0.034	
21	DLTCL	15:59	1.00		0.2850			0.048	
22	DLTCM	16:01	1.00		0.6130			0.102	
23	DLTCN	16:02	1.00		0.1880			0.031	
24	DLTCP	16:04	1.00		0.3560			0.059	
25	DLTCQ	16:06	1.00		0.0540			ND	
26	DLTCR	16:08	1.00		0.0320			ND	
27	DLTCT	16:10	1.00		0.1450			0.024	
28	DLTCW	16:12	1.00		0.2160			0.036	
29	CCV2	16:14	1.00		5.2400	105			
30	CCB2	16:16	1.00		-0.1150			ND	
31	DLTCX	16:18	1.00		0.2660			0.044	
32	DLTD1	16:20	1.00		0.2740			0.046	
33	DLTD5	16:21	1.00		0.0540			ND	
34	DLTD7	16:23	1.00		0.1090			0.018	
35	DLTD9	16:25	1.00		0.0300			ND	
36	DLTDC	16:27	1.00		0.2390			0.040	
37	DLX1TB	16:29	1.00		-0.0420			ND	
38	DLX1TC	16:30	1.00		4.8000	96		0.800	
39	DLTDE	16:32	1.00		0.0920			ND	
40	DLTDES	16:34	1.00		1.5100	151		0.252	

Analyst: JGA_____ QC Reviewer: _____

FURNACE DATA SHEET

le: HG01013B Element: HG__ Instrument: LEEMAN HG_____

Start Run Date: 10/13/00 End Run Date: 10/13/00

Correlation Coefficient: _-~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9999 10/14/00 JGA

Concentration Units: Ug/L

2 of 3

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
41	CCV3	16:36	1.00		5.0700	101			
42	CCB3	16:38	1.00		0.0490			ND	
43	DLTDED	16:40	1.00		1.1400	114		0.190	
44	DLW5C	16:42	1.00		0.1640			0.027	
45	DLW5M	16:44	1.00		0.0460			ND	
46	DLW5N	16:46	1.00		0.2730			0.044	
47	DLW5R	16:48	1.00		0.0240			ND	
48	DLW60	16:50	1.00		0.0120			ND	
49	DLW63	16:52	1.00		0.1430			0.024	
50	DLW69	16:54	1.00		0.2110			0.035	
51	DLW6C	16:56	1.00		0.0510			ND	
52	CCV4	16:57	1.00		5.1600	103			
53	CCB4	16:59	1.00		-0.0500			ND	
54	DLW6D	17:01	1.00		0.0170			ND	
55	DLW6E	17:03	1.00		0.2310			0.038	
56	DLW6F	17:05	1.00		0.0550			ND	
57	DLW6G	17:07	1.00		0.0930			*	
58	DLW6J	17:09	1.00		0.2020			0.034	
59	DLW6L	17:11	1.00		0.1400			0.023	
60	DLW6M	17:13	1.00		0.0390			ND	
61	DLW6P	17:14	1.00		0.1520			0.025	
62	DLW6V	17:16	1.00		0.4100			0.068	
63	DLW3P	17:18	1.00		0.0350			ND	
64	CCV5	17:20	1.00		5.0700	101			
65	CCB5	17:22	1.00		-0.0450			ND	
66	DLW45	17:25	1.00		0.0070			ND	
67	DLX91B	17:26	1.00		0.0020			*	
68	DLX91C	17:28	1.00		4.0800			Serious	
69	DLP38	17:30	1.00		0.4540			0.076	
70	DLP38S	17:32	1.00		1.2900			0.215	
71	DLP38D	17:34	1.00		1.2200			0.203	
72	DLP4X	17:36	1.00		0.1510			0.025	
73	DLP5E	17:38	1.00		0.2780			0.046	
74	DLP5K	17:40	1.00		0.2070			0.034	
75	CCV6	17:42	1.00		5.0700	101			
76	CCB6	17:44	1.00		0.0190			ND	
77	DLP5N	17:46	1.00		0.3560			0.059	
78	DLP60	17:48	1.00		0.2560			0.043	
79	DLP65	17:50	1.00		0.8780			0.146	
80	DLP69	17:52	1.00		0.1510			0.025	

lyst: JGA_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01013B Element: HG__ Instrument: LEEMAN HG_____

Start Run Date: 10/13/00 End Run Date: 10/13/00

3 of 3

Correlation Coefficient: _~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9999 10/14/00 JJ

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
81	DLP6N	17:54	1.00		0.3140			0.052	
82	DLP75	17:55	1.00		0.3060			0.051	
83	DLQ13	17:57	1.00		-0.0410			ND	
84	DLQ17	17:59	1.00		0.1650			0.028	
85	DLQ1A	18:01	1.00		0.3530			0.059	
86	CCV7	18:03	1.00		5.0300	101			
87	CCB7	18:05	1.00		-0.0430			ND	
88	DLQ1F	18:07	1.00		0.1370			0.023	
89	DLQ1H	18:09	1.00		0.1450			0.024	
90	DLQ1K	18:11	1.00		0.1940			0.032	
91	DLQ1M	18:13	1.00		0.2460			0.041	
92	DLQ1R	18:15	1.00		0.1700			ND	0.028
93	DLTC8	18:17	1.00		0.1520			0.025	
94	CCV7	18:20	1.00		5.0000	100			
95	CCB7	18:22	1.00		-0.0340			ND	
96									
7									
98									
99									
100									

10/14/00 JJ

Analyst: JGA_____ QC Reviewer: _____

15:19:35 13 Oct 2000 Folder: HG01013B Protocol: HG-A Page 1

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 0	15:19:35 13 Oct 2000 HG			
Hg	.000	ppb	967					
*** Standard: 2 Rep: 1				Seq: 1	15:21:25 13 Oct 2000 HG			
Hg	.200	ppb	11087					
*** Standard: 3 Rep: 1				Seq: 2	15:23:14 13 Oct 2000 HG			
Hg	.500	ppb	26221					
*** Standard: 4 Rep: 1				Seq: 3	15:25:02 13 Oct 2000 HG			
Hg	1.00	ppb	56434					
*** Standard: 5 Rep: 1				Seq: 4	15:27:12 13 Oct 2000 HG			
Hg	5.00	ppb	256849					
*** Standard: 6 Rep: 1				Seq: 5	15:29:01 13 Oct 2000 HG			
Hg	10.0	ppb	513246					

RunProt: HG-A | Err: Analyzer needs maintenance | Mode: Analyze

RunFold: HG01013B Seq: 6 Batch: RunPrep: prp7470

Prnt: R/T On Pump: On

Rev: 4.2 15:30:18 13 Oct 2000 Xmit: Off Gas: 0.70 LPM

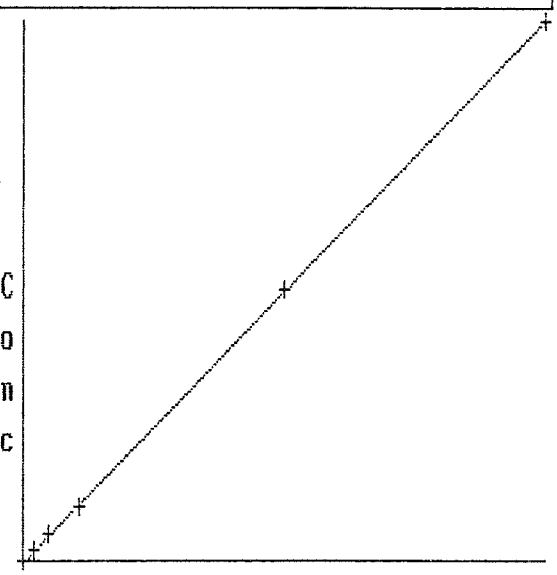
Idle None User: JGA A/S: On

CALIBRATION: Line proto: HG-A

	Hg Conc.	Calc.	Dev.	Accepted ->linear	
S1	.000	-.016	-.016	Quadratic	
S2	.200	.182	-.018	Wtdlinear	
S3	.500	.478	-.022		C
S4	1.00	1.07	.069	Accept	o
S5	5.00	4.99	-.013		n
S6	10.0	10.0	.000		c

A .0000000 r .999963

B 1.95526e-5 C -3.48555e-2



Relative Absorbance

	Mean			
S1	967	0	SD	967
S2	11087	0	%RSD	11087
S3	26221	0	%RSD	26221
S4	56434	0	%RSD	56434
S5	256849	0	%RSD	256849
S6	513246	0	%RSD	513246

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV					Seq: 6	15:33:36 13 Oct 2000 HG		
Hg	2.56	ppb	.000	2.56				
*** Sample ID: ICB					Seq: 7	15:36:00 13 Oct 2000 HG		
Hg	-.032	ppb	.000	-.032				
*** Sample ID: DLX1PB					Seq: 8	15:37:45 13 Oct 2000 HG		
Hg	-.026	ppb	.000	-.026				
*** Sample ID: DLX1PC					Seq: 9	15:39:38 13 Oct 2000 HG		
Hg	4.99	ppb	.000	4.99				
*** Sample ID: DLTCA					Seq: 10	15:41:21 13 Oct 2000 HG		
Hg	.037	ppb	.000	.037				
*** Sample ID: DLTCAS					Seq: 11	15:43:05 13 Oct 2000 HG		
Hg	1.09	ppb	.000	1.09				
*** Sample ID: DLTCAD					Seq: 12	15:44:52 13 Oct 2000 HG		
Hg	1.06	ppb	.000	1.06				
*** Sample ID: DLTCE					Seq: 13	15:46:37 13 Oct 2000 HG		
Hg	.136	ppb	.000	.136				
*** Sample ID: DLTCF					Seq: 14	15:48:25 13 Oct 2000 HG		
Hg	.336	ppb	.000	.336				
*** Sample ID: DLTCG					Seq: 15	15:50:09 13 Oct 2000 HG		
Hg	.237	ppb	.000	.237				
*** Sample ID: DLTCH					Seq: 16	15:52:04 13 Oct 2000 HG		
Hg	.409	ppb	.000	.409				
*** Sample ID: CCV1					Seq: 17	15:54:07 13 Oct 2000 HG		
Hg	5.12	ppb	.000	5.12				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB1					Seq: 18	15:55:50 13 Oct 2000 HG		
Hg	.008	ppb	.000	.008				
*** Sample ID: DLTCK					Seq: 19	15:57:35 13 Oct 2000 HG		
Hg	.206	ppb	.000	.206				
*** Sample ID: DLTCL					Seq: 20	15:59:27 13 Oct 2000 HG		
Hg	.285	ppb	.000	.285				
*** Sample ID: DLTCM					Seq: 21	16:01:15 13 Oct 2000 HG		
Hg	.613	ppb	.000	.613				
*** Sample ID: DLTCN					Seq: 22	16:02:58 13 Oct 2000 HG		
Hg	.188	ppb	.000	.188				
*** Sample ID: DLTCP					Seq: 23	16:04:55 13 Oct 2000 HG		
Hg	.356	ppb	.000	.356				
*** Sample ID: DLTCQ					Seq: 24	16:06:51 13 Oct 2000 HG		
Hg	.054	ppb	.000	.054				
*** Sample ID: DLTCR					Seq: 25	16:08:35 13 Oct 2000 HG		
Hg	.032	ppb	.000	.032				
*** Sample ID: DLTCT					Seq: 26	16:10:21 13 Oct 2000 HG		
Hg	.145	ppb	.000	.145				
*** Sample ID: DLTCW					Seq: 27	16:12:11 13 Oct 2000 HG		
Hg	.216	ppb	.000	.216				
*** Sample ID: CCV2					Seq: 28	16:14:17 13 Oct 2000 HG		
Hg	5.24	ppb	.000	5.24				
*** Sample ID: CCB2					Seq: 29	16:16:11 13 Oct 2000 HG		
Hg	[illegible]	ppb	[illegible]	[illegible]				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLTCX					Seq: 30	16:18:05 13 Oct 2000 HG		
Hg	.266	ppb	.000	.266				
*** Sample ID: DLTD1					Seq: 31	16:20:02 13 Oct 2000 HG		
Hg	.274	ppb	.000	.274				
*** Sample ID: DLTD5					Seq: 32	16:21:47 13 Oct 2000 HG		
Hg	.054	ppb	.000	.054				
*** Sample ID: DLTD7					Seq: 33	16:23:42 13 Oct 2000 HG		
Hg	.109	ppb	.000	.109				
*** Sample ID: DLTD9					Seq: 34	16:25:29 13 Oct 2000 HG		
Hg	.030	ppb	.000	.030				
*** Sample ID: DLTDC					Seq: 35	16:27:15 13 Oct 2000 HG		
Hg	.239	ppb	.000	.239				
*** Sample ID: DLX1TB					Seq: 36	16:29:00 13 Oct 2000 HG		
Hg	-.042	ppb	.000	-.042				
*** Sample ID: DLX1TC					Seq: 37	16:30:49 13 Oct 2000 HG		
Hg	4.80	ppb	.000	4.80				
*** Sample ID: DLTDE					Seq: 38	16:32:56 13 Oct 2000 HG		
Hg	.092	ppb	.000	.092				
*** Sample ID: DLTDES					Seq: 39	16:34:44 13 Oct 2000 HG		
Hg	1.51	ppb	.000	1.51				
*** Sample ID: CCV3					Seq: 40	16:36:43 13 Oct 2000 HG		
Hg	5.07	ppb	.000	5.07				
*** Sample ID: CCB3					Seq: 41	16:38:43 13 Oct 2000 HG		
Hg	.049	ppb	.000	.049				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLTDED					Seq: 42	16:40:28 13 Oct 2000 HG		
Hg	1.14	ppb	.000	1.14				
*** Sample ID: DLW5C					Seq: 43	16:42:15 13 Oct 2000 HG		
Hg	.164	ppb	.000	.164				
*** Sample ID: DLW5M					Seq: 44	16:44:12 13 Oct 2000 HG		
Hg	.046	ppb	.000	.046				
*** Sample ID: DLW5N					Seq: 45	16:46:13 13 Oct 2000 HG		
Hg	.273	ppb	.000	.273				
*** Sample ID: DLW5R					Seq: 46	16:48:00 13 Oct 2000 HG		
Hg	.024	ppb	.000	.024				
*** Sample ID: DLW60					Seq: 47	16:50:16 13 Oct 2000 HG		
Hg	.012	ppb	.000	.012				
*** Sample ID: DLW63					Seq: 48	16:52:13 13 Oct 2000 HG		
Hg	.143	ppb	.000	.143				
*** Sample ID: DLW69					Seq: 49	16:54:14 13 Oct 2000 HG		
Hg	.211	ppb	.000	.211				
*** Sample ID: DLW6C					Seq: 50	16:56:01 13 Oct 2000 HG		
Hg	.051	ppb	.000	.051				
*** Sample ID: CCV4					Seq: 51	16:57:53 13 Oct 2000 HG		
Hg	5.16	ppb	.000	5.16				
*** Sample ID: CCB4					Seq: 52	16:59:40 13 Oct 2000 HG		
Hg	-.050	ppb	.000	-.050				
*** Sample ID: DLW6D					Seq: 53	17:01:37 13 Oct 2000 HG		
Hg	.017	ppb	.000	.017				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLW6E					Seq: 54	17:03:28 13 Oct 2000 HG		
Hg	.231	ppb	.000	.231				
*** Sample ID: DLW6F					Seq: 55	17:05:15 13 Oct 2000 HG		
Hg	.055	ppb	.000	.055				
*** Sample ID: DLW6G					Seq: 56	17:07:12 13 Oct 2000 HG		
Hg	.093	ppb	.000	.093				
*** Sample ID: DLW6J					Seq: 57	17:09:02 13 Oct 2000 HG		
Hg	.202	ppb	.000	.202				
*** Sample ID: DLW6L					Seq: 58	17:11:20 13 Oct 2000 HG		
Hg	.140	ppb	.000	.140				
*** Sample ID: DLW6M					Seq: 59	17:13:10 13 Oct 2000 HG		
Hg	.039	ppb	.000	.039				
*** Sample ID: DLW6P					Seq: 60	17:14:58 13 Oct 2000 HG		
Hg	.152	ppb	.000	.152				
*** Sample ID: DLW6V					Seq: 61	17:16:51 13 Oct 2000 HG		
Hg	.410	ppb	.000	.410				
*** Sample ID: DLW3P					Seq: 62	17:18:46 13 Oct 2000 HG		
Hg	.035	ppb	.000	.035				
*** Sample ID: CCV5					Seq: 63	17:20:35 13 Oct 2000 HG		
Hg	5.07	ppb	.000	5.07				
*** Sample ID: CCB5					Seq: 64	17:22:44 13 Oct 2000 HG		
Hg	-.045	ppb	.000	-.045				
*** Sample ID: DLW45					Seq: 65	17:25:03 13 Oct 2000 HG		
Hg	.007	ppb	.000	.007				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLX91B					Seq: 66	17:26:55 13 Oct 2000 HG		
Hg	.002	ppb	.000	.002				
*** Sample ID: DLX91C					Seq: 67	17:28:44 13 Oct 2000 HG		
Hg	4.08	ppb	.000	4.08				
*** Sample ID: DLP38					Seq: 68	17:30:53 13 Oct 2000 HG		
Hg	.454	ppb	.000	.454				
*** Sample ID: DLP38S					Seq: 69	17:32:42 13 Oct 2000 HG		
Hg	1.29	ppb	.000	1.29				
*** Sample ID: DLP38D					Seq: 70	17:34:31 13 Oct 2000 HG		
Hg	1.22	ppb	.000	1.22				
*** Sample ID: DLP4X					Seq: 71	17:36:22 13 Oct 2000 HG		
Hg	.151	ppb	.000	.151				
*** Sample ID: DLP5E					Seq: 72	17:38:12 13 Oct 2000 HG		
Hg	.278	ppb	.000	.278				
*** Sample ID: DLP5K					Seq: 73	17:40:07 13 Oct 2000 HG		
Hg	.207	ppb	.000	.207				
*** Sample ID: CCV6					Seq: 74	17:42:21 13 Oct 2000 HG		
Hg	5.07	ppb	.000	5.07				
*** Sample ID: CCB6					Seq: 75	17:44:11 13 Oct 2000 HG		
Hg	.019	ppb	.000	.019				
*** Sample ID: DLP5N					Seq: 76	17:46:07 13 Oct 2000 HG		
Hg	.356	ppb	.000	.356				
*** Sample ID: DLP60					Seq: 77	17:48:21 13 Oct 2000 HG		
Hg	.256	ppb	.000	[illegible]				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLX91B					Seq: 66	17:26:55 13 Oct 2000 HG		
Hg	.002	ppb	.000	.002				
*** Sample ID: DLX91C					Seq: 67	17:28:44 13 Oct 2000 HG		
Hg	4.08	ppb	.000	4.08				
*** Sample ID: DLP38					Seq: 68	17:30:53 13 Oct 2000 HG		
Hg	.454	ppb	.000	.454				
*** Sample ID: DLP38S					Seq: 69	17:32:42 13 Oct 2000 HG		
Hg	1.29	ppb	.000	1.29				
*** Sample ID: DLP38D					Seq: 70	17:34:31 13 Oct 2000 HG		
Hg	1.22	ppb	.000	1.22				
*** Sample ID: DLP4X					Seq: 71	17:36:22 13 Oct 2000 HG		
Hg	.151	ppb	.000	.151				
*** Sample ID: DLP5E					Seq: 72	17:38:12 13 Oct 2000 HG		
Hg	.278	ppb	.000	.278				
*** Sample ID: DLP5K					Seq: 73	17:40:07 13 Oct 2000 HG		
Hg	.207	ppb	.000	.207				
*** Sample ID: CCV6					Seq: 74	17:42:21 13 Oct 2000 HG		
Hg	5.07	ppb	.000	5.07				
*** Sample ID: CCB6					Seq: 75	17:44:11 13 Oct 2000 HG		
Hg	.019	ppb	.000	.019				
*** Sample ID: DLP5N					Seq: 76	17:46:07 13 Oct 2000 HG		
Hg	.356	ppb	.000	.356				
*** Sample ID: DLP60					Seq: 77	17:48:21 13 Oct 2000 HG		
Hg	.256	ppb	.000	[illegible]				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLX91B					Seq: 66	17:26:55 13 Oct 2000 HG		
Hg	.002	ppb	.000	.002				
*** Sample ID: DLX91C					Seq: 67	17:28:44 13 Oct 2000 HG		
Hg	4.08	ppb	.000	4.08				
*** Sample ID: DLP38					Seq: 68	17:30:53 13 Oct 2000 HG		
Hg	.454	ppb	.000	.454				
*** Sample ID: DLP38S					Seq: 69	17:32:42 13 Oct 2000 HG		
Hg	1.29	ppb	.000	1.29				
*** Sample ID: DLP38D					Seq: 70	17:34:31 13 Oct 2000 HG		
Hg	1.22	ppb	.000	1.22				
*** Sample ID: DLP4X					Seq: 71	17:36:22 13 Oct 2000 HG		
Hg	.151	ppb	.000	.151				
*** Sample ID: DLP5E					Seq: 72	17:38:12 13 Oct 2000 HG		
Hg	.278	ppb	.000	.278				
*** Sample ID: DLP5K					Seq: 73	17:40:07 13 Oct 2000 HG		
Hg	.207	ppb	.000	.207				
*** Sample ID: CCV6					Seq: 74	17:42:21 13 Oct 2000 HG		
Hg	5.07	ppb	.000	5.07				
*** Sample ID: CCB6					Seq: 75	17:44:11 13 Oct 2000 HG		
Hg	.019	ppb	.000	.019				
*** Sample ID: DLP5N					Seq: 76	17:46:07 13 Oct 2000 HG		
Hg	.356	ppb	.000	.356				
*** Sample ID: DLP60					Seq: 77	17:48:21 13 Oct 2000 HG		
Hg	.256	ppb	.000	[illegible]				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLP65					Seq: 78	17:50:11 13 Oct 2000 HG		
Hg	.878	ppb	.000	.878				
*** Sample ID: DLP69					Seq: 79	17:52:12 13 Oct 2000 HG		
Hg	.151	ppb	.000	.151				
*** Sample ID: DLP6N					Seq: 80	17:54:04 13 Oct 2000 HG		
Hg	.314	ppb	.000	.314				
*** Sample ID: DLP75					Seq: 81	17:55:59 13 Oct 2000 HG		
Hg	.306	ppb	.000	.306				
*** Sample ID: DLQ13					Seq: 82	17:57:50 13 Oct 2000 HG		
Hg	-.041	ppb	.000	-.041				
*** Sample ID: DLQ17					Seq: 83	17:59:45 13 Oct 2000 HG		
Hg	.165	ppb	.000	.165				
*** Sample ID: DLQ1A					Seq: 84	18:01:52 13 Oct 2000 HG		
Hg	.353	ppb	.000	.353				
*** Sample ID: CCV7					Seq: 85	18:03:45 13 Oct 2000 HG		
Hg	5.03	ppb	.000	5.03				
*** Sample ID: CCB7					Seq: 86	18:05:37 13 Oct 2000 HG		
Hg	-.043	ppb	.000	-.043				
*** Sample ID: DLQ1F					Seq: 87	18:07:30 13 Oct 2000 HG		
Hg	.137	ppb	.000	.137				
*** Sample ID: DLQ1H					Seq: 88	18:09:32 13 Oct 2000 HG		
Hg	.145	ppb	.000	.145				
*** Sample ID: DLQ1K					Seq: 89	18:11:37 13 Oct 2000 HG		
Hg	.194	ppb	.000	.194				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLQ1M					Seq: 90	18:13:29 13 Oct 2000 HG		
Hg	.246	ppb	.000	.246				
*** Sample ID: DLQ1R					Seq: 91	18:15:22 13 Oct 2000 HG		
Hg	.170	ppb	.000	.170				
*** Sample ID: DLTC8					Seq: 92	18:17:19 13 Oct 2000 HG		
Hg	.152	ppb	.000	.152				
*** Sample ID: CCV7					Seq: 93	18:20:22 13 Oct 2000 HG		
Hg	5.00	ppb	.000	5.00				
*** Sample ID: CCB7					Seq: 94	18:22:33 13 Oct 2000 HG		
Hg	-.034	ppb	.000	-.034				

