

Quantitation Report

Data File : G:\HPChem\1\Data\01042011\1V2084.D
Acq On : 5 Jan 2011 5:03 am
Sample : 11010028-001
Misc : soil 5.0g
MS Integration Params: RTEINT.P
Quant Time: Jan 7 15:07 2011

Vial: 21
Operator: omd
Inst : GC/MS-1
Multiplr: 1.00

101

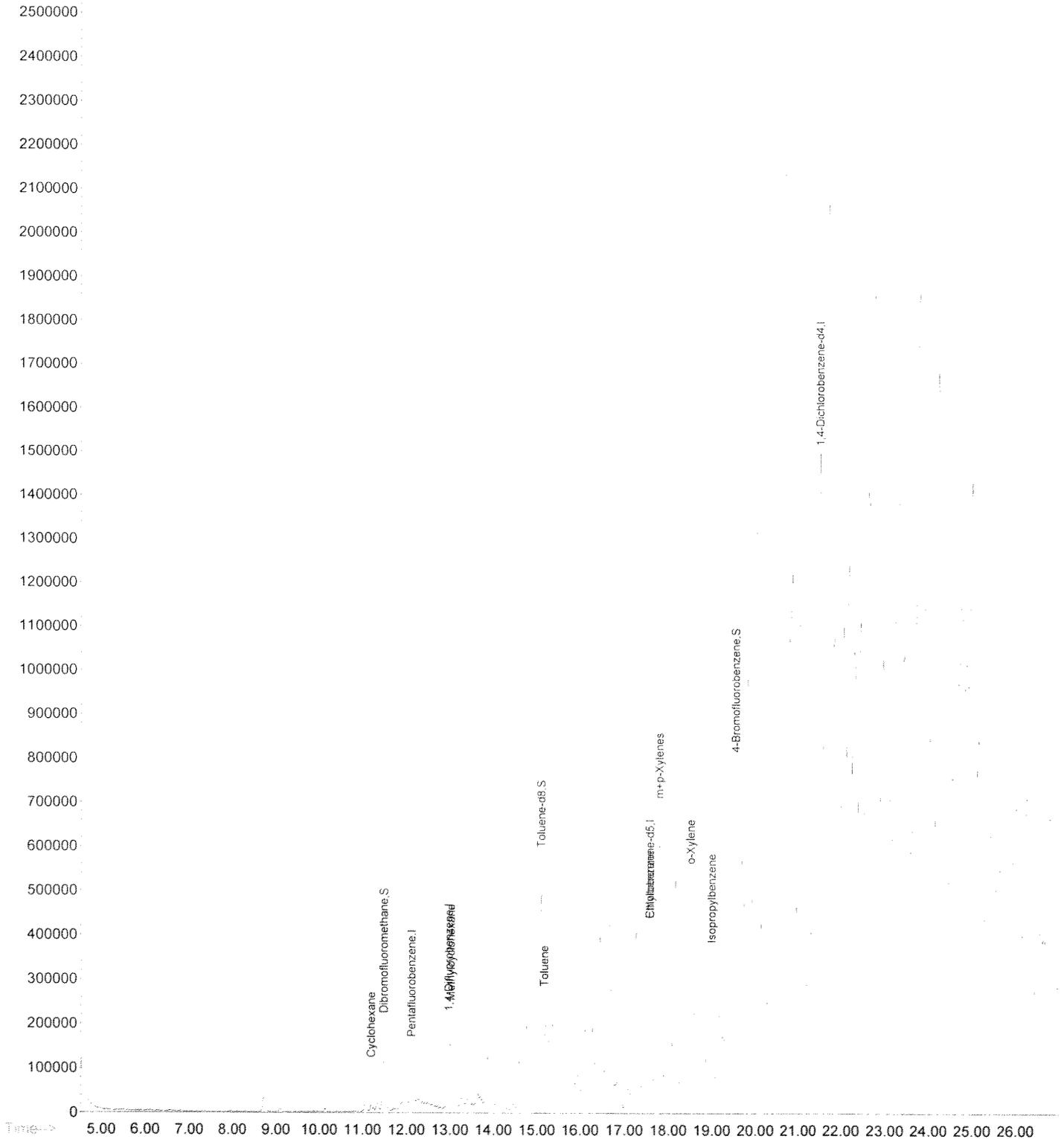
Quant Results File: 0104V01.RES

Method : G:\HPChem\1\Methods\0104V01.M (RTE Integrator)
Title : VOC's by EPA Method 8260
Last Update : Fri Jan 07 15:14:35 2011
Response via : Initial Calibration