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/11/00
Time: 11:27:08

BATCH NUMBER: **0285279**

PREP DATE: 10/11/00
DUE DATE 10/16/00

INITIALS: lcy

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J090227 SOLID	DLTCA TO DUE DATE: 10/16/00	01	_____g	X .60 g	_____g	_____g
	DLTCAS		_____g	.61 g	_____g	_____g
	DLTCAD		_____g	.60 g	_____g	_____g
E0J090227 SOLID	DLTCE TO DUE DATE: 10/16/00	01	_____g	X .60 g	_____g	_____g
E0J090227 SOLID	DLTCF TO DUE DATE: 10/16/00	01	_____g	X .61 g	_____g	_____g
E0J090227 SOLID	DLTCG TO DUE DATE: 10/16/00	01	_____g	X .60 g	_____g	_____g
E0J090227 SOLID	DLTCH TO DUE DATE: 10/16/00	01	_____g	X .59 g	_____g	_____g
E0J090227 SOLID	DLTCK TO DUE DATE: 10/16/00	01	_____g	X .58 g	_____g	_____g
E0J090227 SOLID	DLTCL TO DUE DATE: 10/16/00	01	_____g	X .59 g	_____g	_____g
E0J090227 SOLID	DLTCM TO DUE DATE: 10/16/00	01	_____g	X .60 g	_____g	_____g
E0J090227 SOLID	DLTCN TO DUE DATE: 10/16/00	01	_____g	X .61 g	_____g	_____g
E0J090227 SOLID	DLTCP TO DUE DATE: 10/16/00	01	_____g	X .58 g	_____g	_____g
E0J090227 SOLID	DLTCQ TO DUE DATE: 10/16/00	01	_____g	X .58 g	_____g	_____g
E0J090227 SOLID	DLTCR TO DUE DATE: 10/16/00	01	_____g	X .60 g	_____g	_____g
E0J090227 SOLID	DLTCT TO DUE DATE: 10/16/00	01	_____g	X .61 g	_____g	_____g
E0J090227 SOLID	DLTCW TO DUE DATE: 10/16/00	01	_____g	X .60 g	_____g	_____g

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/11/00
Time: 11:27:08

BATCH NUMBER: **0285279**

PREP DATE: 10/11/00
DUE DATE 10/16/00

INITIALS: 107

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J090227	DLTCX	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD1	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD5	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD7	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD9	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTDC	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J110000	DLX1PB	01	_____g	X .60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLX1PC		_____g	.62 g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: F.V. = 100 ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0285279
The following information applies to all samples associated with the above batch number.

Prepared By: [signature]
Reviewed By: [signature]

Date/Time Initiated: 10/12/00 / 1030
Date/Time Completed: " / 1100

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01
*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5
Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch
To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____
Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:
Relinquished By: [signature] Date: 10/13/00 Received By: [signature] Date: 10/13/00

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08/19/00

BOE-C6-0158654

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/12/00
Time: 19:14:48

BATCH NUMBER: **0285280**

PREP DATE: 10/11/00
DUE DATE 10/16/00

INITIALS: TM/KM

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J090227	DLTDE	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
	DLTDES		_____g	0.60 g	_____g	_____g
	DLTDED		_____g	0.61 g	_____g	_____g
E0J100272	DLW5C	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW5M	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW5N	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW5R	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW60	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW63	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW69	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6C	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6D	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6E	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6F	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6G	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6J	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/12/00
Time: 19:14:48

BATCH NUMBER: **0285280**

PREP DATE: 10/11/00
DUE DATE 10/16/00

INITIALS: TM/KY 10/14/00

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J100272	DLW6L	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6M	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6P	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6V	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100264	DLW3P	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J100264	DLW45	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110000	DLX1TB	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLX1TC		_____g	0.62 g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: F.V. = 100 ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

BOE-C6-0158656

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0285280

The following information applies to all samples associated with the above batch number.

Prepared By: [signature]

Reviewed By: [signature]

Date/Time Initiated: 10/12/00 1000

Date/Time Completed: " 1030

Water Bath # 5 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.

Step 2. Heat for 2 min. at 95 °C ±5 °C.

Step 3. Cool

Step 4. Add 50 mL of DI water and mix.

Step 3. Add 15 mL of $KMnO_4$ and mix.

Step 4. Add 8 mL of $K_2S_2O_8$ and mix

Step 5. Heat at 95 °C ±5 °C for 30 min.

Step 6. Cool

Step 7. Add 6 mL of NH_2OH-HCl and mix.

Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [signature] Date: 10/13/00 Received By: [signature] Date: 10/13/0

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08/19/00

BOE-C6-0158657

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/11/00
Time: 12:08:11

BATCH NUMBER: **0285325**

PREP DATE: 10/12/00
DUE DATE 10/13/00

INITIALS: Jm

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J060276	DLP38	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
	DLP38S		_____g	0.61 g	_____g	_____g
	DLP38D		_____g	0.60 g	_____g	_____g
E0J060276	DLP4X	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP5E	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP5K	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP5N	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP60	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP65	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP69	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP6N	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP75	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ13	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ17	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ1A	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ1F	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			

BOE-C6-0158658

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/11/00
Time: 12:08:11

BATCH NUMBER: **0285325**

PREP DATE: 10/12/00
DUE DATE 10/13/00

INITIALS: Dn 10/11/00

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J060360	DLQ1H	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ1K	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ1M	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ1R	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J090226	DLTC8	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J110000	DLX91B	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLX91C		_____g	0.60 g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG_____

COMMENTS: F.V. =100ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0285325

The following information applies to all samples associated with the above batch number.

Prepared By: [signature]

Reviewed By: _____

Date/Time Initiated: 10/12/001 1100

Date/Time Completed: 1 1130

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.

Step 2. Heat for 2 min. at 95 °C ±5 °C.

Step 3. Cool

Step 4. Add 50 mL of DI water and mix.

Step 3. Add 15 mL of $KMnO_4$ and mix.

Step 4. Add 8 mL of $K_2S_2O_8$ and mix

Step 5. Heat at 95 °C ±5 °C for 30 min.

Step 6. Cool

Step 7. Add 6 mL of NH_2OH-HCl and mix.

Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [signature] Date: 10/13/00 Received By: [signature] Date: 10/13/00

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08/19/00

BOE-C6-0158660

STL Los Angeles
Précis
ICAP Data Summary Cover Sheet

Instrument ID: ICPT - M01

Analyst: LOJ
Analytical Date: 10/13/00

Analysis by SOP: 6010B - 200.7 - CORP-MT-0001 Rev 2 ✓

Data File: P 101300

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0286323	EOJ120210	nhm 10/14/00	nhm 10/16/00	
	EOJ110217			
	✓ EOJ110292			
0285532	EOJ100249	Import Ref	nhm 10/17/00	
0286496	EOJ120294		nhm 10/16/00	L-3
	EOJ110255			
0285266	✓ EOJ100272	~~Ref OK~~		
	✓ EOJ100274			
	EOJ100264	✓ ~~Ref OK~~	nhm ~~Ref OK~~ 10/19/00	

Standards

Calibration Stds:	Lot #	Calibration Check Stds:	Lot #
1. Blank	100300-T1	ICV	100300-T4
2. STD1	100300-T2	CCV	100300-T5
3.		ICSA	100300-T7
4.		ICSAB 4-0	100500-T8
5.		5.	
6.		6.	

Notes/Comments:

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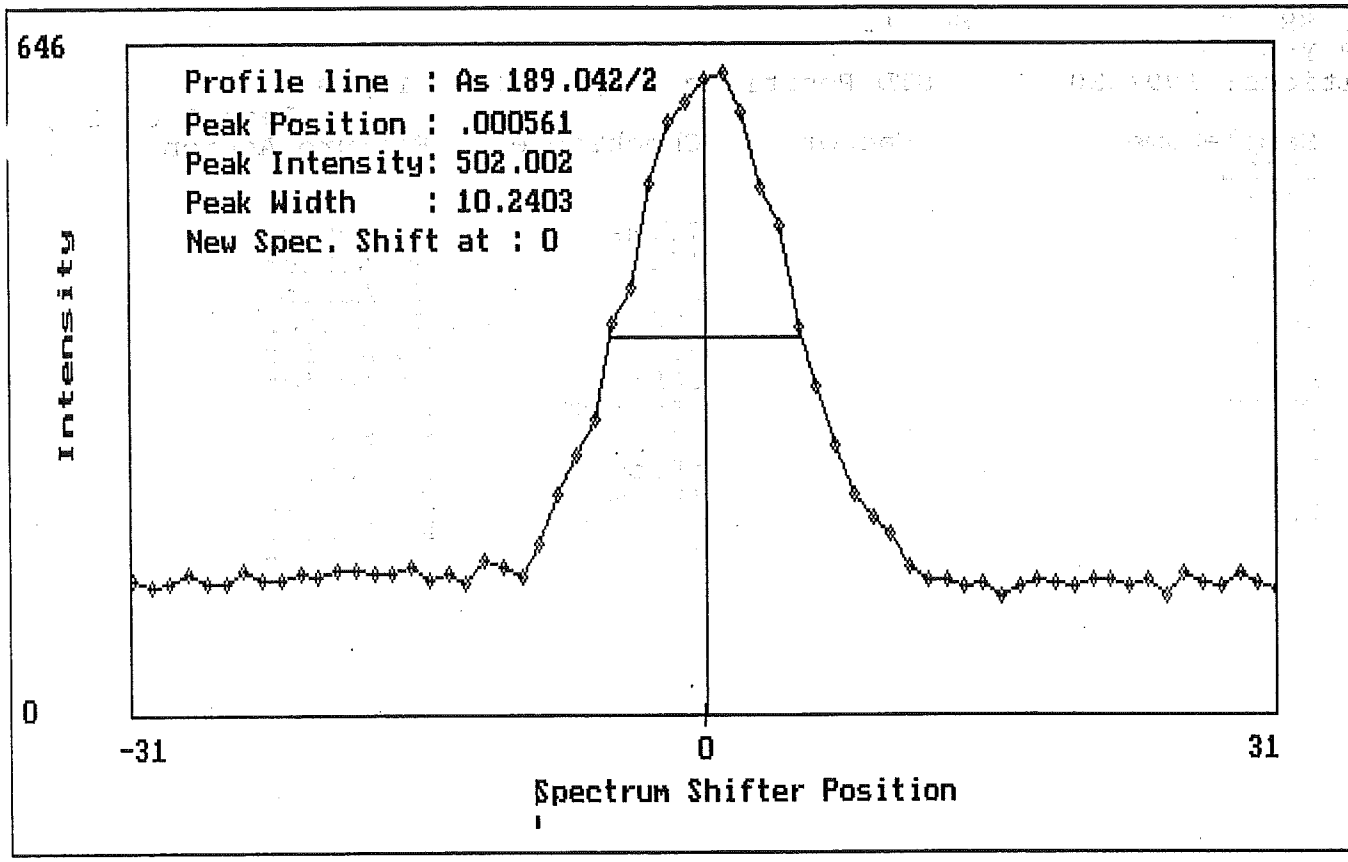
10/13/00

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	P101300	QTESTNAK	10/13/00	14:02		X	IR
2	STD1	P101300	QTESTNAK	10/13/00	14:08		X	IR
3	ICVHP	P101300	QTESTNAK	10/13/00	14:15	KT	S	CONC
4	ICB	P101300	QTESTNAK	10/13/00	14:23	KT	S	CONC
5	ICSA	P101300	QTESTNAK	10/13/00	14:29	KT	S	CONC
6	ICSAB4.0	P101300	QTESTNAK	10/13/00	14:37	KT	S	CONC
7	TEST-CRI	P101300	QTESTNAK	10/13/00	14:47	KT	S	CONC
8	DM2J6B-0286323	P101300	QTESTNAK	10/13/00	14:55	KT	S	CONC
9	DM2J6C	P101300	QTESTNAK	10/13/00	15:01	KT	S	CONC
10	DM2G2 5X - Ref	P101300	QTESTNAK	10/13/00	15:11	KT	S	CONC
11	DM2G2 15X	P101300	QTESTNAK	10/13/00	15:24	KT	S	CONC
12	DLXNR	P101300	QTESTNAK	10/13/00	15:32	KT	S	CONC
13	DLXPC	P101300	QTESTNAK	10/13/00	15:40	KT	S	CONC
14	DLXPH	P101300	QTESTNAK	10/13/00	15:48	KT	S	CONC
15	CCVT	P101300	QTESTNAK	10/13/00	15:54	KT	S	CONC
16	CCBT	P101300	QTESTNAK	10/13/00	16:02	KT	Q	CONC
17	DLXPP	P101300	QTESTNAK	10/13/00	16:18	KT	S	CONC
18	DLXPX	P101300	QTESTNAK	10/13/00	16:25	KT	S	CONC
19	DLXQ5	P101300	QTESTNAK	10/13/00	16:31	KT	S	CONC
20	DLXQ9	P101300	QTESTNAK	10/13/00	16:37	KT	S	CONC
21	DM1EK	P101300	QTESTNAK	10/13/00	16:45	KT	S	CONC
22	DM1EKP	P101300	QTESTNAK	10/13/00	16:53	KT	S	CONC
23	DM1EKS	P101300	QTESTNAK	10/13/00	17:01	KT	S	CONC
[illegible]	DM1EKD	P101300	QTESTNAK	10/13/00	17:11	KT	S	CONC
[illegible]	CCVT	P101300	QTESTNAK	10/13/00	17:20	KT	S	CONC
26	CCBT	P101300	QTESTNAK	10/13/00	17:30	KT	Q	CONC
27	DM085BT-0285532	P101300	QTESTNAK	10/13/00	17:36	KT	S	CONC
28	DM085CT	P101300	QTESTNAK	10/13/00	17:44	KT	S	CONC
29	DLW0KT-Zn	P101300	QTESTNAK	10/13/00	17:52	KT	S	CONC
30	DLW0KPT - Ref	P101300	QTESTNAK	10/13/00	18:00	KT	S	CONC
31	DLW0KST	P101300	QTESTNAK	10/13/00	18:06	KT	S	CONC
32	DLW0KDT	P101300	QTESTNAK	10/13/00	18:20	KT	S	CONC
33	DM085CT 5X	P101300	QTESTNAK	10/13/00	18:28	KT	S	CONC
34	DLW0KST 5X	P101300	QTESTNAK	10/13/00	18:36	KT	S	CONC
35	DLW0KDT 5X	P101300	QTESTNAK	10/13/00	18:44	KT	S	CONC
36	CCVT	P101300	QTESTNAK	10/13/00	18:52	KT	S	CONC
37	CCBT - Se	P101300	QTESTNAK	10/13/00	19:00	KT	Q	CONC
38	DLX31B-0285266	P101300	QTESTNAK	10/13/00	19:06	KT	S	CONC
39	DLX31C	P101300	QTESTNAK	10/13/00	19:12	KT	S	CONC
40	DLW5C	P101300	QTESTNAK	10/13/00	19:20	KT	S	CONC
41	DLW5CP	P101300	QTESTNAK	10/13/00	19:28	KT	S	CONC
42	DLW5CS	P101300	QTESTNAK	10/13/00	19:34	KT	S	CONC
43	DLW5CD ~~Ref~~	P101300	QTESTNAK	10/13/00	19:42	KT	S	CONC
44	DLW5M OK Se ND	P101300	QTESTNAK	10/13/00	19:50	KT	S	CONC
45	DLW5N 10/14/00	P101300	QTESTNAK	10/13/00	19:58	KT	S	CONC
46	DLW5R	P101300	QTESTNAK	10/13/00	20:04	KT	S	CONC
47	DLW60	P101300	QTESTNAK	10/13/00	20:12	KT	S	CONC
48	CCVT	P101300	QTESTNAK	10/13/00	20:20	KT	S	CONC
[illegible]	CCBT.	P101300	QTESTNAK	10/13/00	20:28	KT	Q	CONC
[illegible]	DLW61	P101300	QTESTNAK	10/13/00	20:34	KT	S	CONC
51	DLW63	P101300	QTESTNAK	10/13/00	20:42	KT	S	CONC
52	DLW69	P101300	QTESTNAK	10/13/00	20:50	KT	S	CONC
53	DLW6C	P101300	QTESTNAK	10/13/00	20:58	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	DLW6D	P101300	QTESTNAK	10/13/00	21:06	KT	S	CONC
55	DLW6E	P101300	QTESTNAK	10/13/00	21:14	KT	S	CONC
56	DLW6F	P101300	QTESTNAK	10/13/00	21:23	KT	S	CONC
57	DLW6G	P101300	QTESTNAK	10/13/00	21:31	KT	S	CONC
58	DLW6J	P101300	QTESTNAK	10/13/00	21:39	KT	S	CONC
59	DLW6L	P101300	QTESTNAK	10/13/00	21:45	KT	S	CONC
60	CCVT	P101300	QTESTNAK	10/13/00	21:53	KT	S	CONC
61	CCBT.	P101300	QTESTNAK	10/13/00	22:01	KT	Q	CONC
62	DLW6M	P101300	QTESTNAK	10/13/00	22:06	KT	S	CONC
63	DLW6P	P101300	QTESTNAK	10/13/00	22:17	KT	S	CONC
64	DLW6V	P101300	QTESTNAK	10/13/00	22:23	KT	S	CONC
65	DLW3P	P101300	QTESTNAK	10/13/00	22:31	KT	S	CONC
66	DLW45	P101300	QTESTNAK	10/13/00	22:39	KT	S	CONC
67	CCVT	P101300	QTESTNAK	10/13/00	22:47	KT	S	CONC
68	CCBT.	P101300	QTESTNAK	10/13/00	22:55	KT	Q	CONC
69	DM3NAB-0286496	P101300	QTESTNAK	10/13/00	23:01	KT	S	CONC
70	DM3NAC	P101300	QTESTNAK	10/13/00	23:06	KT	S	CONC
71	ERA-0286496	P101300	QTESTNAK	10/13/00	23:15	KT	S	CONC
72	DM290	P101300	QTESTNAK	10/13/00	23:25	KT	S	CONC
73	DM291	P101300	QTESTNAK	10/13/00	23:35	KT	S	CONC
74	DM291P	P101300	QTESTNAK	10/13/00	23:43	KT	S	CONC
75	DM291X	P101300	QTESTNAK	10/13/00	23:51	KT	S	CONC
76	DM291S	P101300	QTESTNAK	10/13/00	23:59	KT	S	CONC
77	DM291D	P101300	QTESTNAK	10/14/00	00:07	KT	S	CONC
78	CCVT	P101300	QTESTNAK	10/14/00	00:15	KT	S	CONC
79	CCBT'	P101300	QTESTNAK	10/14/00	00:25	KT	Q	CONC
80	DM04P	P101300	QTESTNAK	10/14/00	00:31	KT	S	CONC
81	DM04R	P101300	QTESTNAK	10/14/00	00:41	KT	S	CONC
82	DM04X	P101300	QTESTNAK	10/14/00	00:47	KT	S	CONC
83	DM055	P101300	QTESTNAK	10/14/00	00:55	KT	S	CONC
84	DM05C	P101300	QTESTNAK	10/14/00	01:03	KT	S	CONC
85	DM05E	P101300	QTESTNAK	10/14/00	01:11	KT	S	CONC
86	DM05K	P101300	QTESTNAK	10/14/00	01:19	KT	S	CONC
87	DM05P	P101300	QTESTNAK	10/14/00	01:27	KT	S	CONC
88	DM05T	P101300	QTESTNAK	10/14/00	01:35	KT	S	CONC
89	DM05W	P101300	QTESTNAK	10/14/00	01:45	KT	S	CONC
90	DM060	P101300	QTESTNAK	10/14/00	01:51	KT	S	CONC
91	DM062	P101300	QTESTNAK	10/14/00	01:57	KT	S	CONC
92	CCVT	P101300	QTESTNAK	10/14/00	02:05	KT	S	CONC
93	CCBT'	P101300	QTESTNAK	10/14/00	02:13	KT	Q	CONC



10/13/00

001111

Method: QTESTNAK Standard: STDBLK
Run Time: 10/13/00 14:02:28

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	.07824	-.01377	.00032	-.00063	.01821	.00222	.00443
SDev	.00028	.00689	.00000	.00000	.00150	.00001	.00043
%RSD	.36106	50.076	.36106	.36106	8.2485	.36106	9.7422
#1	.07844	-.00889	.00032	-.00064	.01715	.00222	.00413
#2	.07804	-.01864	.00032	-.00063	.01927	.00221	.00474

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	-.00016	.00919	-.00063	.00063	.00032	.00016	.00000
SDev	.00022	.00003	.00000	.00000	.00000	.00022	.00045
%RSD	141.42	.36106	.36106	.36106	.36106	141.42	55392.
#1	.00000	.00921	-.00064	.00064	.00032	.00032	.00032
#2	-.00032	.00916	-.00063	.00063	.00032	.00000	-.00032

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	-.00016	-.00475	-.03231	-.00111	.00032	.00063	-.00079
SDev	.00022	.00222	.00168	.00022	.00045	.00000	.00022
%RSD	141.42	46.819	5.1854	19.849	141.42	.36106	27.937
#1	-.00032	-.00318	-.03112	-.00095	.00000	.00064	-.00064
#2	.00000	-.00632	-.03349	-.00126	.00063	.00063	-.00095

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	-.00872	.00190	.06161	-.00016	-.01029	.00713	.0000
SDev	.00697	.00134	.00135	.00157	.00019	.00065	.0000
%RSD	79.956	70.440	2.1839	972.92	1.8147	9.0686	.0000
#1	-.01366	.00095	.06066	-.00127	-.01016	.00667	.0000
#2	-.00379	.00284	.06256	.00095	-.01043	.00758	.0000

Elem	Sr4215	Si2881
Avge	.0000	.0542
SDev	.0000	.0002
%RSD	.0000	.3611
#1	.0000	.0543
#2	.0000	.0540

IntStd	1	2	3	4	5	6	7
de	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6314	--	--	--	--	--	--
SDev	22.79729	--	--	--	--	--	--
%RSD	.3610617	--	--	--	--	--	--
#1	6298	--	--	--	--	--	--
#2	6330	--	--	--	--	--	--

Method: QTESTNAK Standard: STD1
Run Time: 10/13/00 14:08:50

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	16.383	2.4083	3.7772	7.6228	19.712	2.9106	9.3963
SDev	.027	.0273	.0066	.0087	.018	.0049	.0041
%RSD	.16266	1.1319	.17362	.11422	.09323	.16761	.04379
#1	16.402	2.3891	3.7725	7.6290	19.725	2.9140	9.3992
#2	16.364	2.4276	3.7818	7.6167	19.699	2.9071	9.3934

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	1.3098	3.2401	3.8180	23.465	4.0073	.51042	1.4047
SDev	.0005	.0012	.0077	.026	.0005	.00630	.0012
%RSD	.04034	.03727	.20206	.11246	.01367	1.2338	.08705
#1	1.3094	3.2392	3.8234	23.446	4.0077	.50596	1.4038
#2	1.3102	3.2409	3.8125	23.483	4.0069	.51487	1.4056

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	6.4396	3.8860	2.6435	2.3795	1.9915	1.2024	.20910
SDev	.0085	.0049	.0154	.0006	.0015	.0009	.00186
%RSD	.13269	.12594	.58402	.02597	.07288	.07251	.88854
#1	6.4456	3.8894	2.6325	2.3791	1.9925	1.2030	.20779
#2	6.4335	3.8825	2.6544	2.3799	1.9904	1.2018	.21042

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	1.4507	.72135	5.9158	2.4874	.31549	.41304	.6530
SDev	.0092	.00151	.0415	.0105	.00004	.00159	.0027
%RSD	.63654	.20982	.70130	.42134	.01367	.38598	.4197
#1	1.4442	.72242	5.9452	2.4948	.31552	.41191	.6510
#2	1.4572	.72028	5.8865	2.4800	.31546	.41416	.6549

Elem	Sr4215	Si2881
Avge	7.836	1.534
SDev	.006	.010
%RSD	.0736	.6319
#1	7.832	1.527
#2	7.840	1.541

IntStd de	1 Counts	2 NOTUSED	3 NOTUSED	4 NOTUSED	5 NOTUSED	6 NOTUSED	7 NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5997	--	--	--	--	--	--
SDev	.8200091	--	--	--	--	--	--
%RSD	.0136735	--	--	--	--	--	--
#1	5996	--	--	--	--	--	--
#2	5998	--	--	--	--	--	--

Standardization Report 10/13/00 02:14:41 PM page 1

Method: QTESTNAK Slope = Conc(SIR)/IR

F ment	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
P[illegible]2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Al3082	308.215	STD1	STDBLK	3.07489	-.240579	10/13/00 02:08:50
As1890	189.042	STD1	STDBLK	.413576	.005694	10/13/00 02:08:50
Ba4934	493.409	STD1	STDBLK	1.05908	-.000335	10/13/00 02:08:50
Be3130	313.042	STD1	STDBLK	.525033	.000333	10/13/00 02:08:50
Cd_tr	226.502	STD1	STDBLK	.051202	-.000932	10/13/00 02:08:50
Ca3179	317.933	STD1	STDBLK	68.7737	-.152494	10/13/00 02:08:50
Cr_tr	267.716	STD1	STDBLK	.425989	-.001889	10/13/00 02:08:50
Co2286	228.616	STD1	STDBLK	3.06153	.000484	10/13/00 02:08:50
Cu3247	324.753	STD1	STDBLK	1.23771	-.011370	10/13/00 02:08:50
Fe2714	271.441	STD1	STDBLK	13.2034	.008365	10/13/00 02:08:50
Mg2790	279.078	STD1	STDBLK	8.51862	-.005397	10/13/00 02:08:50
Mn2576	257.610	STD1	STDBLK	.998258	-.000316	10/13/00 02:08:50
Mo2020	202.030	STD1	STDBLK	7.82928	-.001243	10/13/00 02:08:50
Ni2316	231.604	STD1	STDBLK	2.84761	-.000002	10/13/00 02:08:50
Ag_tr	328.068	STD1	STDBLK	.310777	.000049	10/13/00 02:08:50
Na3302	330.232	STD1	STDBLK	.983698	.016433	10/13/00 02:08:50
Tl1908	190.864	STD1	STDBLK	.752505	.024311	10/13/00 02:08:50
Ti3349	334.941	STD1	STDBLK	1.68061	.001863	10/13/00 02:08:50
V_2924	292.402	STD1	STDBLK	2.01017	-.000635	10/13/00 02:08:50
Zn2138	213.856	STD1	STDBLK	3.35191	-.002124	10/13/00 02:08:50
Sn1899	189.989	STD1	STDBLK	19.0731	.015096	10/13/00 02:08:50
2[illegible]68_1	206.831	STD1	STDBLK	.662293	.005777	10/13/00 02:08:50
[illegible]8_2	206.832	STD1	STDBLK	1.37402	-.002608	10/13/00 02:08:50
2203_1	220.351	STD1	STDBLK	.173703	-.010701	10/13/00 02:08:50
2203_2	220.352	STD1	STDBLK	.398764	.000064	10/13/00 02:08:50
1960_1	196.021	STD1	STDBLK	3.07608	.031666	10/13/00 02:08:50
1960_2	196.022	STD1	STDBLK	2.39999	-.017102	10/13/00 02:08:50
B_2496	249.678	STD1	STDBLK	6.12570	.000000	10/13/00 02:08:50
Sr4215	421.552	STD1	STDBLK	.510442	.000000	10/13/00 02:08:50
Si2881	288.158	STD1	STDBLK	2.70285	-.146403	10/13/00 02:08:50

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 10/13/00 14:15:18
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98640	.98800	1.0048	9.9604	.98721	1.0189	1.0354
SDev	.00298	.00110	.0046	.0014	.00859	.0070	.0008
%RSD	.30192	.11144	.46063	.01388	.87037	.68560	.07794
#1	.98429	.98722	1.0015	9.9594	.98113	1.0140	1.0348
#2	.98850	.98878	1.0081	9.9614	.99328	1.0239	1.0360
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	11.000	1.1000	1.1000	1.1000
Low	.90000	.90000	.90000	9.0000	.90000	.90000	.90000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0094	40.988	1.0343	1.0136	.98126	10.404	39.913
SDev	.0069	.078	.0061	.0036	.00010	.006	.258
%RSD	.67958	.19019	.59069	.35776	.01036	.05495	.64692
#1	1.0046	40.933	1.0300	1.0110	.98119	10.408	39.730
#2	1.0143	41.043	1.0386	1.0161	.98134	10.400	40.095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	44.000	1.1000	1.1000	1.1000	11.000	44.000
Low	.90000	36.000	.90000	.90000	.90000	9.0000	36.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0482	.99866	1.0323	.39136	38.393	5.0659	1.0400
SDev	.0070	.01032	.0051	.00066	.002	.0392	.0017
%RSD	.66965	1.0331	.49530	.16839	.00476	.77334	.16181
#1	1.0433	.99136	1.0287	.39090	38.392	5.0382	1.0388
#2	1.0532	1.0060	1.0359	.39183	38.395	5.0936	1.0412
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	.44000		5.5000	1.1000
Low	.90000	.90000	.90000	.36000		4.5000	.90000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0268	1.0280	.96422	1.0059	1.0026	.98438	.98741
SDev	.0019	.0066	.00470	.0040	.0060	.00234	.00330
%RSD	.18296	.64630	.48788	.39413	.59427	.23811	.33367
#1	1.0255	1.0233	.96089	1.0031	.99843	.98273	.98508
#2	1.0282	1.0327	.96755	1.0087	1.0069	.98604	.98974
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1.1000	1.1000	1.1000				
Low	.90000	.90000	.90000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.98246	.99076	.9866	1.031	L.8417
SDev	.00444	.00387	.0133	.007	.0006
%RSD	.45158	.39018	1.347	.6877	.0675
#1	.98559	.98803	.9772	1.026	L.8413
#2	.97932	.99350	.9959	1.036	L.8421
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	LC Low
High			1.100		1.100
Low			.9000		.9000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6185	--	--	--	--	--	--
SDev	30.63174	--	--	--	--	--	--
%RSD	.4952922	--	--	--	--	--	--
#1	6206	--	--	--	--	--	--
#2	6163	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICB Operator: KT
Run Time: 10/13/00 14:23:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00083	.00260	.00011	-.01063	-.00130	.00000	.00017
SDev	.00044	.00460	.00030	.00039	.00242	.00000	.00000
%RSD	53.111	176.97	284.04	3.6849	186.52	19.220	.18255
#1	.00114	H.00585	-.00011	-.01035	-.00300	.00000	.00017
#2	.00052	-.00065	.00032	-.01090	.00041	.00000	.00017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00032	.00103	.00015	-.00000	.00047	.00837	.00008
SDev	.00013	.00020	.00019	.00069	.00002	.00005	.00002
%RSD	39.766	19.211	126.91	14016.	3.3269	.64915	28.086
#1	.00040	.00089	.00028	-.00049	.00046	.00841	.00009
#2	.00023	.00117	.00002	.00048	.00048	.00833	.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.00250	.00091	.00010	.22653	.00056	.00025
SDev	.00000	.00176	.00000	.00049	.05057	.00071	.00000
%RSD	19.220	70.380	.12886	494.61	22.324	127.66	.79496
#1	.00000	.00375	.00090	-.00025	.19077	.00106	.00026
#2	.00000	.00126	.00091	.00045	.26229	.00005	.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00063	.00161	-.00315	.00090	-.00149	.00008	.00121
SDev	.00000	.00075	.00002	.00001	.00092	.00084	.00108
%RSD	.14662	46.590	.74416	1.1395	61.493	1110.0	89.301
#1	-.00063	.00214	-.00313	.00091	-.00214	-.00052	.00197
#2	-.00063	.00108	-.00317	.00090	-.00084	.00067	.00045
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.00316	.00548	<.0000	.0000	.0001
SDev	.00629	.00376	.0014	.0000	.0010
%RSD	198.86	68.634	141.4	.0000	838.2
#1	.00128	.00813	<.0000	.0000	.0009
#2	-.00761	.00282	.0000	.0000	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6272	--	--	--	--	--	--
SDev	8.060948	--	--	--	--	--	--
%RSD	.1285289	--	--	--	--	--	--
#1	6277	--	--	--	--	--	--
#2	6266	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 10/13/00 14:29:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00303	.00014	.00130	501.53	-.00172	.00041	.00015
SDev	.00199	.00184	.00492	.16	.00133	.00000	.00000
%RSD	65.715	1332.2	378.39	.03156	77.617	.12681	.53052
#1	-.00444	.00144	-.00218	501.42	-.00266	.00041	.00015
#2	-.00162	-.00116	.00478	501.65	-.00077	.00041	.00015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	.01000	.06000	600.00	.02000	.02000	.01000
Low	-.01000	-.01000	-.06000	400.00	-.02000	-.02000	-.01000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00049	486.63	-.00234	.00089	-.00032	196.15	497.51
SDev	.00009	1.03	.00085	.00001	.00001	.34	.24
%RSD	18.860	.21084	36.404	.51342	2.5029	.17147	.04815
#1	.00043	487.36	-.00174	.00088	-.00031	196.38	497.67
#2	.00056	485.91	-.00294	.00089	-.00032	195.91	497.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	600.00	.02000	.05000	.02500	240.00	600.00
Low	-.01000	400.00	-.02000	-.05000	-.02500	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00314	.00057	-.00000	-.00077	.05263	-.00143	-.00111
SDev	.00050	.00592	.00000	.00008	.07971	.00027	.00000
%RSD	15.959	1030.6	.00000	10.079	151.45	18.688	.17088
#1	-.00279	.00476	-.00000	-.00072	.10900	-.00162	-.00111
#2	-.00349	-.00361	-.00000	-.00083	-.00373	-.00124	-.00111
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.02000	5.0000	.02000	.05000
Low	-.01500	-.04000	-.04000	-.02000	-5.0000	-.02000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00028	.00084	-.01101	.00113	.00164	.01686	-.01297
SDev	.00051	.00009	.00953	.00602	.00272	.00220	.00409
%RSD	182.43	10.235	86.594	531.39	166.16	13.065	31.529
#1	-.00064	.00078	-.01775	-.00312	-.00029	.01842	-.01586
#2	.00008	.00090	-.00427	.00539	.00356	.01531	-.01008
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.00114	.00077	.0076	.0152	.0113
SDev	.01233	.00340	.0015	.0001	.0001
%RSD	1085.1	438.87	20.13	.7668	.9800
#1	.00758	-.00163	.0087	.0153	.0112
#2	-.00985	.00318	.0065	.0152	.0113
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5657	--	--	--	--	--	--
SDev	3.959867	--	--	--	--	--	--
%RSD	.0699965	--	--	--	--	--	--
#1	5660	--	--	--	--	--	--
#2	5654	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSAB4.0 Operator: KT
Run Time: 10/13/00 14:37:16
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04964	.05186	.62517	502.52	.09985	.52165	.51240
SDev	.00206	.00037	.00919	.90	.00497	.00065	.00038
%RSD	4.1492	.71962	1.4703	.17899	4.9784	.12526	.07520
#1	.05109	.05213	.61867	503.16	.09634	.52119	.51213
#2	.04818	.05160	.63167	501.89	.10337	.52211	.51267
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.06000	.72000	600.00	.12000	.60000	.60000
Low	.04000	.04000	.48000	400.00	.08000	.40000	.40000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97129	487.51	.49345	.50075	.55470	196.70	497.88
SDev	.00424	.07	.00109	.00165	.00141	.03	1.01
%RSD	.43639	.01477	.22098	.32895	.25436	.01468	.20368
#1	.96829	487.56	.49268	.49959	.55569	196.68	497.17
#2	.97429	487.46	.49422	.50192	.55370	196.72	498.60
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.2000	600.00	.60000	.60000	.60000	240.00	600.00
Low	.80000	400.00	.40000	.40000	.40000	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50437	1.0130	.98657	.21389	H13.069	.10862	-.00062
SDev	.00161	.0081	.00166	.00057	.034	.00657	.00000
%RSD	.32022	.79502	.16796	.26631	.26210	6.0499	.13073
#1	.50323	1.0073	.98540	.21429	H13.093	.10397	-.00062
#2	.50552	1.0187	.98774	.21349	H13.044	.11327	-.00062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.60000	1.2000	1.2000	.24000	12.000	.12000	.10000
Low	.40000	.80000	.80000	.16000	8.0000	.08000	-.10000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49312	1.0527	-.00765	.62364	.62823	.07145	.03875
SDev	.00038	.0006	.00475	.01385	.00013	.00577	.00021
%RSD	.07678	.05645	62.065	2.2206	.02137	8.0703	.53964
#1	.49339	1.0531	-.00429	.61385	.62833	.07552	.03890
#2	.49285	1.0522	-.01101	.63343	.62814	.06737	.03860
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	1.2000	.20000				
Low	.40000	.80000	-.20000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.06409	.04575	.0086	.0152	.0057
SDev	.00231	.00060	.0000	.0001	.0007
%RSD	3.6102	1.3019	.0240	.8608	12.48
#1	.06573	.04533	.0086	.0151	.0052
#2	.06246	.04618	.0086	.0153	.0062
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.4000	.1000	1.000
Low			-.4000	-.1000	-1.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5669	--	--	--	--	--	--
SDev	1.357590	--	--	--	--	--	--
%RSD	.0239483	--	--	--	--	--	--
#1	5670	--	--	--	--	--	--
#2	5668	--	--	--	--	--	--