Approved:
07-Jan-2011 15:10

OB

TIC: 1V2084.D



Quantitation Report (QT Reviewed)

Data File : G:\HPChem\1\Data\01042011\1V2085.D
 Acq On : 5 Jan 2011 5:40 am
 Sample : ms11010028-001
 Misc : soil 5.0g
 MS Integration Params: RTEINT.P
 Quant Time: Dec 24 10:55 2011

Vial: 22
 Operator: omd
 Inst : GC/MS-1
 Multiplr: 1.00

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Quant Results File: 0104VO1.RES

Quant Method : G:\HPCHEM\1\METHODS\0104VO1.M (RTE Integrator)
 Title : VOC's by EPA Method 8260
 Last Update : Wed Jan 05 10:43:50 2011
 Response via : Initial Calibration
 DataAcq Meth : VOCRUN1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	12.11	168	76491	50.00	ug/kg	0.04
33) 1,4-Difluorobenzene	12.97	114	144645	50.00	ug/kg	0.02
52) Chlorobenzene-d5	17.58	82	102309	50.00	ug/kg	0.04
74) 1,4-Dichlorobenzene-d4	21.51	152	80832	50.00	ug/kg	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Dibromofluoromethane	11.48	113	177168	49.32	ug/kg	0.02
Spiked Amount	50.000	Range 59 - 147	Recovery =	98.64%		
43) Toluene-d8	15.09	98	794923	49.41	ug/kg	0.02
Spiked Amount	50.000	Range 66 - 134	Recovery =	98.82%		
62) 4-Bromofluorobenzene	19.54	95	316555	47.76	ug/kg	0.02
Spiked Amount	50.000	Range 64 - 125	Recovery =	95.52%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.78	85	37742	148.89	ug/kg#	72
3) Chloromethane	5.27	50	179054	154.33	ug/kg	95
5) Vinyl Chloride	5.46	62	187205	169.09	ug/kg	93
6) Bromomethane	6.16	94	88579	157.53	ug/kg#	91
7) Chloroethane	6.39	64	103612	131.19	ug/kg	91
8) Trichlorofluoromethane	6.72	101	123495	127.33	ug/kg	100
9) 1,1,2-Trichloro-1,2,2 Trif	7.75	101	379501	193.11	ug/kg#	78
10) Acetone	8.78	43	43903	250.06	ug/kg	76
11) 1,1-Dichloroethene	7.72	61	345786	190.75	ug/kg	85
12) tert-Butyl Alcohol	9.24	59	126102	2157.42	ug/kg#	84
13) Methyl Acetate	8.96	43	88724	202.16	ug/kg	95
14) Methylene Chloride	8.72	84	306731	248.88	ug/kg	95
15) Carbon Disulfide	7.84	76	662379	182.82	ug/kg	99
16) Acrylonitrile	10.07	53	3019	141.89	ug/kg#	17
17) Methyl tert-Butyl Ether	9.14	73	533933	201.39	ug/kg	97
18) trans-1,2-Dichloroethene	8.99	61	406433	201.13	ug/kg	91
19) 1,1-Dichloroethane	9.99	63	531674	206.20	ug/kg	99
20) Vinyl Acetate	10.30	43	373199	194.96	ug/kg	95
21) 2-Butanone	11.66	43	77038	221.55	ug/kg	87
22) 2,2-Dichloropropane	11.00	77	367563	178.37	ug/kg	95
23) cis-1,2-Dichloroethene	10.82	61	392034	199.01	ug/kg	99
24) Chloroform	11.19	83	494312	209.43	ug/kg	100
25) Bromochloromethane	11.14	49	255513	205.20	ug/kg	63
27) Cyclohexane	11.19	56	262791	187.17	ug/kg	98
28) 1,1,1-Trichloroethane	11.57	97	386627	207.15	ug/kg	95
29) 1,1-Dichloropropene	11.74	75	401484	196.23	ug/kg	89
30) Carbon Tetrachloride	11.49	117	361187	225.53	ug/kg	95
31) 1,2-Dichloroethane	12.42	62	230494	220.92	ug/kg	98
32) Benzene	12.14	78	1070983	194.79	ug/kg	95
34) Trichloroethene	12.98	130	258810	230.60	ug/kg	83
35) Methylcyclohexane	13.01	83	328306	208.52	ug/kg	91
36) 1,2-Dichloropropane	13.80	63	290935	221.06	ug/kg	98
37) Bromodichloromethane	13.83	83	330129	242.05	ug/kg	94
39) Dibromomethane	13.66	174	94477	251.70	ug/kg#	26
40) 2-Chloroethylvinyl Ether	14.60	63	24199	246.95	ug/kg#	50
41) 4-Methyl-2-Pentanone	15.67	43	169014	207.28	ug/kg#	90
42) cis-1,3-Dichloropropene	14.78	75	402236	210.62	ug/kg	94
44) Toluene	15.18	91	1311524	210.85	ug/kg	98
45) trans-1,3-Dichloropropene	15.76	75	287772	227.09	ug/kg	87
46) 1,1,2-Trichloroethane	16.04	97	159706	235.41	ug/kg	96
47) 2-Hexanone	16.96	43	161691	260.44	ug/kg	89
48) 1,3-Dichloropropane	16.49	76	313420	221.40	ug/kg	98
49) Tetrachloroethene	15.82	166	258603	237.78	ug/kg	98
50) Dibromochloromethane	16.36	129	173663	240.96	ug/kg	97