Method: QTESTNAK Sample Name: TEST-CRI Operator: KT
Run Time: 10/13/00 14:47:23
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00470	.00992	.02161	.37963	.02052	.02003	.01011
SDev	.00134	.00286	.00044	.00127	.00214	.00037	.00006
%RSD	28.500	28.836	2.0512	.33433	10.437	1.8518	.62805
#1	.00565	.01194	.02130	.38052	.02203	.02029	.01016
#2	L.00375	.00790	.02193	.37873	.01901	.01977	.01007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00750	.01250	.02500	.50000	.02500	.02500	.01250
Low	.00450	.00750	.01500	.30000	.01500	.01500	.00750

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00388	10.033	.00988	.09777	.04822	.19972	9.6055
SDev	.00029	.097	.00008	.00063	.00067	.00469	.1087
%RSD	7.4631	.97062	.77388	.64832	1.3830	2.3498	1.1314
#1	.00367	10.102	.00993	.09822	.04869	.19640	9.6823
#2	.00408	9.9639	.00983	.09732	.04774	.20303	9.5286
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	.00500	12.500	.01250	.12500	.06250	.25000	12.500
Low	.00300	7.5000	.00750	.07500	.03750	.15000	7.5000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03141	.07841	.08236	.00956	9.6328	.01914	-.00001
SDev	.00066	.00052	.00182	.00055	.0345	.00359	.00037
%RSD	2.0876	.66221	2.2067	5.7641	.35788	18.738	4617.3
#1	.03188	.07877	.08365	.00995	9.6085	.01661	.00025
#2	.03095	.07804	.08108	.00917	9.6572	.02168	-.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	NOCHECK
High	.03750	.10000	.10000	.01250		.02500	
Low	.02250	.06000	.06000	.00750		.01500	

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.09875	.04274	L-.00006	.02244	.01996	.00602	.00405
SDev	.00110	.00104	.00419	.00120	.00107	.00052	.00227
%RSD	1.1142	2.4409	7515.6	5.3498	5.3774	8.5648	56.028
#1	.09953	.04347	L.00291	.02159	.02072	.00565	.00565
#2	.09797	.04200	L-.00302	.02329	.01920	.00638	.00244
rrors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.12500	.05000	.25000				
Low	.07500	.03000	.15000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.01159	.00909	L.0000	L.0003	L.0095
sDev	.00609	.00125	.0000	.0000	.0004
%RSD	52.560	13.730	.0000	.6526	4.311
#1	.01589	.00997	L.0000	L.0003	L.0098
#2	.00728	.00820	L.0000	L.0003	L.0092
Errors	NOCHECK	NOCHECK	LC Low	LC Low	LC Low
High			.5000	.1250	1.250
Low			.3000	.0750	.7500

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6293	--	--	--	--	--	--
SDev	41.06882	--	--	--	--	--	--
%RSD	.6526361	--	--	--	--	--	--
#1	6264	--	--	--	--	--	--
#2	6322	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM2J6B-0286323 Operator: KT
Run Time: 10/13/00 14:55:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00026	.00084	.00183	.01835	-.00473	.00035	.00016
SDev	.00201	.00111	.00215	.00198	.00321	.00000	.00000
%RSD	767.08	132.05	117.46	10.783	67.748	.10306	.00029
#1	-.00169	.00006	.00031	.01975	-.00700	.00035	.00016
#2	.00116	.00163	.00334	.01695	-.00247	.00035	.00016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	.01425	.00025	-.00001	.00023	.01903	.00429
SDev	.00023	.01581	.00029	.00070	.00001	.00308	.00191
%RSD	218.38	110.93	118.01	5093.1	2.4479	16.181	44.641
#1	.00027	.00307	.00045	.00048	.00023	.01685	.00564
#2	-.00006	.02543	.00004	-.00051	.00024	.02121	.00293
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00033	.00256	.00736	-.00000	.26063	.00182	.00023
SDev	.00000	.00179	.00130	.00050	.02023	.00395	.00000
%RSD	.10307	70.118	17.631	44208.	7.7625	217.39	.34088
#1	.00033	.00129	.00828	.00035	.24632	-.00098	.00023
#2	.00033	.00382	.00644	-.00035	.27493	.00461	.00023
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00002	.00380	.00276	.00281	-.00015	-.00170	.00045
SDev	.00000	.00077	.00001	.00243	.00159	.00020	.00292
%RSD	7.8520	20.303	.23634	86.232	1069.8	12.053	642.87
#1	.00001	.00326	.00277	.00110	-.00127	-.00184	-.00161
#2	.00002	.00435	.00276	.00453	.00097	-.00155	.00252
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
·ge	-.00363	.00308	.0000	.0000	.0117
ɔDev	.00772	.00218	.0000	.0000	.0011
%RSD	212.40	70.956	.0000	.0000	9.814
#1	-.00909	.00462	.0000	.0000	.0126
#2	.00182	.00153	.0000	.0000	.0109
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6187	--	--	--	--	--	--
SDev	3.252415	--	--	--	--	--	--
%RSD	.0525697	--	--	--	--	--	--
#1	6189	--	--	--	--	--	--
#2	6185	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM2J6C Operator: KT
Run Time: 10/13/00 15:01:18
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47149	1.8438	.47868	1.9161	1.8548	1.9469	.05092
SDev	.00260	.0150	.00533	.0003	.0351	.0183	.00009
%RSD	.55075	.81602	1.1131	.01776	1.8908	.93812	.17703
#1	.46966	1.8331	.47491	1.9159	1.8300	1.9340	.05099
#2	.47333	1.8544	.48245	1.9164	1.8796	1.9598	.05086
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.6000	.40000	1.6000	1.6000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04966	49.886	.19913	.49810	.23913	.99622	48.093
SDev	.00102	.184	.00213	.00410	.00016	.02071	.472
%RSD	2.0578	.36802	1.0698	.82326	.06782	2.0790	.98132
#1	.04893	49.756	.19762	.49520	.23925	1.0109	47.759
#2	.05038	50.015	.20063	.50100	.23902	.98158	48.427
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	60.000	.24000	.60000	.30000	1.2000	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49572	.96532	.49559	.04772	46.603	1.9322	1.0023
SDev	.00540	.01835	.00708	.00049	.002	.0264	.0021
%RSD	1.0896	1.9014	1.4295	1.0327	.00478	1.3677	.21350
#1	.49190	.95234	.49058	.04737	46.604	1.9135	1.0008
#2	.49954	.97830	.50060	.04806	46.601	1.9509	1.0038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48870	.48907	1.9071	.47605	.48396	.47183	.47133
SDev	.00101	.00534	.0055	.00484	.00631	.00068	.00355
%RSD	.20730	1.0917	.28998	1.0160	1.3045	.14473	.75367
#1	.48798	.48529	1.9032	.47263	.47950	.47135	.46881
#2	.48941	.49284	1.9110	.47947	.48843	.47231	.47384
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000	2.4000				
Low	.40000	.40000	1.6000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	1.8503	1.8405	.9116	.9432	8.265
SDev	.0025	.0213	.0141	.0088	.107
%RSD	.13512	1.1578	1.545	.9324	1.290
#1	1.8485	1.8254	.9017	.9370	8.189
#2	1.8520	1.8556	.9216	.9494	8.340
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass
High				1.200	12.00
Low				.8000	8.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6068	--	--	--	--	--	--
SDev	10.77613	--	--	--	--	--	--
%RSD	.1776029	--	--	--	--	--	--
#1	6060	--	--	--	--	--	--
#2	6075	--	--	--	--	--	--

Units			ppm	ppm	ppm
(ge	1.8503	1.8405	.9116	.9432	8.265
SDev	.0025	.0213	.0141	.0088	.107
%RSD	.13512	1.1578	1.545	.9324	1.290
#1	1.8485	1.8254	.9017	.9370	8.189
#2	1.8520	1.8556	.9216	.9494	8.340
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass
High				1.200	12.00
Low				.8000	8.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6068	--	--	--	--	--	--
SDev	10.77613	--	--	--	--	--	--
%RSD	.1776029	--	--	--	--	--	--
#1	6060	--	--	--	--	--	--
#2	6075	--	--	--	--	--	--

Units			ppm	ppm	ppm
ge	1.8503	1.8405	.9116	.9432	8.265
SDev	.0025	.0213	.0141	.0088	.107
%RSD	.13512	1.1578	1.545	.9324	1.290
#1	1.8485	1.8254	.9017	.9370	8.189
#2	1.8520	1.8556	.9216	.9494	8.340
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass
High				1.200	12.00
Low				.8000	8.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6068	--	--	--	--	--	--
SDev	10.77613	--	--	--	--	--	--
%RSD	.1776029	--	--	--	--	--	--
#1	6060	--	--	--	--	--	--
#2	6075	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM2G2 5X Operator: KT
Run Time: 10/13/00 15:11:25
C ment:
Mode: CONC Corr. Factor: 1

Ref

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00206	-.00080	.00494	.07532	-.00206	.05266	.00054
SDev	.00004	.00343	.00027	.00305	.00278	.00015	.00000
%RSD	1.7652	428.15	5.4249	4.0442	135.26	.29326	.80444
#1	.00204	.00162	.00513	.07747	-.00402	.05255	.00054
#2	.00209	-.00323	.00475	.07316	-.00009	.05277	.00054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	H1578.4	.01591	.00293	.00526	.02211	1.5090
SDev	.00033	.2	.00016	.00001	.00044	.01530	.0054
%RSD	939.25	.01163	.98987	.29674	8.2896	69.211	.35691
#1	.00020	H1578.3	.01602	.00293	.00557	.01129	1.5128
#2	-.00027	H1578.5	.01580	.00292	.00495	.03294	1.5052
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04445	4.1961	.45232	-.00040	2361.9	-.00464	-.00163
SDev	.00045	.0796	.00452	.00009	.6	.00353	.00001
%RSD	1.0213	1.8961	.99866	22.927	.02726	76.026	.63433
#1	.04413	4.1398	.44912	-.00034	2361.5	-.00713	-.00164
#2	.04478	4.2524	.45551	-.00047	2362.4	-.00215	-.00162
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00117	.01224	.00321	.00528	.00426	.00738	-.00059
SDev	.00055	.00008	.00564	.00109	.00299	.00252	.00120
%RSD	46.662	.66419	175.79	20.719	70.223	34.147	204.46
#1	.00156	.01230	-.00078	.00450	.00638	.00559	.00026
#2	.00079	.01218	.00719	.00605	.00215	.00916	-.00144
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00686	-.00463	.1997	1.868	.2240
SDev	.00175	.00427	.0012	.008	.0027
%RSD	25.427	92.291	.6054	.4027	1.197
#1	.00810	-.00161	.1988	1.862	.2259
#2	.00563	-.00765	.2005	1.873	.2221
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4816	--	--	--	--	--	--
SDev	14.22707	--	--	--	--	--	--
%RSD	.2954089	--	--	--	--	--	--
#1	4806	--	--	--	--	--	--
#2	4826	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM2G2 15X Operator: KT
Run Time: 10/13/00 15:24:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00167	-.00204	.00507	.03246	-.00014	.01801	.00040
SDev	.00131	.00051	.00196	.00212	.00044	.00003	.00000
%RSD	78.429	25.067	38.616	6.5207	311.81	.15947	.15398
#1	.00074	-.00240	.00646	.03396	.00017	.01803	.00040
#2	.00260	-.00168	.00369	.03096	-.00045	.01799	.00040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00026	596.88	.00546	.00045	.00225	.00077	.52359
SDev	.00004	2.14	.00001	.00000	.00003	.00002	.00284
%RSD	15.578	.35908	.15798	.01090	1.1176	1.9979	.54329
#1	-.00023	598.39	.00547	.00045	.00227	.00078	.52561
#2	-.00029	595.36	.00546	.00045	.00223	.00076	.52158
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01509	1.3710	.15762	-.00040	1217.3	.00645	-.00004
SDev	.00002	.0124	.00025	.00025	3.8	.00496	.00000
%RSD	.15984	.90759	.15656	61.626	.31595	76.936	8.0192
#1	.01511	1.3622	.15779	-.00058	1220.0	.00996	-.00004
#2	.01508	1.3798	.15744	-.00023	1214.6	.00294	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00009	.00464	.00431	.00531	.00460	.00053	.00224
SDev	.00001	.00001	.01525	.00444	.00302	.00034	.00213
%RSD	7.2018	.23675	353.77	83.661	65.678	63.113	95.282
#1	.00009	.00465	-.00647	.00845	.00246	.00077	.00073
#2	.00010	.00464	.01510	.00217	.00673	.00030	.00375
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.00311	-.00461	.0634	.6484	.0780
Dev	.00414	.00130	.0015	.0028	.0011
%RSD	133.00	28.167	2.415	.4290	1.373
#1	.00019	-.00369	.0623	.6504	.0788
#2	.00604	-.00553	.0645	.6464	.0772
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5312	--	--	--	--	--	--
SDev	8.315755	--	--	--	--	--	--
%RSD	.1565596	--	--	--	--	--	--
#1	5306	--	--	--	--	--	--
#2	5317	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLXNR Operator: KT
Run Time: 10/13/00 15:32:56
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00216	.00014	.00377	.35704	-.00000	.14071	.00006
SDev	.00110	.00345	.00176	.00356	.00443	.00091	.00013
%RSD	50.803	2438.7	46.684	.99588	132180.	.64431	225.11
#1	-.00294	-.00229	.00501	.35956	-.00314	.14007	.00015
#2	-.00138	.00258	.00252	.35453	.00313	.14135	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00081	19.560	.02586	.00414	.00249	.48718	30.793
SDev	.00052	.016	.00013	.00075	.00031	.00926	.027
%RSD	64.382	.08232	.49609	18.069	12.591	1.9007	.08707
#1	.00044	19.549	.02595	.00466	.00271	.48064	30.774
#2	.00118	19.571	.02577	.00361	.00227	.49373	30.812
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39235	.01093	.02156	-.00021	642.91	.00305	.01140
SDev	.00111	.00189	.00002	.00015	.73	.00510	.00042
%RSD	.28332	17.342	.08809	72.652	.11348	167.11	3.6609
#1	.39156	.00959	.02157	-.00032	643.42	.00666	.01170
#2	.39313	.01227	.02154	-.00010	642.39	-.00055	.01110
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00765	.05077	.00851	.00543	.00044	-.00711	.00031
SDev	.00097	.00005	.00928	.00214	.00099	.00059	.00194
%RSD	12.710	.09173	108.95	39.461	225.15	8.3634	626.23
#1	.00696	.05080	.01507	.00694	.00114	-.00669	-.00106
#2	.00834	.05074	.00196	.00391	-.00026	-.00753	.00168
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
·ge	.00829	-.00393	.7410	.2952	9.157
ɔDev	.00451	.00291	.0038	.0006	.018
%RSD	54.409	74.147	.5154	.2065	.1978
#1	.00510	-.00599	.7383	.2948	9.145
#2	.01148	-.00187	.7437	.2956	9.170
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5812	--	--	--	--	--	--
SDev	5.119274	--	--	--	--	--	--
%RSD	.0880863	--	--	--	--	--	--
#1	5808	--	--	--	--	--	--
#2	5815	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLXPC Operator: KT
Run Time: 10/13/00 15:40:57
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00087	.00287	.00082	.00532	-.00158	.09572	-.00002
SDev	.00229	.00148	.00250	.00339	.00579	.00031	.00000
%RSD	263.37	51.558	306.07	63.717	366.37	.32752	3.4198
#1	.00075	.00182	-.00095	.00772	-.00567	.09550	-.00002
#2	-.00249	.00392	.00258	.00292	.00251	.09595	-.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	91.075	.00089	.00048	.00002	.01049	52.671
SDev	.00015	.163	.00011	.00000	.00032	.00312	.092
%RSD	59.290	.17946	11.939	.18188	1388.5	29.744	.17386
#1	-.00014	90.960	.00096	.00048	.00025	.00829	52.607
#2	-.00035	91.191	.00081	.00048	-.00020	.01270	52.736
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02407	.00138	.00190	-.00001	108.96	-.00000	.00046
SDev	.00005	.00001	.00000	.00022	.55	.00023	.00040
%RSD	.19805	.34879	.19572	3868.2	.50420	8682.3	86.518
#1	.02411	.00138	.00191	-.00016	109.35	-.00016	.00074
#2	.02404	.00137	.00190	.00015	108.57	.00016	.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00206	.00628	.00552	.00172	-.00099	-.00314	.00026
SDev	.00001	.00081	.00449	.00359	.00032	.00367	.00161
%RSD	.24477	12.895	81.363	208.46	32.522	116.79	607.38
#1	.00206	.00686	.00870	-.00082	-.00122	-.00055	.00140
#2	.00205	.00571	.00235	.00426	-.00076	-.00574	-.00087
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.48749	.49000	1.962	2.046	1.934
SDev	.00487	.00804	.004	.001	.006
%RSD	.99887	1.6398	.1828	.0631	.3326
#1	.49093	.48432	1.965	2.047	1.930
#2	.48404	.49569	1.960	2.046	1.939
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6052	--	--	--	--	--	--
SDev	2.177944	--	--	--	--	--	--
%RSD	.0359845	--	--	--	--	--	--
#1	6054	--	--	--	--	--	--
#2	6051	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/13/00 22:55:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00074	.00120	.00299	-.01701	-.00188	.00000	.00016
SDev	.00058	.00076	.00150	.00082	.00019	.00000	.00000
%RSD	78.202	63.222	50.274	4.8040	10.284	4.2755	.00402
#1	.00033	.00066	.00405	-.01644	-.00201	.00000	.00016
#2	.00114	.00173	.00193	-.01759	-.00174	.00000	.00016
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00015	.00203	.00037	-.00050	.00015	.00629	.00695
SDev	.00028	.00009	.00010	.00000	.00001	.00300	.00197
%RSD	183.54	4.2675	25.742	.13394	3.9016	47.695	28.386
#1	-.00005	.00210	.00030	-.00050	.00016	.00417	.00835
#2	.00035	.00197	.00044	-.00050	.00015	.00841	.00556
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00016	.00253	.00137	-.00010	.37297	.00669	.00024
SDev	.00023	.00178	.00065	.00021	.07781	.00272	.00000
%RSD	137.90	70.377	47.270	211.08	20.861	40.752	.36465
#1	.00032	.00379	.00183	-.00025	.31795	.00861	.00024
#2	.00000	.00127	.00091	.00005	.42799	.00476	.00024
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00063	.00110	.00591	.00401	.00094	.00132	.00045
SDev	.00000	.00000	.00433	.00193	.00064	.00137	.00018
%RSD	.16251	.11780	73.314	48.175	68.284	104.22	39.936
#1	-.00063	.00109	.00285	.00538	.00139	.00035	.00032
#2	-.00063	.00110	.00898	.00264	.00048	.00229	.00057
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00536	.00447	.0010	.0002	.0020
SDev	.00207	.00217	.0014	.0001	.0001
%RSD	38.682	48.526	141.4	47.09	4.275
#1	-.00389	.00294	.0000	.0002	.0020
#2	-.00683	.00600	.0020	.0003	.0019
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6231	--	--	--	--	--	--
SDev	3.507222	--	--	--	--	--	--
%RSD	.0562885	--	--	--	--	--	--
#1	6228	--	--	--	--	--	--
#2	6233	--	--	--	--	--	--

STL LOS ANGELES

Précis
Metals Preparation

Batch: 0285266
The following information applies to all samples associated with the above batch number.

Prepared By: lcr
Reviewed By: lcr

Date/Time Initiated: 10/12/00 19:00
Date/Time Completed: 10/13/00 15:20

Hot Plate/Block # 1 Temp* 95 °C Thermometer # M-H-04
*Thermometer correction applied. (CF +1.0 °C)

Spike Standards for LCS and MS/MSD samples.

	Volume	Lot #	Exp. Date
1. QSPK1A	1.0 mL	QSPK1A-091200-1	08/2002
2. QSPK1B	↓ mL	QSKP1B-072000-1	07/2001
3. QSPK2A	↓ mL	QSPK2A 072000-1	04/2002
4. QSPK2B	0.1 mL	QCAL6B-112299-1	05/2001

Reagents	Volume	Lot #
HNO_3	10.0 mL	6623 T09A058
H_2O_2	4.0 mL	5240T15A01
HCl	10.0 mL	5587 N41A07

SOP No. CORP-IP-0002, Revision 2, Date: 7/2/99

Method 3050B

✓ Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
✓ Step 2. Add 10 mL of 1:1 HNO_3.
✓ Step 3. Cover and heat at 95°C for 10 min.
✓ Step 4. Cool and add 5 mL conc. HNO_3, cover and heat at 95 °C for 30 min.
✓ Step 5. If brown fumes observed, repeat last step until no fumes are evolved.
✓ Step 6. Reduce volume to approx. 5 mL or heat for 2 hours. → 21:00
✓ Step 7. Cool and add 2 mL of water and 3 Ml of 30% H_2O_2.
✓ Step 8. Heat until effervescence subsides.
✓ Step 9. Cool and add 1 mL H_2O_2 with heat effervescence is minimal.
Step 10. Reduce volume to approx. 5 mL or heat for 2 hours. → 11:00 AM
Step 11. Add 10 mL of conc. HCl and heat for 15 min.
Step 12. Cool, rinse and filter sample with DI water.
Step 13. Dilute to100 mL with DI water and mix sample.

Redigestion required - Samples/Reason: _____
Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:
Relinquished By: lcr Date: 10/13/00 Received By: lcr Date: 10/13/00

N:\inorganics\metals\forms\Q_prep
10/06/00

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/12/00
Time: 19:15:08

BATCH NUMBER: **0285266**

PREP DATE: 10/12/00
DUE DATE 10/16/00

INITIALS: TM

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J100272	DLW5C	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
	DLW5CS		1.00 g	_____g	_____g	_____g
	DLW5CD		1.00 g	_____g	_____g	_____g
E0J100272	DLW5M	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW5N	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW5R	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW60	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100274	DLW61	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW63	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW69	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6C	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6D	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6E	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6F	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6G	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6J	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/12/00
Time: 19:15:08

BATCH NUMBER: **0285266**

PREP DATE: 10/12/00
DUE DATE 10/16/00

INITIALS: MM

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J100272	DLW6L	01	X 100 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6M	01	X 101 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6P	01	X 101 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6V	01	X 100 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100264	DLW3P	01	X 101 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J100264	DLW45	01	X 100 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110000	DLX31B	01	X 100 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLX31C		103 g	_____g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG_____

COMMENTS: Final Vol = 100 ml

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/12/00
Time: 19:15:08

BATCH NUMBER: **0285266**

PREP DATE: 10/12/00
DUE DATE 10/16/00

INITIALS: _____

ICP ELEMENTS WITHIN THE BATCH:

AG AL AS BA BE CA CD CO CR CU FE KX MG MN MO NA NI PB SB SE TL VX

MS/MSD 1:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 2:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 3:	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK :	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK DUP:	ICP - 1	ICP - 2	GFAA	HG	ODD
STANDARD NUMBERS	_____	_____	____	___	___

Units			ppm	ppm	ppm
Avge	.00643	.00109	.7442	.6854	12.34
SDev	.00223	.00110	.0043	.0020	.02
%RSD	34.709	101.17	.5837	.2980	.1883
#1	.00486	.00031	.7412	.6840	12.33
#2	.00801	.00187	.7473	.6869	12.36
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5976	--	--	--	--	--	--
SDev	11.68142	--	--	--	--	--	--
%RSD	.1954846	--	--	--	--	--	--
#1	5967	--	--	--	--	--	--
#2	5984	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLXPH Operator: KT
Run Time: 10/13/00 15:48:59
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00135	-.00142	.00459	.02929	-.00517	.07064	.00023
SDev	.00197	.00345	.00089	.00378	.00262	.00023	.00014
%RSD	145.31	242.47	19.483	12.915	50.735	.32308	60.250
#1	.00004	.00102	.00396	.03197	-.00332	.07048	.00033
#2	-.00275	-.00387	.00522	.02662	-.00702	.07081	.00013
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00187	255.13	.00278	.00339	.00206	.01310	342.55
SDev	.00026	.46	.00014	.00084	.00027	.00706	.54
%RSD	14.065	.18112	4.9028	24.705	12.959	53.906	.15822
#1	.00169	255.46	.00288	.00399	.00187	.01810	342.16
#2	.00206	254.80	.00269	.00280	.00225	.00811	342.93
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4398	.00471	.02385	-.00005	1556.2	.00809	.00058
SDev	.0035	.00419	.00012	.00025	2.7	.00799	.00001
%RSD	.24599	88.879	.48204	535.26	.17334	98.739	1.0652
#1	1.4373	.00175	.02394	.00013	1558.1	.00244	.00058
#2	1.4423	.00767	.02377	-.00022	1554.2	.01374	.00059
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00052	.01182	.01145	.00674	.00028	-.00204	-.00101
SDev	.00054	.00007	.00515	.00004	.00261	.00205	.00193
%RSD	105.49	.58916	45.003	.57845	915.73	100.76	189.98
#1	.00090	.01187	.00781	.00671	-.00156	-.00059	.00035
#2	.00013	.01177	.01510	.00676	.00213	-.00349	-.00237
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
·ge	.00501	-.00464	1.499	2.570	10.94
ɔDev	.00898	.00069	.004	.002	.01
%RSD	179.19	14.944	.2884	.0661	.0806
#1	.01137	-.00415	1.496	2.569	10.93
#2	-.00134	-.00513	1.502	2.572	10.94
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5252	--	--	--	--	--	--
SDev	25.31463	--	--	--	--	--	--
%RSD	.4819870	--	--	--	--	--	--
#1	5234	--	--	--	--	--	--
#2	5270	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/13/00 15:54:53
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49005	.48759	.49177	24.458	.48130	2.0346	1.9952
SDev	.00227	.00442	.00396	.052	.00484	.0037	.0101
%RSD	.46368	.90597	.80512	.21235	1.0051	.18283	.50650
#1	.49166	.48447	.48897	24.422	.47788	2.0320	1.9881
#2	.48844	.49071	.49457	24.495	.48472	2.0372	2.0024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49387	98.908	2.0007	1.9863	1.9790	25.019	100.05
SDev	.00059	.372	.0056	.0024	.0077	.083	.23
%RSD	.11946	.37654	.27862	.12131	.38858	.33243	.22574
#1	.49346	98.644	1.9968	1.9846	1.9735	24.961	99.890
#2	.49429	99.171	2.0047	1.9880	1.9844	25.078	100.21
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0090	1.9664	1.9907	.98520	49.394	.97264	2.0053
SDev	.0042	.0242	.0019	.00398	.034	.00739	.0107
%RSD	.20692	1.2325	.09350	.40420	.06834	.76024	.53230
#1	2.0061	1.9493	1.9894	.98238	49.418	.97787	1.9978
#2	2.0120	1.9836	1.9920	.98801	49.370	.96741	2.0129
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.9957	1.9998	1.9488	.49245	.49041	.48837	.49089
SDev	.0101	.0055	.0218	.00490	.00207	.00425	.00129
%RSD	.50547	.27472	1.1205	.99519	.42281	.86961	.26206
#1	1.9886	1.9960	1.9334	.48899	.48894	.49137	.49180
#2	2.0029	2.0037	1.9643	.49592	.49188	.48537	.48998
rors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.48902	.48688	1.957	2.045	1.939
SDev	.00672	.00327	.007	.004	.004
%RSD	1.3736	.67147	.3434	.2099	.2099
#1	.48427	.48457	1.952	2.042	1.936
#2	.49377	.48919	1.962	2.048	1.942
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5972	--	--	--	--	--	--
SDev	11.65311	--	--	--	--	--	--
%RSD	.1951238	--	--	--	--	--	--
#1	5980	--	--	--	--	--	--
#2	5964	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 10/13/00 16:02:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00111	.00178	.00109	-.00920	.00125	.00001	.00033
SDev	.00233	.00181	.00255	.00307	.00457	.00000	.00000
%RSD	209.46	101.75	235.17	33.384	365.53	3.8181	.02677
#1	-.00054	.00307	.00289	-.00703	.00448	.00001	.00033
#2	.00276	.00050	-.00072	-.01137	-.00198	.00001	.00033
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00041	.00433	.00026	.00048	.00032	.01692	.00991
SDev	.00027	.00016	.00069	.00000	.00001	.00608	.00201
%RSD	67.237	3.8135	262.01	.01842	3.6201	35.926	20.285
#1	.00060	.00445	.00075	.00048	.00033	.01262	.01134
#2	.00021	.00422	-.00022	.00048	.00031	.02122	.00849
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00033	.00259	.00139	-.00005	.33079	-.00265	.00022
SDev	.00000	.00181	.00066	.00014	.05999	.00453	.00000
%RSD	.20532	69.893	47.312	274.86	18.135	170.91	.85605
#1	.00033	.00386	.00185	-.00015	.28837	-.00586	.00022
#2	.00033	.00131	.00092	.00005	.37321	.00055	.00022
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00002	.00114	-.00354	.00091	.00144	-.00068	.00201
SDev	.00000	.00000	.00002	.00351	.00065	.00039	.00330
%RSD	8.9430	.28339	.55177	385.17	45.048	56.926	164.18
#1	.00002	.00115	-.00356	.00339	.00190	-.00096	-.00032
#2	.00002	.00114	-.00353	-.00157	.00098	-.00041	.00435
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00190	.00362	.0010	.0002	.0011
SDev	.00209	.00168	.0014	.0001	.0005
%RSD	109.84	46.292	141.4	47.23	43.31
#1	-.00042	.00481	.0020	.0003	.0007
#2	-.00338	.00244	.0000	.0002	.0014
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6139	--	--	--	--	--	--
SDev	6.477209	--	--	--	--	--	--
%RSD	.1055013	--	--	--	--	--	--
#1	6135	--	--	--	--	--	--
#2	6144	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/13/00 18:52:26
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49209	.49466	.49591	24.554	.48176	2.0303	2.0213
SDev	.00027	.00452	.00161	.078	.00225	.0039	.0031
%RSD	.05419	.91310	.32495	.31669	.46614	.19100	.15151
#1	.49228	.49147	.49477	24.609	.48335	2.0331	2.0235
#2	.49190	.49786	.49705	24.499	.48017	2.0276	2.0191
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50232	99.882	2.0191	2.0071	1.9863	25.341	100.65
SDev	.00126	.249	.0005	.0046	.0033	.021	.27
%RSD	.25091	.24885	.02596	.22906	.16371	.08123	.26418
#1	.50321	100.06	2.0187	2.0104	1.9886	25.355	100.84
#2	.50143	99.706	2.0195	2.0039	1.9840	25.326	100.46
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0322	1.9905	2.0179	.99180	49.282	.98560	2.0206
SDev	.0004	.0205	.0053	.00215	.104	.00758	.0022
%RSD	.02181	1.0320	.26466	.21685	.21028	.76933	.10780
#1	2.0325	1.9760	2.0216	.99332	49.355	.98024	2.0221
#2	2.0319	2.0050	2.0141	.99028	49.208	.99096	2.0190
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0159	2.0251	1.9569	.49565	.49644	.49106	.49260
SDev	.0020	.0038	.0038	.00380	.00278	.00030	.00025
%RSD	.09990	.18778	.19628	.76721	.55950	.06083	.05088
#1	2.0173	2.0278	1.9542	.49296	.49841	.49128	.49278
#2	2.0145	2.0224	1.9596	.49834	.49448	.49085	.49242
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B 2496	Sr4215	Si2881

001152

Units			ppm	ppm	ppm
ge	.49153	.49623	1.959	2.056	1.931
SDev	.00412	.00883	.007	.005	.005
%RSD	.83809	1.7791	.3383	.2617	.2755
#1	.49444	.48999	1.964	2.060	1.928
#2	.48862	.50247	1.955	2.052	1.935
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6006	--	--	--	--	--	--
SDev	15.89575	--	--	--	--	--	--
%RSD	.2646592	--	--	--	--	--	--
#1	5995	--	--	--	--	--	--
#2	6017	--	--	--	--	--	--

Analysis Report QC Standard 10/13/00 07:06:19 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 10/13/00 19:00:28
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00090	Q.00618	.00151	-.00166	-.00736	.00018	.00016
SDev	.00078	.00183	.00052	.00148	.00086	.00024	.00000
%RSD	86.469	29.599	34.866	88.933	11.629	135.63	.03154
#1	.00035	.00488	.00113	-.00062	-.00797	.00035	.00016
#2	.00145	Q.00747	.00188	-.00271	-.00676	.00001	.00016
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	-.00777	.00025	-.00051	.00025	-.00014	.00704
SDev	.00001	.01579	.00010	.00140	.00000	.00592	.00196
%RSD	19.749	203.29	39.459	275.95	1.4904	4112.0	27.821
#1	-.00007	.00340	.00032	.00048	.00025	.00405	.00842
#2	-.00005	-.01893	.00018	-.00150	.00025	-.00433	.00565
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00017	.00129	-.00000	-.00005	.26763	.00348	.00023
SDev	.00023	.00000	.00000	.00028	.01017	.00464	.00000
%RSD	135.63	.10565	.00000	555.29	3.8008	133.16	.22364
#1	.00033	.00129	-.00000	-.00025	.26044	.00677	.00023
#2	.00001	.00129	-.00000	.00015	.27482	.00020	.00023
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00002	.00222	-.00034	.00267	-.00082	-.00002	.00136
SDev	.00000	.00000	.00437	.00079	.00000	.00270	.00018
%RSD	.16067	.05687	1279.2	29.521	.05757	16752.	13.474
#1	.00002	.00221	-.00343	.00211	-.00082	-.00193	.00149
#2	.00002	.00222	.00275	.00322	-.00082	.00189	.00123
rrors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00378	.00737	<.0000	.0002	.0002
SDev	.00001	.00274	.0014	.0001	.0019
%RSD	.23512	37.118	141.4	47.17	1130.
#1	.00378	.00544	<.0000	.0003	.0015
#2	.00379	.00931	.0000	.0002	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6178	--	--	--	--	--	--
SDev	1.866859	--	--	--	--	--	--
%RSD	.0302198	--	--	--	--	--	--
#1	6176	--	--	--	--	--	--
#2	6179	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLX31B-0285266 Operator: KT
Run Time: 10/13/00 19:06:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00343	.00336	.00223	.01195	-.00089	.00002	.00033
SDev	.00065	.00039	.00118	.00303	.00114	.00000	.00000
%RSD	19.015	11.621	52.622	25.394	127.98	7.4812	.05444
#1	.00389	.00308	.00306	.01409	-.00008	.00002	.00033
#2	.00297	.00364	.00140	.00980	-.00170	.00002	.00033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00018	-.01558	.00143	-.00003	.00054	.01494	.00881
SDev	.00045	.00046	.00011	.00072	.00004	.00319	.00002
%RSD	250.39	2.9819	7.7211	2739.8	7.6877	21.326	.19196
#1	.00049	-.01525	.00151	-.00054	.00057	.01720	.00879
#2	-.00014	-.01590	.00136	.00048	.00051	.01269	.00882
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00035	.00395	.00094	.00005	.55368	-.00164	.00019
SDev	.00000	.00366	.00133	.00029	.03808	.00521	.00001
%RSD	.64910	92.608	141.77	586.92	6.8777	317.75	3.0108
#1	.00035	.00136	-.00000	.00026	.52676	.00204	.00019
#2	.00034	.00653	.00188	-.00016	.58061	-.00532	.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00063	.00287	-.00070	.00259	.00152	.00393	.00318
SDev	.00000	.00077	.01337	.00177	.00002	.00012	.00103
%RSD	.31967	26.665	1901.8	68.303	.95937	2.9152	32.564
#1	-.00064	.00233	.00875	.00384	.00151	.00385	.00391
#2	-.00063	.00341	-.01016	.00134	.00153	.00402	.00245
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B 2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01069	.01037	.0000	.0000	.0235
SDev	.00202	.00160	.0000	.0000	.0012
%RSD	18.919	15.375	.0000	.0000	5.142
#1	-.00926	.00925	.0000	.0000	.0244
#2	-.01212	.01150	.0000	.0000	.0227
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6028	--	--	--	--	--	--
SDev	20.44982	--	--	--	--	--	--
%RSD	.3392685	--	--	--	--	--	--
#1	6013	--	--	--	--	--	--
#2	6042	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLX31C Operator: KT
Run Time: 10/13/00 19:12:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47625	1.8157	.47703	1.9588	1.8361	1.9955	.04877
SDev	.00263	.0130	.00024	.0081	.0119	.0102	.00022
%RSD	.55233	.71720	.04967	.41105	.64789	.51342	.46101
#1	.47439	1.8249	.47686	1.9645	1.8445	2.0027	.04893
#2	.47811	1.8065	.47720	1.9531	1.8277	1.9882	.04861
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.4000	.35000	1.6000	1.5000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04990	50.189	.20693	.50297	.24609	.99799	49.259
SDev	.00059	.022	.00318	.00089	.00090	.00463	.182
%RSD	1.1906	.04405	1.5367	.17667	.36619	.46360	.36918
#1	.05032	50.205	.20918	.50360	.24673	.99472	49.387
#2	.04948	50.173	.20468	.50234	.24546	1.0013	49.130
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50365	.98438	.49584	.04880	48.014	1.9400	1.0340
SDev	.00092	.00087	.00162	.00045	.084	.0177	.0020
%RSD	.18273	.08815	.32763	.91483	.17410	.91078	.19372
#1	.50430	.98499	.49698	.04912	48.073	1.9525	1.0355
#2	.50300	.98377	.49469	.04848	47.955	1.9275	1.0326
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49972	.48931	1.9475	.47614	.47882	.47865	.47505
SDev	.00137	.00149	.0135	.00048	.00025	.00155	.00317
%RSD	.27397	.30369	.69091	.10076	.05208	.32317	.66761
#1	.50069	.49036	1.9570	.47580	.47899	.47756	.47281
#2	.49875	.48826	1.9380	.47647	.47864	.47975	.47729
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B 2496	Sr4215	Si2881

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Units			ppm	ppm	ppm
Avge	1.7973	1.8249	.8907	.9536	2.162
SDev	.0118	.0136	.0027	.0042	.005
%RSD	.65717	.74672	.3009	.4379	.2289
#1	1.8057	1.8346	.8926	.9565	2.165
#2	1.7889	1.8153	.8888	.9506	2.158
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5990	--	--	--	--	--	--
SDev	27.74669	--	--	--	--	--	--
%RSD	.4632154	--	--	--	--	--	--
#1	5970	--	--	--	--	--	--
#2	6010	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW5C Operator: KT
Run Time: 10/13/00 19:20:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04790	.00370	.00482	223.41	.02827	1.2162	.00597
SDev	.00003	.00077	.00151	.13	.00187	.0053	.00009
%RSD	.05178	20.802	31.257	.05926	6.6131	.43921	1.4981
#1	.04788	.00425	.00375	223.50	.02959	1.2199	.00590
#2	.04791	.00316	.00588	223.32	.02695	1.2124	.00603
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00269	39.308	.23882	.11670	.16127	259.61	63.558
SDev	.00033	.007	.00102	.00062	.00025	.09	.297
%RSD	12.407	.01679	.42696	.53286	.15311	.03523	.46798
#1	-.00246	39.303	.23954	.11626	.16144	259.54	63.768
#2	-.00293	39.313	.23810	.11714	.16109	259.67	63.347
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0648	.00610	.16209	-.00354	7.2665	.01132	15.292
SDev	.0163	.00168	.00049	.00009	.0213	.00878	.002
%RSD	.32147	27.508	.30052	2.4877	.29264	77.555	.01142
#1	5.0763	.00728	.16175	-.00360	7.2815	.01753	15.291
#2	5.0533	.00491	.16244	-.00348	7.2514	.00511	15.293
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51929	.53507	.00320	.00546	.00353	.06297	.04037
SDev	.00005	.00365	.00432	.00308	.00165	.00091	.00049
%RSD	.00905	.68203	134.87	56.383	46.745	1.4468	1.2187
#1	.51926	.53765	.00015	.00329	.00469	.06361	.04002
#2	.51933	.53249	.00626	.00764	.00236	.06232	.04072
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.00088	.00599	.0394	.4362	1.767
SDev	.00332	.00050	.0002	.0019	.016
%RSD	375.43	8.4094	.4985	.4453	.8877
#1	.00146	.00563	.0395	.4376	1.778
#2	-.00323	.00635	.0393	.4348	1.756
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6219	--	--	--	--	--	--
SDev	30.99945	--	--	--	--	--	--
%RSD	.4984796	--	--	--	--	--	--
#1	6197	--	--	--	--	--	--
#2	6241	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW5CP Operator: KT
Run Time: 10/13/00 19:28:21
ment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.05017	L.01288	L.01611	220.46	L.01697	1.2254	.00639
SDev	.00319	.00065	.00283	.50	.00520	.0025	.00000
%RSD	6.3654	5.0818	17.553	.22748	30.637	.20684	.00016
#1	L.04791	L.01334	L.01811	220.81	L.02064	1.2236	.00639
#2	L.05243	L.01242	L.01411	220.11	L.01329	1.2272	.00639
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00630	39.735	.24727	.11705	.16060	267.97	65.150
SDev	.00114	.153	.00003	.00005	.00001	.44	.111
%RSD	18.134	.38516	.01242	.03923	.00390	.16468	.16964
#1	L-.00711	39.843	.24725	.11702	.16060	268.28	65.228
#2	L-.00550	39.627	.24729	.11708	.16061	267.66	65.072
rrors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.2264	L.00190	.17001	L-.00397	8.7943	L.03489	15.756
SDev	.0006	.00898	.00002	.00035	.3764	.02737	.012
%RSD	.01221	473.18	.00959	8.9366	4.2796	78.437	.07561
#1	5.2269	L.00825	.16999	L-.00372	9.0604	L.01554	15.765
#2	5.2260	L-.00445	.17002	L-.00422	8.5281	L.05425	15.748
Errors	LC Pass	LC Low	LC Pass	LC Low	NOCHECK	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.52127	.53859	L.02943	.02208	.00417	.07325	.03865
SDev	.00007	.00012	.04351	.00048	.00945	.00146	.00406
%RSD	.01341	.02205	147.81	2.1673	226.80	1.9959	10.499
#1	.52122	.53851	L.06020	.02174	.01085	.07221	.03578
#2	.52132	.53868	L-.00133	.02242	-.00252	.07428	.04152
rrors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.03278	.03568	L.0395	.4394	1.798
SDev	.00705	.00254	.0000	.0006	.043
%RSD	21.494	7.1087	.0096	.1421	2.388
#1	-.02780	.03388	L.0395	.4390	1.828
#2	-.03776	.03747	L.0395	.4399	1.767
Errors	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6197	--	--	--	--	--	--
SDev	.5942045	--	--	--	--	--	--
%RSD	.0095884	--	--	--	--	--	--
#1	6198	--	--	--	--	--	--
#2	6197	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW5CS Operator: KT
Run Time: 10/13/00 19:34:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48791	1.6524	.23705	260.55	1.7199	3.2283	.05124
SDev	.00005	.0007	.00184	.09	.0193	.0180	.00003
%RSD	.00957	.04018	.77742	.03470	1.1200	.55797	.05054
#1	.48788	1.6529	.23835	260.49	1.7335	3.2411	.05125
#2	.48795	1.6519	.23575	260.62	1.7063	3.2156	.05122
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04541	90.431	.43177	.58460	.41156	273.55	112.84
SDev	.00058	.013	.00198	.00255	.00074	.24	.38
%RSD	1.2826	.01392	.45852	.43543	.17899	.08623	.33504
#1	.04583	90.440	.43317	.58640	.41208	273.71	113.11
#2	.04500	90.422	.43037	.58280	.41104	273.38	112.58
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.0089	.87938	.61911	.04217	54.529	1.7842	18.380
SDev	.0216	.00634	.00126	.00008	.126	.0219	.008
%RSD	.35976	.72119	.20287	.18259	.23016	1.2284	.04492
#1	6.0242	.87489	.62000	.04222	54.618	1.7997	18.386
#2	5.9936	.88386	.61822	.04211	54.440	1.7687	18.374
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0237	1.0099	1.7258	.23469	.24178	.50558	.47909
SDev	.0008	.0031	.0046	.00656	.00761	.00032	.00023
%RSD	.07864	.30920	.26613	2.7960	3.1473	.06268	.04764
#1	1.0243	1.0121	1.7291	.23933	.23640	.50580	.47893
#2	1.0232	1.0077	1.7226	.23005	.24716	.50535	.47925
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001164

Units			ppm	ppm	ppm
ge	1.6440	1.6566	.8656	1.371	3.724
sDev	.0055	.0018	.0031	.007	.070
%RSD	.33683	.10680	.3575	.5373	1.893
#1	1.6479	1.6553	.8678	1.376	3.774
#2	1.6401	1.6578	.8635	1.366	3.674
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6150	--	--	--	--	--	--
SDev	31.98933	--	--	--	--	--	--
%RSD	.5201907	--	--	--	--	--	--
#1	6127	--	--	--	--	--	--
#2	6172	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW5CD Operator: KT
Run Time: 10/13/00 19:42:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48894	1.6801	.24241	248.03	1.7499	4.0015	.05173
SDev	.00236	.0008	.00001	.02	.0056	.0027	.00018
%RSD	.48336	.04627	.00428	.01001	.31779	.06743	.34106
#1	.48727	1.6807	.24242	248.01	1.7459	3.9996	.05185
#2	.49061	1.6796	.24240	248.05	1.7538	4.0034	.05160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04535	91.487	.42641	.56621	.40858	258.72	109.71
SDev	.00022	.002	.00077	.00144	.00001	.13	.16
%RSD	.49520	.00198	.18063	.25429	.00183	.05024	.14326
#1	.04551	91.486	.42587	.56519	.40857	258.82	109.59
#2	.04519	91.488	.42696	.56723	.40858	258.63	109.82
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9102	.89606	.60605	.04332	55.187	1.8271	17.580
SDev	.0053	.00598	.00077	.00015	.071	.0029	.005
%RSD	.10760	.66696	.12651	.34757	.12947	.16031	.02859
#1	4.9064	.89183	.60659	.04343	55.238	1.8251	17.584
#2	4.9139	.90029	.60550	.04321	55.137	1.8292	17.577
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.99982	.98953	1.7816	.24003	.24718	.50667	.48009
SDev	.00164	.00033	.0017	.00008	.00020	.00425	.00566
%RSD	.16391	.03375	.09646	.03425	.07923	.83881	1.1800
#1	1.0010	.98929	1.7828	.23997	.24732	.50968	.47608
#2	.99866	.98976	1.7804	.24009	.24704	.50366	.48409
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	1.6720	1.6842	.8791	1.390	2.884
SDev	.0035	.0006	.0054	.001	.025
%RSD	.20842	.03410	.6160	.0787	.8743
#1	1.6745	1.6838	.8752	1.390	2.902
#2	1.6696	1.6846	.8829	1.391	2.866
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6174	--	--	--	--	--	--
SDev	21.10030	--	--	--	--	--	--
%RSD	.3417584	--	--	--	--	--	--
#1	6159	--	--	--	--	--	--
#2	6189	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW5M Operator: KT
Run Time: 10/13/00 19:50:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06927	-.00040	.00162	143.29	.01955	.99811	.00432
SDev	.00157	.00025	.00346	.83	.00017	.00158	.00003
%RSD	2.2640	63.982	213.59	.57963	.86416	.15799	.60265
#1	.07038	-.00057	-.00083	143.87	.01967	.99923	.00434
#2	.06816	-.00022	.00406	142.70	.01943	.99700	.00430
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00079	28.995	.17286	.08556	.14078	166.94	30.934
SDev	.00077	.102	.00079	.00131	.00036	.59	.082
%RSD	96.829	.35034	.45710	1.5306	.25432	.35232	.26559
#1	-.00025	29.067	.17342	.08649	.14103	167.36	30.993
#2	-.00133	28.923	.17230	.08464	.14053	166.53	30.876
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.4133	.00553	.10284	-.00235	4.3913	.00762	11.120
SDev	.0106	.00357	.00196	.00027	.1204	.00377	.033
%RSD	.24101	64.513	1.9081	11.472	2.7418	49.416	.29690
#1	4.4208	.00805	.10145	-.00216	4.4764	.00496	11.144
#2	4.4058	.00301	.10423	-.00254	4.3061	.01029	11.097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.35049	.36945	.01126	.00163	.00159	.07880	.06452
SDev	.00038	.00313	.00870	.00506	.00025	.00280	.00095
%RSD	.10791	.84812	77.256	310.02	15.525	3.5538	1.4776
#1	.35076	.37167	.01741	-.00194	.00142	.08078	.06519
#2	.35022	.36724	.00511	.00521	.00177	.07682	.06384
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.00713	.00297	.0277	.3716	2.070
SDev	.00046	.00061	.0002	.0010	.028
%RSD	6.5114	20.613	.6175	.2729	1.346
#1	-.00680	.00253	.0278	.3723	2.089
#2	-.00746	.00340	.0275	.3709	2.050
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6202	--	--	--	--	--	--
SDev	38.29667	--	--	--	--	--	--
%RSD	.6174810	--	--	--	--	--	--
#1	6175	--	--	--	--	--	--
#2	6229	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW5N Operator: KT
Run Time: 10/13/00 19:58:53
(ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06445	L-.00628	-.00226	325.86	.02690	1.4574	.00840
SDev	.00191	.00101	.00514	.21	.00706	.0036	.00004
%RSD	2.9703	16.021	227.35	.06590	26.253	.24975	.47146
#1	.06309	L-.00699	-.00589	326.01	.03189	1.4600	.00842
#2	.06580	L-.00556	.00137	325.71	.02191	1.4548	.00837
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00225	33.724	.33045	.28115	.18744	322.39	70.188
SDev	.00057	.005	.00015	.00070	.00055	.05	.081
%RSD	25.408	.01506	.04460	.24971	.29544	.01673	.11606
#1	-.00184	33.721	.33056	.28065	.18783	322.35	70.245
#2	-.00265	33.728	.33035	.28164	.18704	322.43	70.130
rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.3808	.00222	.20624	-.00285	10.300	.01346	12.534
SDev	.0082	.00523	.00093	.00020	.004	.00178	.002
%RSD	.12892	235.86	.44902	7.0894	.03622	13.203	.01672
#1	6.3866	.00592	.20689	-.00271	10.302	.01472	12.535
#2	6.3750	-.00148	.20558	-.00299	10.297	.01221	12.532
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.61357	.59949	.00707	-.00242	-.00194	.08734	.05302
SDev	.00175	.00013	.01304	.00759	.00023	.00245	.00164
%RSD	.28485	.02164	184.38	313.50	11.726	2.8101	3.1021
#1	.61234	.59940	-.00215	-.00779	-.00210	.08561	.05185
#2	.61481	.59958	.01630	.00295	-.00178	.08908	.05418
rors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00876	-.01378	.0594	.4441	1.743
SDev	.00269	.00285	.0003	.0011	.007
%RSD	30.738	20.693	.4490	.2388	.3804
#1	.01067	-.01580	.0596	.4449	1.747
#2	.00686	-.01177	.0592	.4434	1.738
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6186	--	--	--	--	--	--
SDev	27.77500	--	--	--	--	--	--
%RSD	.4490181	--	--	--	--	--	--
#1	6166	--	--	--	--	--	--
#2	6205	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW5R Operator: KT
Run Time: 10/13/00 20:04:47
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04628	.00240	.00028	179.66	.02699	1.0652	.00542
SDev	.00307	.00227	.00320	.42	.00317	.0025	.00000
%RSD	6.6337	94.473	1161.9	.23280	11.736	.23092	.03974
#1	.04411	.00080	.00254	179.95	.02475	1.0669	.00542
#2	.04845	.00401	-.00199	179.36	.02923	1.0635	.00542
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00187	21.862	.19736	.09263	.14853	191.69	34.981
SDev	.00062	.027	.00010	.00071	.00036	.19	.102
%RSD	33.139	.12251	.04963	.76941	.24500	.09931	.29094
#1	-.00231	21.881	.19743	.09313	.14879	191.82	35.053
#2	-.00144	21.843	.19729	.09212	.14828	191.55	34.909
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.3887	.00560	.11471	-.00308	4.8328	.00755	11.789
SDev	.0080	.00355	.00006	.00007	.1071	.00324	.017
%RSD	.18222	63.407	.05110	2.3596	2.2166	42.950	.14616
#1	4.3943	.00812	.11475	-.00313	4.9086	.00985	11.801
#2	4.3830	.00309	.11467	-.00303	4.7571	.00526	11.776
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.41486	.35998	.00978	-.00061	.00206	.05743	.04072
SDev	.00111	.00093	.00001	.00494	.00029	.00068	.00426
%RSD	.26787	.25875	.13876	803.44	14.011	1.1877	10.468
#1	.41565	.36064	.00977	.00288	.00185	.05694	.03770
#2	.41408	.35932	.00979	-.00411	.00226	.05791	.04373
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.00421	.00570	.0284	.2928	2.021
SDev	.00068	.00374	.0014	.0005	.015
%RSD	16.183	65.637	4.928	.1693	.7200
#1	-.00372	.00305	.0294	.2932	2.031
#2	-.00469	.00835	.0274	.2925	2.010
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6256	--	--	--	--	--	--
SDev	3.196137	--	--	--	--	--	--
%RSD	.0510906	--	--	--	--	--	--
#1	6254	--	--	--	--	--	--
#2	6258	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW60 Operator: KT
Run Time: 10/13/00 20:12:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05126	.00040	.00495	204.55	.02595	1.0006	.00606
SDev	.00385	.00503	.00239	.26	.00277	.0034	.00001
%RSD	7.5156	1262.4	48.204	.12910	10.679	.33522	.15149
#1	.04854	-.00316	.00664	204.73	.02399	.99818	.00607
#2	.05399	.00395	.00326	204.36	.02791	1.0029	.00605
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00159	25.647	.23077	.11124	.14607	220.98	42.737
SDev	.00035	.028	.00001	.00018	.00054	.28	.129
%RSD	22.164	.10776	.00284	.15809	.36998	.12612	.30200
#1	-.00134	25.667	.23077	.11136	.14645	221.18	42.646
#2	-.00184	25.628	.23076	.11111	.14568	220.78	42.828
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.7980	.00731	.13977	-.00338	6.4505	.00812	12.745
SDev	.0183	.00177	.00041	.00000	.0458	.00140	.026
%RSD	.31539	24.163	.29334	.07806	.70929	17.287	.20308
#1	5.7851	.00606	.13948	-.00338	6.4828	.00712	12.764
#2	5.8110	.00855	.14006	-.00337	6.4181	.00911	12.727
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.45992	.41803	-.00081	.00507	.00471	.06489	.04446
SDev	.00122	.00231	.00434	.00311	.00093	.00252	.00452
%RSD	.26594	.55215	534.92	61.373	19.828	3.8771	10.167
#1	.46079	.41639	-.00388	.00727	.00537	.06311	.04127
#2	.45906	.41966	.00226	.00287	.00405	.06667	.04766
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00264	.00192	.0333	.3287	1.739
SDev	.00423	.00543	.0001	.0011	.001
%RSD	159.98	283.27	.1673	.3242	.0646
#1	-.00563	-.00192	.0333	.3280	1.738
#2	.00035	.00575	.0333	.3295	1.740
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6255	--	--	--	--	--	--
SDev	10.46539	--	--	--	--	--	--
%RSD	.1673220	--	--	--	--	--	--
#1	6247	--	--	--	--	--	--
#2	6262	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/13/00 20:20:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49086	.49118	.49314	24.378	.48337	2.0262	2.0061
SDev	.00551	.00422	.00528	.040	.00087	.0143	.0076
%RSD	1.1234	.85913	1.0709	.16217	.17932	.70717	.37746
#1	.48696	.48819	.48941	24.350	.48276	2.0160	2.0008
#2	.49476	.49416	.49688	24.406	.48398	2.0363	2.0115
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49543	99.460	2.0105	1.9947	1.9737	25.171	100.08
SDev	.00401	.306	.0113	.0146	.0048	.100	.53
%RSD	.80906	.30798	.56176	.73263	.24166	.39554	.52829
#1	.49259	99.243	2.0025	1.9844	1.9704	25.101	99.703
#2	.49826	99.677	2.0185	2.0050	1.9771	25.242	100.45
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0134	1.9728	1.9981	.98901	49.378	.97094	2.0200
SDev	.0123	.0507	.0119	.00242	.032	.00014	.0077
%RSD	.61221	2.5678	.59602	.24423	.06446	.01469	.38285
#1	2.0047	1.9369	1.9897	.98731	49.400	.97104	2.0145
#2	2.0221	2.0086	2.0065	.99072	49.355	.97084	2.0255
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0079	2.0057	1.9326	.49317	.49308	.49216	.49021
SDev	.0046	.0100	.0178	.00785	.00013	.00025	.00839
%RSD	.22718	.50033	.92290	1.5925	.02589	.05021	1.7117
#1	2.0047	1.9986	1.9200	.48762	.49299	.49234	.48428
#2	2.0111	2.0128	1.9452	.49872	.49317	.49199	.49614
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.49102	.49126	1.957	2.043	1.923
sDev	.00466	.00400	.020	.014	.015
%RSD	.94844	.81457	1.038	.6625	.7740
#1	.48772	.48843	1.943	2.033	1.912
#2	.49431	.49409	1.972	2.052	1.933
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5993	--	--	--	--	--	--
SDev	13.54828	--	--	--	--	--	--
%RSD	.2260721	--	--	--	--	--	--
#1	6002	--	--	--	--	--	--
#2	5983	--	--	--	--	--	--

Analysis Report QC Standard 10/13/00 08:34:44 PM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/13/00 20:28:53
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00039	.00006	.00283	-.01917	-.00675	.00001	.00016
SDev	.00112	.00034	.00211	.00288	.00336	.00000	.00000
%RSD	285.70	528.88	74.701	14.997	49.832	16.428	.30926
#1	.00118	.00030	.00432	-.01714	-.00437	.00001	.00016
#2	-.00040	-.00018	.00133	-.02121	-.00913	.00001	.00016
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00023	.00330	.00025	.00048	.00025	.00832	.00706
SDev	.00011	.00054	.00028	.00000	.00004	.00000	.00202
%RSD	46.734	16.423	114.47	.21077	16.249	.03841	28.672
#1	.00031	.00369	.00005	.00048	.00027	.00832	.00849
#2	.00016	.00292	.00045	.00048	.00022	.00832	.00563
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00033	.00256	.00046	-.00005	.38714	.00192	.00050
SDev	.00000	.00180	.00065	.00000	.01955	.00440	.00038
%RSD	.68211	70.464	142.13	.77992	5.0493	229.69	75.460
#1	.00033	.00384	.00092	-.00005	.40097	.00503	.00077
#2	.00033	.00129	-.00000	-.00005	.37332	-.00120	.00023
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00002	.00113	-.00036	.00353	.00142	-.00233	.00175
SDev	.00000	.00001	.01315	.00158	.00317	.00252	.00293
%RSD	18.078	.64337	3675.1	44.815	224.02	108.18	167.71
#1	.00002	.00113	-.00965	.00465	.00366	-.00410	.00382
#2	.00001	.00112	.00894	.00241	-.00083	-.00055	-.00032
rrors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00367	.00193	<.0000	.0002	.0001
SDev	.00199	.00048	.0014	.0002	.0011
%RSD	54.170	25.057	141.4	141.4	1020.
#1	-.00226	.00159	.0000	.0003	.0009
#2	-.00508	.00227	<.0000	.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6180	--	--	--	--	--	--
SDev	21.52429	--	--	--	--	--	--
%RSD	.3482838	--	--	--	--	--	--
#1	6165	--	--	--	--	--	--
#2	6195	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW61 Operator: KT
Run Time: 10/13/00 20:34:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05024	-.00106	.00413	180.04	.03589	1.2425	.00493
SDev	.00339	.00229	.00164	.70	.00453	.0050	.00003
%RSD	6.7445	216.91	39.718	.38667	12.619	.39858	.57683
#1	.04785	.00056	.00297	180.54	.03909	1.2460	.00495
#2	.05264	-.00268	.00529	179.55	.03269	1.2390	.00491
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00109	165.41	.24780	.07166	.16867	223.10	66.921
SDev	.00080	.75	.00070	.00050	.00077	.88	.244
%RSD	73.117	.45252	.28271	.69790	.45673	.39567	.36398
#1	-.00166	165.94	.24829	.07201	.16921	223.72	67.093
#2	-.00053	164.88	.24730	.07130	.16812	222.47	66.748
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1981	.00573	.14096	-.00211	23.454	.00485	11.861
SDev	.0075	.00000	.00018	.00006	.085	.00280	.040
%RSD	.34287	.06732	.12500	2.8544	.36184	57.855	.33912
#1	2.2035	.00573	.14109	-.00207	23.514	.00683	11.890
#2	2.1928	.00574	.14084	-.00215	23.394	.00286	11.833
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.38967	.49310	.01544	.00552	.00136	.06367	.04354
SDev	.00096	.00146	.00890	.00296	.00101	.00278	.00369
%RSD	.24633	.29574	57.658	53.709	74.357	4.3693	8.4786
#1	.39035	.49414	.00914	.00342	.00207	.06170	.04093
#2	.38899	.49207	.02173	.00761	.00064	.06564	.04615
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00403	.00043	.0882	1.397	1.745
SDev	.00482	.00103	.0020	.005	.018
%RSD	119.83	240.57	2.223	.3798	1.011
#1	-.00061	.00115	.0896	1.400	1.757
#2	-.00744	-.00030	.0869	1.393	1.732
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6040	--	--	--	--	--	--
SDev	36.11872	--	--	--	--	--	--
%RSD	.5979783	--	--	--	--	--	--
#1	6015	--	--	--	--	--	--
#2	6066	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW63 Operator: KT
Run Time: 10/13/00 20:42:50
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13393	.00252	.00478	154.91	.04114	.80665	.00431
SDev	.00055	.00006	.00176	.16	.00071	.00366	.00002
%RSD	.40863	2.4212	36.794	.10187	1.7159	.45389	.46203
#1	.13354	.00248	.00354	155.02	.04064	.80924	.00432
#2	.13432	.00256	.00603	154.80	.04164	.80406	.00429
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00278	51.249	.57260	.08976	.96146	220.73	64.447
SDev	.00024	.035	.00220	.00015	.00211	.08	.257
%RSD	8.7314	.06911	.38423	.16816	.21926	.03442	.39900
#1	.00295	51.224	.57415	.08965	.96295	220.68	64.629
#2	.00261	51.274	.57104	.08986	.95997	220.79	64.265
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.8690	.03249	.53747	-.00213	6.6683	.01320	13.693
SDev	.0106	.00185	.00064	.00022	.0480	.00266	.019
%RSD	.36808	5.6774	.11903	10.543	.72017	20.163	.13586
#1	2.8764	.03380	.53793	-.00229	6.7023	.01132	13.706
#2	2.8615	.03119	.53702	-.00197	6.6344	.01508	13.680
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.41320	1.2334	.06152	.00549	.00337	.14682	.12749
SDev	.00115	.0039	.00466	.00126	.00277	.00209	.00186
%RSD	.27881	.31301	7.5684	22.926	82.011	1.4226	1.4615
#1	.41402	1.2362	.06481	.00460	.00142	.14830	.12617
#2	.41239	1.2307	.05822	.00638	.00533	.14534	.12881
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.00237	.00496	.1441	.3775	2.659
sDev	.00159	.00070	.0035	.0012	.014
%RSD	66.800	14.117	2.442	.3287	.5105
#1	-.00350	.00546	.1417	.3784	2.669
#2	-.00125	.00447	.1466	.3766	2.650
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6162	--	--	--	--	--	--
SDev	29.81173	--	--	--	--	--	--
%RSD	.4838216	--	--	--	--	--	--
#1	6141	--	--	--	--	--	--
#2	6183	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW69 Operator: KT
Run Time: 10/13/00 20:50:53
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12922	-.00199	.00175	233.42	.03337	1.4251	.00628
SDev	.00178	.00468	.00277	6.11	.00360	.0315	.00014
%RSD	1.3795	236.00	158.70	2.6176	10.791	2.2091	2.1518
#1	.13048	.00133	.00371	237.74	.03592	1.4473	.00637
#2	.12796	L-.00530	-.00021	229.10	.03082	1.4028	.00618
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00181	64.385	.29718	.10474	.29097	275.00	80.520
SDev	.00005	1.470	.00690	.00157	.00718	6.53	1.737
%RSD	3.0066	2.2827	2.3216	1.5012	2.4679	2.3749	2.1576
#1	.00185	65.425	.30206	.10585	.29605	279.62	81.749
#2	.00177	63.346	.29231	.10363	.28589	270.38	79.292
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8895	.00606	.21087	-.00280	7.0723	.00788	16.529
SDev	.0815	.00019	.00678	.00006	.2003	.00431	.416
%RSD	2.0966	3.1923	3.2135	2.2730	2.8317	54.744	2.5191
#1	3.9472	.00619	.21567	-.00284	7.2139	.00483	16.823
#2	3.8319	.00592	.20608	-.00275	6.9307	.01093	16.234
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.58821	.75465	.02098	.00236	.00053	.14447	.12160
SDev	.01383	.01643	.00430	.00413	.00006	.00114	.00324
%RSD	2.3519	2.1768	20.523	175.21	10.578	.79110	2.6670
#1	.59799	.76626	.01793	.00528	.00057	.14366	.12390
#2	.57842	.74303	.02402	-.00056	.00049	.14528	.11931
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.00803	.00104	.0531	.5406	3.197
sDev	.00409	.00498	.0026	.0117	.073
%RSD	50.875	481.42	4.944	2.168	2.284
#1	-.00514	.00456	.0549	.5489	3.248
#2	-.01092	-.00249	.0512	.5323	3.145
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6119	--	--	--	--	--	--
SDev	139.3567	--	--	--	--	--	--
%RSD	2.277285	--	--	--	--	--	--
#1	6021	--	--	--	--	--	--
#2	6218	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW6C Operator: KT
Run Time: 10/13/00 20:58:55
(ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03901	-.00334	.00115	140.06	.04039	.63682	.00442
SDev	.00096	.00162	.00162	3.29	.00075	.01701	.00009
%RSD	2.4625	48.367	141.43	2.3506	1.8436	2.6712	2.0670
#1	.03833	-.00448	.00229	137.73	.04091	.62479	.00436
#2	.03969	-.00220	-.00000	142.39	.03986	.64885	.00449
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00103	37.267	.27169	.07044	.12819	219.82	63.760
SDev	.00004	1.045	.00684	.00155	.00296	5.71	1.759
%RSD	3.6831	2.8052	2.5170	2.1996	2.3124	2.5966	2.7585
#1	-.00100	36.528	.26685	.06934	.12609	215.79	62.517
#2	-.00105	38.006	.27653	.07153	.13028	223.86	65.004
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5289	.01179	.15444	-.00213	4.7073	.00433	14.537
SDev	.0694	.00148	.00425	.00017	.0313	.00517	.366
%RSD	2.7456	12.577	2.7519	7.8844	.66570	119.52	2.5143
#1	2.4798	.01284	.15144	-.00225	4.6851	.00799	14.279
#2	2.5780	.01074	.15745	-.00202	4.7294	.00067	14.796
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.41806	.51611	.00267	.00006	.00333	.05381	.03162
SDev	.01440	.01428	.00031	.00329	.00173	.00355	.00033
%RSD	3.4448	2.7673	11.741	5925.3	51.930	6.5952	1.0489
#1	.40788	.50601	.00289	.00238	.00211	.05130	.03185
#2	.42824	.52621	.00245	-.00227	.00455	.05632	.03138
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.01371	.00184	.0327	.3376	1.615
SDev	.00911	.00213	.0008	.0092	.043
%RSD	66.428	115.67	2.317	2.709	2.685
#1	-.02015	.00334	.0322	.3311	1.585
#2	-.00727	.00033	.0332	.3441	1.646
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5994	--	--	--	--	--	--
SDev	138.8757	--	--	--	--	--	--
%RSD	2.316881	--	--	--	--	--	--
#1	6092	--	--	--	--	--	--
#2	5896	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW6D Operator: KT
Run Time: 10/13/00 21:06:57
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03264	-.00287	-.00172	119.38	.02416	.64003	.00339
SDev	.00035	.00158	.00067	.37	.00495	.00027	.00013
%RSD	1.0670	55.081	39.260	.31142	20.481	.04176	3.8963
#1	.03239	-.00399	-.00124	119.64	.02066	.64022	.00349
#2	.03288	-.00175	-.00219	119.12	.02766	.63984	.00330
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00181	34.224	.21509	.06649	.09349	187.46	57.174
SDev	.00064	.008	.00052	.00111	.00062	.14	.071
%RSD	35.529	.02423	.23980	1.6621	.66733	.07531	.12426
#1	-.00136	34.229	.21473	.06570	.09393	187.56	57.225
#2	-.00227	34.218	.21546	.06727	.09304	187.36	57.124
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3239	.00380	.13276	-.00201	4.1847	.00461	13.137
SDev	.0029	.00175	.00149	.00042	.0645	.00502	.019
%RSD	.12679	46.132	1.1245	20.921	1.5425	108.81	.14362
#1	2.3218	.00504	.13170	-.00171	4.2303	.00816	13.150
#2	2.3259	.00256	.13381	-.00230	4.1391	.00106	13.124
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.34911	.43693	.01349	-.00207	-.00100	.04153	.02819
SDev	.00151	.00083	.00434	.00240	.00278	.00201	.00048
%RSD	.43346	.18926	32.133	115.81	277.72	4.8455	1.7119
#1	.34804	.43752	.01043	-.00038	-.00297	.04011	.02853
#2	.35018	.43635	.01656	-.00377	.00097	.04296	.02785
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.00809	-.00027	.0247	.2655	2.555
sDev	.00224	.00126	.0013	.0002	.007
%RSD	27.696	461.43	5.314	.0804	.2642
#1	-.00967	-.00116	.0238	.2656	2.550
#2	-.00650	.00062	.0256	.2653	2.560
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6199	--	--	--	--	--	--
SDev	21.29814	--	--	--	--	--	--
%RSD	.3435904	--	--	--	--	--	--
#1	6184	--	--	--	--	--	--
#2	6214	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW6E Operator: KT
Run Time: 10/13/00 21:14:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04958	-.00053	.00121	185.34	.02239	1.2195	.00555
SDev	.00074	.00336	.00041	1.22	.00187	.0002	.00003
%RSD	1.4979	631.73	33.546	.65958	8.3524	.01805	.47143
#1	.04906	.00184	.00150	186.20	.02106	1.2194	.00557
#2	.05011	-.00290	.00093	184.47	.02371	1.2197	.00554
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00193	29.115	.20823	.09829	.16031	206.33	42.427
SDev	.00009	.165	.00117	.00045	.00116	1.14	.024
%RSD	4.8118	.56576	.56025	.45424	.72137	.55378	.05745
#1	-.00199	29.232	.20905	.09861	.16113	207.14	42.444
#2	-.00186	28.999	.20740	.09798	.15950	205.53	42.410
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9785	.00464	.13785	-.00273	5.1020	.01294	12.249
SDev	.0002	.00357	.00198	.00022	.0231	.00522	.085
%RSD	.00414	76.772	1.4403	8.1009	.45208	40.362	.69209
#1	4.9786	.00717	.13926	-.00289	5.1183	.01663	12.309
#2	4.9783	.00212	.13645	-.00258	5.0857	.00925	12.189
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.42844	.41473	.01219	.00276	-.00188	.06239	.04319
SDev	.00307	.00136	.00427	.00045	.00033	.00475	.00126
%RSD	.71756	.32749	34.999	16.161	17.527	7.6106	2.9100
#1	.43061	.41569	.01521	.00307	-.00165	.05903	.04408
#2	.42627	.41377	.00917	.00244	-.00211	.06574	.04230
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.00703	.00271	.0332	.3689	2.113
sDev	.00328	.00340	.0002	.0001	.020
%RSD	46.607	125.17	.5099	.0198	.9484
#1	-.00471	.00511	.0333	.3689	2.127
#2	-.00935	.00031	.0330	.3690	2.099
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6280	--	--	--	--	--	--
SDev	32.01764	--	--	--	--	--	--
%RSD	.5098578	--	--	--	--	--	--
#1	6257	--	--	--	--	--	--
#2	6302	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW6F Operator: KT
Run Time: 10/13/00 21:23:01
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04365	-.00300	.00213	170.94	.02605	2.8208	.00521
SDev	.00246	.00433	.00083	.12	.00023	.0022	.00002
%RSD	5.6297	144.15	39.084	.06929	.89343	.07698	.31581
#1	.04191	L-.00607	.00154	170.85	.02622	2.8223	.00522
#2	.04539	.00006	.00272	171.02	.02589	2.8193	.00520
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00164	32.430	.20460	.10360	.16286	204.83	45.281
SDev	.00046	.034	.00058	.00183	.00003	.27	.063
%RSD	28.118	.10530	.28173	1.7702	.01778	.13424	.13929
#1	-.00196	32.406	.20501	.10489	.16284	204.64	45.326
#2	-.00131	32.455	.20419	.10230	.16288	205.02	45.236
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4320	.00579	.14627	-.00292	3.7355	.00904	12.234
SDev	.0016	.00183	.00047	.00013	.0303	.00258	.014
%RSD	.02914	31.564	.32107	4.4983	.81113	28.479	.11325
#1	5.4309	.00450	.14660	-.00283	3.7140	.00722	12.225
#2	5.4331	.00708	.14594	-.00301	3.7569	.01086	12.244
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.41409	.42775	.00635	.00355	-.00072	.05794	.03651
SDev	.00005	.00073	.00425	.00249	.00249	.00377	.00180
%RSD	.01170	.17152	67.031	70.130	346.62	6.5067	4.9350
#1	.41412	.42723	.00334	.00179	.00104	.05527	.03524
#2	.41406	.42827	.00935	.00531	-.00248	.06061	.03779
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00379	-.00261	.0253	.4471	2.166
SDev	.00150	.00574	.0001	.0002	.009
%RSD	39.585	219.90	.3211	.0395	.3987
#1	-.00485	-.00667	.0253	.4472	2.172
#2	-.00273	.00145	.0252	.4470	2.160
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6308	--	--	--	--	--	--
SDev	20.25164	--	--	--	--	--	--
%RSD	.3210652	--	--	--	--	--	--
#1	6293	--	--	--	--	--	--
#2	6322	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW6G Operator: KT
Run Time: 10/13/00 21:31:03
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1163	-.00120	.00271	218.74	.04155	1.6697	.00678
SDev	.0065	.00351	.00250	.24	.00210	.0011	.00011
%RSD	.20869	293.26	92.575	.10941	5.0553	.06292	1.5642
#1	3.1117	-.00368	.00093	218.57	.04304	1.6704	.00671
#2	3.1209	.00129	.00448	218.91	.04007	1.6689	.00686
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	59.276	.26648	.12520	.23228	272.66	72.743
SDev	.00013	.143	.00086	.00040	.00012	.39	.033
%RSD	446.55	.24115	.32293	.31777	.05189	.14448	.04478
#1	-.00006	59.175	.26587	.12492	.23236	272.38	72.720
#2	.00012	59.377	.26708	.12548	.23219	272.94	72.766
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3309	.00505	.19319	-.00183	8.8235	.00584	8.2643
SDev	.0129	.00169	.00099	.00007	.0406	.00085	.0134
%RSD	.24107	33.466	.51020	3.8913	.46005	14.632	.16232
#1	5.3218	.00625	.19389	-.00188	8.8522	.00524	8.2549
#2	5.3400	.00385	.19250	-.00178	8.7948	.00645	8.2738
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49018	1.1359	.01733	.00280	.00252	3.1324	3.1082
SDev	.00044	.0039	.00435	.00455	.00160	.0123	.0159
%RSD	.09006	.34305	25.101	162.70	63.450	.39228	.51107
#1	.48987	1.1331	.02041	-.00042	.00365	3.1411	3.0970
#2	.49050	1.1386	.01426	.00602	.00139	3.1237	3.1195
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.00126	-.00116	.0332	.5619	1.575
SDev	.00006	.00523	.0001	.0001	.002
%RSD	5.0612	449.37	.1774	.0134	.1164
#1	-.00131	-.00487	.0333	.5620	1.576
#2	-.00122	.00254	.0332	.5619	1.574
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6264	--	--	--	--	--	--
SDev	11.11552	--	--	--	--	--	--
%RSD	.1774413	--	--	--	--	--	--
#1	6256	--	--	--	--	--	--
#2	6272	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLW6J Operator: KT
Run Time: 10/13/00 21:39:05
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05396	L-.00637	.00421	233.13	.03516	1.7432	.00690
SDev	.00116	.00451	.00078	.66	.00084	.0029	.00000
%RSD	2.1502	70.814	18.477	.28493	2.3776	.16650	.01254
#1	.05314	L-.00956	.00476	233.60	.03575	1.7412	.00690
#2	.05478	-.00318	.00366	232.66	.03457	1.7453	.00689
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00236	37.126	.25819	.10965	.18405	259.69	58.076
SDev	.00031	.080	.00036	.00004	.00031	.51	.074
%RSD	13.251	.21458	.13979	.03734	.16755	.19572	.12790
#1	-.00258	37.182	.25794	.10962	.18427	260.04	58.023
#2	-.00214	37.069	.25845	.10967	.18383	259.33	58.128
rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4587	.00655	.18734	-.00328	6.8190	.01030	13.853
SDev	.0055	.00526	.00065	.00000	.0482	.00996	.021
%RSD	.10076	80.439	.34641	.01229	.70720	96.686	.15435
#1	5.4548	.01027	.18780	-.00328	6.7849	.01734	13.868
#2	5.4625	.00282	.18688	-.00328	6.8531	.00326	13.838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.52352	.49344	.01543	.00602	.00057	.06882	.04655
SDev	.00002	.00078	.00426	.00054	.00125	.00131	.00109
%RSD	.00362	.15818	27.634	9.0335	217.23	1.8972	2.3370
#1	.52353	.49289	.01241	.00641	.00145	.06789	.04578
#2	.52351	.49400	.01844	.00564	-.00031	.06974	.04732
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00530	-.00691	.0365	.5125	2.097
SDev	.00546	.00404	.0000	.0009	.004
%RSD	102.98	58.494	.0089	.1681	.1812
#1	-.00916	-.00976	.0366	.5118	2.100
#2	-.00144	-.00405	.0365	.5131	2.094
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6369	--	--	--	--	--	--
SDev	.5655474	--	--	--	--	--	--
%RSD	.0088799	--	--	--	--	--	--
#1	6368	--	--	--	--	--	--
#2	6369	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW6L Operator: KT
Run Time: 10/13/00 21:45:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12360	-.00391	.00637	215.51	.04762	1.5688	.00665
SDev	.00175	.00275	.00012	.24	.00521	.0006	.00016
%RSD	1.4177	70.344	1.8509	.11071	10.939	.03900	2.4004
#1	.12236	L-.00586	.00645	215.34	.05130	1.5683	.00676
#2	.12484	-.00197	.00629	215.68	.04393	1.5692	.00653
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00129	37.998	.25878	.12195	.22254	248.95	47.358
SDev	.00061	.025	.00047	.00087	.00048	.02	.007
%RSD	46.945	.06575	.18301	.71297	.21693	.00723	.01500
#1	-.00086	37.980	.25845	.12257	.22288	248.94	47.363
#2	-.00172	38.016	.25912	.12134	.22220	248.97	47.353
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.4095	.00626	.17687	-.00284	6.7630	.00787	10.505
SDev	.0063	.00011	.00155	.00008	.1049	.00446	.002
%RSD	.09858	1.6928	.87478	2.9384	1.5504	56.648	.01727
#1	6.4050	.00619	.17577	-.00290	6.8372	.00472	10.507
#2	6.4139	.00634	.17796	-.00278	6.6889	.01103	10.504
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.52094	.57292	.00815	.00752	.00407	.13955	.11564
SDev	.00094	.00170	.01732	.00044	.00053	.00171	.00178
%RSD	.18121	.29693	212.60	5.9025	13.159	1.2224	1.5354
#1	.52027	.57171	-.00410	.00783	.00369	.13834	.11438
#2	.52161	.57412	.02040	.00721	.00444	.14075	.11689
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00878	-.00148	.0365	.4877	2.139
ıDev	.00165	.00330	.0012	.0001	.009
%RSD	18.844	222.85	3.232	.0285	.4011
#1	-.00995	-.00381	.0356	.4876	2.145
#2	-.00761	.00085	.0373	.4878	2.133
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6214	--	--	--	--	--	--
SDev	36.71293	--	--	--	--	--	--
%RSD	.5907719	--	--	--	--	--	--
#1	6188	--	--	--	--	--	--
#2	6240	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/13/00 21:53:02
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49175	.49722	.49528	24.409	.48761	2.0261	2.0132
SDev	.00237	.00106	.00049	.024	.00458	.0030	.0002
%RSD	.48258	.21363	.09977	.09771	.93825	.14798	.01046
#1	.49343	.49646	.49493	24.426	.49085	2.0282	2.0134
#2	.49007	.49797	.49563	24.392	.48438	2.0240	2.0131
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49683	99.621	2.0114	1.9980	1.9809	25.216	100.01
SDev	.00327	.044	.0010	.0001	.0012	.038	.18
%RSD	.65737	.04367	.04752	.00635	.06188	.14978	.18297
#1	.49914	99.652	2.0121	1.9981	1.9818	25.243	100.14
#2	.49452	99.591	2.0107	1.9979	1.9801	25.189	99.879
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0133	1.9775	2.0022	.98942	49.469	.97357	2.0139
SDev	.0000	.0269	.0051	.00004	.115	.01063	.0011
%RSD	.00049	1.3580	.25492	.00430	.23188	1.0914	.05280
#1	2.0133	1.9585	2.0058	.98945	49.550	.96605	2.0132
#2	2.0133	1.9964	1.9986	.98939	49.388	.98108	2.0147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0099	2.0068	1.9316	.49599	.49384	.49276	.49124
SDev	.0007	.0021	.0222	.00220	.00588	.00633	.00040
%RSD	.03714	.10470	1.1469	.44277	1.1912	1.2853	.08058
#1	2.0094	2.0083	1.9472	.49755	.48968	.49724	.49152
#2	2.0104	2.0053	1.9159	.49444	.49800	.48828	.49096
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001200

Units			ppm	ppm	ppm
vge	.49461	.49852	1.950	2.042	1.924
SDev	.00547	.00114	.001	.003	.003
%RSD	1.1051	.22793	.0734	.1335	.1395
#1	.49074	.49932	1.949	2.044	1.926
#2	.49847	.49772	1.951	2.040	1.923
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6026	--	--	--	--	--	--
SDev	13.35009	--	--	--	--	--	--
%RSD	.2215445	--	--	--	--	--	--
#1	6016	--	--	--	--	--	--
#2	6035	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/13/00 22:01:04
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	.00252	.00106	-.01023	.00030	.00001	.00016
SDev	.00069	.00022	.00139	.00190	.00236	.00000	.00000
%RSD	970.66	8.9125	131.16	18.548	777.43	15.059	.42140
#1	-.00056	.00236	.00008	-.00889	-.00137	.00001	.00016
#2	.00042	.00268	.00205	-.01157	.00197	.00000	.00016
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00056	.00229	.00065	.00048	.00017	.01045	.00974
SDev	.00010	.00034	.00010	.00000	.00059	.00300	.00197
%RSD	18.363	15.043	15.810	.18546	344.62	28.702	20.263
#1	.00048	.00253	.00072	.00048	.00059	.01257	.01113
#2	.00063	.00205	.00057	.00048	-.00025	.00833	.00834
'rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
,alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00017	.00379	-.00000	-.00000	.27550	.00472	.00051
SDev	.00023	.00001	.00000	.00021	.03992	.00244	.00038
%RSD	137.80	.30376	.00000	38302.	14.491	51.731	74.038
#1	.00033	.00380	-.00000	.00015	.30374	.00299	.00078
#2	.00000	.00378	-.00000	-.00015	.24727	.00644	.00024
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00031	.00111	-.00330	-.00010	.00338	-.00009	-.00006
SDev	.00046	.00001	.00004	.00287	.00158	.00171	.00018
%RSD	147.45	.62605	1.2486	2937.2	46.557	1922.9	290.64
#1	.00001	.00111	-.00333	-.00213	.00450	-.00130	-.00019
#2	-.00063	.00110	-.00327	.00193	.00227	.00112	.00007
rrors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00147	.00451	<.0000	.0002	<.0000
SDev	.00077	.00005	.0000	.0001	.0022
%RSD	52.694	1.0999	.2228	47.34	126.7
#1	-.00201	.00454	<.0000	.0003	<.0000
#2	-.00092	.00447	<.0000	.0002	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6221	--	--	--	--	--	--
SDev	13.85936	--	--	--	--	--	--
%RSD	.2228007	--	--	--	--	--	--
#1	6211	--	--	--	--	--	--
#2	6230	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW6M Operator: KT
Run Time: 10/13/00 22:06:59
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04847	-.00149	.00498	176.28	.02824	1.7187	.00564
SDev	.00099	.00133	.00543	.29	.00047	.0026	.00002
%RSD	2.0457	89.022	109.11	.16601	1.6717	.14922	.42762
#1	.04918	-.00055	.00114	176.49	.02790	1.7205	.00566
#2	.04777	-.00243	.00881	176.08	.02857	1.7169	.00563
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00168	32.499	.21146	.09885	.16993	207.39	43.791
SDev	.00027	.016	.00053	.00051	.00074	.14	.070
%RSD	15.833	.04891	.25115	.51527	.43475	.06513	.15927
#1	-.00187	32.511	.21184	.09921	.17045	207.49	43.840
#2	-.00149	32.488	.21109	.09849	.16941	207.30	43.742
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1701	.00496	.15293	-.00273	4.1971	-.00015	11.644
SDev	.0088	.00343	.00065	.00020	.0239	.00072	.011
%RSD	.16988	69.166	.42285	7.2036	.56935	487.65	.09744
#1	5.1763	.00738	.15339	-.00259	4.1802	-.00066	11.652
#2	5.1639	.00253	.15247	-.00286	4.2140	.00036	11.636
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.42619	.39742	.00637	.00687	.00117	.06124	.04210
SDev	.00037	.00106	.00424	.00741	.00146	.00070	.00113
%RSD	.08761	.26608	66.487	107.77	124.80	1.1491	2.6969
#1	.42593	.39817	.00937	.00164	.00014	.06174	.04290
#2	.42645	.39667	.00338	.01211	.00221	.06075	.04130
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00860	.00206	.0260	.4401	2.084
SDev	.00086	.00242	.0013	.0008	.000
%RSD	9.9762	117.43	4.816	.1910	.0082
#1	-.00921	.00377	.0251	.4407	2.084
#2	-.00800	.00035	.0269	.4395	2.085
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6368	--	--	--	--	--	--
SDev	26.92668	--	--	--	--	--	--
%RSD	.4228409	--	--	--	--	--	--
#1	6349	--	--	--	--	--	--
#2	6387	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW6P Operator: KT
Run Time: 10/13/00 22:17:05
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05129	L-.01168	.00053	227.17	.03073	1.5570	.00615
SDev	.00020	.00762	.00198	.07	.00909	.0068	.00010
%RSD	.38443	65.197	375.93	.03226	29.573	.43877	1.5669
#1	.05143	L-.00630	-.00087	227.22	.02430	1.5619	.00608
#2	.05115	L-.01707	.00193	227.11	.03715	1.5522	.00622
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00110	106.02	.25072	.10189	.18495	279.66	83.628
SDev	.00002	.16	.00057	.00120	.00014	.36	.288
%RSD	1.3754	.15478	.22841	1.1828	.07304	.13003	.34398
#1	-.00111	106.14	.25113	.10274	.18486	279.92	83.831
#2	-.00109	105.91	.25032	.10103	.18505	279.40	83.424
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
ıigh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.2148	.00424	.18862	-.00260	10.002	.00757	16.165
SDev	.0132	.00353	.00059	.00013	.052	.00190	.010
%RSD	.31432	83.190	.31334	5.0637	.52234	25.103	.05938
#1	4.2242	.00674	.18820	-.00251	10.039	.00622	16.172
#2	4.2055	.00175	.18903	-.00269	9.9647	.00891	16.159
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.54359	.58590	-.00071	.00183	-.00209	.07059	.04165
SDev	.00018	.00078	.00001	.00206	.00183	.00280	.00110
%RSD	.03384	.13382	1.9239	112.35	87.627	3.9612	2.6425
#1	.54346	.58645	-.00072	.00038	-.00338	.07257	.04087
#2	.54372	.58534	-.00070	.00329	-.00079	.06862	.04242
ırrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01519	-.00993	.0465	.7921	1.890
SDev	.01246	.00520	.0012	.0033	.005
%RSD	82.014	52.349	2.633	.4207	.2423
#1	-.00638	-.00625	.0456	.7944	1.893
#2	-.02400	-.01360	.0474	.7897	1.887
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6190	--	--	--	--	--	--
SDev	23.30621	--	--	--	--	--	--
%RSD	.3765237	--	--	--	--	--	--
#1	6173	--	--	--	--	--	--
#2	6206	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW6V Operator: KT
Run Time: 10/13/00 22:23:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04762	-.00330	.00463	247.17	.03989	2.8807	.00657
SDev	.00131	.00275	.00174	.91	.00286	.0039	.00011
%RSD	2.7484	83.499	37.566	.36819	7.1589	.13647	1.7336
#1	.04670	-.00135	.00586	246.53	.03787	2.8780	.00665
#2	.04855	L-.00524	.00340	247.82	.04191	2.8835	.00649
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00193	67.643	.27499	.09360	.17474	281.98	74.465
SDev	.00089	.232	.00015	.00142	.00015	.92	.096
%RSD	46.020	.34249	.05415	1.5136	.08472	.32618	.12957
#1	-.00130	67.479	.27509	.09460	.17485	281.33	74.396
#2	-.00256	67.806	.27488	.09260	.17464	282.63	74.533
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9032	.00652	.18968	-.00293	8.4148	.01628	14.811
SDev	.0056	.00164	.00010	.00007	.0056	.00444	.056
%RSD	.14439	25.161	.05151	2.3786	.06696	27.262	.37617
#1	3.8992	.00768	.18961	-.00288	8.4108	.01314	14.771
#2	3.9072	.00536	.18975	-.00298	8.4188	.01942	14.850
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.55017	.58334	.00827	.00811	-.00234	.06499	.03895
SDev	.00243	.00093	.00415	.00047	.00427	.00112	.00140
%RSD	.44234	.15883	50.158	5.8583	182.48	1.7300	3.5968
#1	.54844	.58268	.00534	.00845	.00068	.06420	.03796
#2	.55189	.58399	.01120	.00777	-.00536	.06579	.03994
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00293	-.00348	.0477	.6768	1.825
SDev	.00474	.00176	.0000	.0008	.004
%RSD	161.77	50.534	.0515	.1179	.2377
#1	.00042	-.00223	.0477	.6763	1.828
#2	-.00629	-.00472	.0477	.6774	1.822
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6425	--	--	--	--	--	--
SDev	3.309384	--	--	--	--	--	--
%RSD	.0515042	--	--	--	--	--	--
#1	6428	--	--	--	--	--	--
#2	6423	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW3P Operator: KT
Run Time: 10/13/00 22:31:02
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00399	.00020	.00926	8.0016	.22975	.16096	.00071
SDev	.00202	.00213	.00064	.0056	.00300	.00020	.00000
%RSD	50.680	1056.8	6.9199	.06995	1.3078	.12765	.19933
#1	.00542	.00170	.00971	7.9976	.22763	.16110	.00071
#2	.00256	-.00130	.00880	8.0055	.23188	.16081	.00071
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00066	61.598	.00824	.00376	.01401	8.6281	19.249
SDev	.00033	.091	.00003	.00001	.00008	.0084	.031
%RSD	49.701	.14698	.37415	.38547	.55152	.09792	.16175
#1	.00089	61.534	.00827	.00377	.01407	8.6341	19.227
#2	.00043	61.663	.00822	.00375	.01396	8.6222	19.271
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.26216	.00711	.00816	.00008	1607.6	-.00063	.57927
SDev	.00028	.00209	.00075	.00008	1.9	.00272	.00006
%RSD	.10641	29.444	9.1271	101.33	.11562	430.94	.00976
#1	.26196	.00563	.00763	.00014	1606.2	-.00256	.57923
#2	.26236	.00858	.00869	.00002	1608.9	.00129	.57931
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.03975	.03246	.00001	.00955	.00867	.00488	.00355
SDev	.00042	.00011	.01026	.00132	.00072	.00498	.00054
%RSD	1.0547	.34401	185470.	13.838	8.3496	102.26	15.307
#1	.03945	.03254	.00726	.01049	.00816	.00840	.00393
#2	.04005	.03238	-.00725	.00862	.00918	.00135	.00316
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00529	.00294	5.546	.6927	1.409
SDev	.00238	.00200	.026	.0012	.005
%RSD	44.997	67.890	.4712	.1731	.3365
#1	-.00361	.00436	5.527	.6919	1.413
#2	-.00698	.00153	5.564	.6936	1.406
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5233	--	--	--	--	--	--
SDev	15.95237	--	--	--	--	--	--
%RSD	.3048278	--	--	--	--	--	--
#1	5222	--	--	--	--	--	--
#2	5245	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLW45 Operator: KT
Run Time: 10/13/00 22:39:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00588	.00190	.00695	8.4381	.23432	.20429	.00069
SDev	.00050	.00202	.00330	.0161	.00713	.00065	.00028
%RSD	8.4904	106.68	47.406	.19090	3.0431	.32043	40.050
#1	.00553	.00047	.00462	8.4495	.23936	.20476	.00089
#2	.00623	.00333	.00928	8.4267	.22928	.20383	.00050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00050	79.497	.01081	.00642	.02327	9.5702	22.648
SDev	.00027	.038	.00118	.00084	.00048	.0086	.045
%RSD	54.767	.04737	10.908	13.070	2.0651	.08942	.19920
#1	.00069	79.524	.01164	.00701	.02361	9.5642	22.680
#2	.00031	79.470	.00998	.00583	.02293	9.5763	22.616
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.37152	.00847	.01006	.00030	1631.9	.00998	.60160
SDev	.00014	.00416	.00229	.00041	.6	.00502	.00036
%RSD	.03824	49.088	22.779	135.98	.03476	50.276	.05970
#1	.37141	.01141	.01169	.00059	1632.3	.00643	.60135
#2	.37162	.00553	.00844	.00001	1631.5	.01353	.60186
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.04346	.07745	.01455	.00664	.00757	.00824	.00471
SDev	.00021	.00036	.01003	.00480	.00029	.00265	.00207
%RSD	.47696	.46820	68.936	72.192	3.8180	32.223	44.073
#1	.04361	.07771	.02165	.00325	.00736	.01011	.00324
#2	.04332	.07719	.00746	.01004	.00777	.00636	.00617
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00255	.00157	5.616	.7107	3.857
SDev	.00391	.00499	.016	.0007	.004
%RSD	153.22	317.72	.2898	.0971	.0980
#1	.00532	-.00196	5.604	.7112	3.854
#2	-.00021	.00510	5.627	.7102	3.860
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5377	--	--	--	--	--	--
SDev	24.52224	--	--	--	--	--	--
%RSD	.4560190	--	--	--	--	--	--
#1	5360	--	--	--	--	--	--
#2	5395	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/13/00 22:47:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49205	.48917	.49272	24.457	.48466	2.0317	2.0228
SDev	.00131	.00374	.00590	.002	.00229	.0005	.0007
%RSD	.26688	.76412	1.1970	.00930	.47277	.02491	.03301
#1	.49112	.48652	.48855	24.459	.48304	2.0321	2.0223
#2	.49298	.49181	.49689	24.456	.48628	2.0314	2.0233
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50048	100.20	2.0206	2.0048	1.9857	25.287	100.26
SDev	.00209	.03	.0042	.0000	.0002	.021	.06
%RSD	.41827	.02810	.20863	.00003	.00769	.08494	.06001
#1	.49900	100.21	2.0176	2.0048	1.9858	25.272	100.30
#2	.50196	100.18	2.0236	2.0048	1.9856	25.302	100.21
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0221	1.9921	2.0109	.99360	49.531	.98378	2.0246
SDev	.0007	.0172	.0007	.00141	.137	.00108	.0031
%RSD	.03598	.86254	.03598	.14192	.27700	.10938	.15229
#1	2.0216	1.9800	2.0104	.99260	49.628	.98302	2.0224
#2	2.0226	2.0043	2.0114	.99459	49.434	.98454	2.0267
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0207	2.0167	1.9515	.49353	.49108	.49421	.49097
SDev	.0002	.0031	.0052	.00517	.00734	.00524	.00065
%RSD	.01019	.15239	.26402	1.0485	1.4957	1.0605	.13193
#1	2.0208	2.0145	1.9478	.48987	.48589	.49050	.49143
#2	2.0205	2.0189	1.9551	.49719	.49627	.49792	.49051
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881