(#) = qualifier out of range (m) = manual integration
 1V2085.D 0104VO1.M Fri Jan 07 15:13:20 2011

Quantitation Report (QT Reviewed)

Data File : G:\HPChem\1\Data\01042011\1V2085.D
 Acq On : 5 Jan 2011 5:40 am
 Sample : ms11010028-001
 Misc : soil 5.0g
 MS Integration Params: RTEINT.P
 Quant Time: Dec 24 10:55 2011

Vial: 22
 Operator: omd
 Inst : GC/MS-1
 Multiplr: 1.00

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Quant Results File: 0104VO1.RES

Quant Method : G:\HPCHEM\1\METHODS\0104VO1.M (RTE Integrator)
 Title : VOC's by EPA Method 8260
 Last Update : Wed Jan 05 10:43:50 2011
 Response via : Initial Calibration
 DataAcq Meth : VOCRUN1

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
51) 1,2-Dibromoethane	16.81	107	146738	225.10	ug/kg#	84
53) Chlorobenzene	17.61	112	740210	191.68	ug/kg	98
54) 1,1,1,2-Tetrachloroethane	17.67	131	240090	227.51	ug/kg	80
55) Ethylbenzene	17.56	91	1504721	185.62	ug/kg	91
56) m+p-Xylenes	17.78	106	1035764	364.24	ug/kg	84
57) o-Xylene	18.50	91	1153514	191.58	ug/kg	89
58) Styrene	18.58	104	856234	192.23	ug/kg	93
59) Isopropylbenzene	19.00	105	1415487	182.31	ug/kg#	89
60) Bromoform	18.72	173	91119	235.72	ug/kg	98
61) 1,1,2,2-Tetrachloroethane	19.76	83	238855	217.81	ug/kg	98
63) 1,2,3-Trichloropropane	20.07	110	53342	240.85	ug/kg	95
64) n-Propylbenzene	19.67	91	1880220	181.21	ug/kg#	90
65) Bromobenzene	19.78	77	633940	194.15	ug/kg	71
66) 2-Chlorotoluene	20.04	91	1135584	182.52	ug/kg	87
67) 4-Chlorotoluene	20.32	91	1044714	183.61	ug/kg	89
68) 1,3,5-Trimethylbenzene	19.97	105	1127156	183.14	ug/kg	89
69) tert-Butylbenzene	20.58	119	1101338	193.82	ug/kg#	81
70) 1,2,4-Trimethylbenzene	20.69	105	1134554	187.17	ug/kg	92
71) sec-Butylbenzene	20.89	105	1671920	179.48	ug/kg	94
72) 4-Isopropyltoluene	21.09	119	1216659	185.16	ug/kg#	90
73) 1,3-Dichlorobenzene	21.40	146	543069	185.29	ug/kg#	93
75) 1,4-Dichlorobenzene	21.54	146	515715	155.38	ug/kg#	91
76) n-Butylbenzene	21.85	91	1356165	136.85	ug/kg	91
77) 1,2-Dichlorobenzene	22.31	146	437515	154.09	ug/kg#	90
78) 1,2-Dibromo-3-chloropropan	23.85	75	21537	189.61	ug/kg	60
79) 1,2,4-Trichlorobenzene	25.28	180	253943	155.64	ug/kg	98
80) Hexachlorobutadiene	25.11	225	159600	158.74	ug/kg	99
81) Naphthalene	26.07	128	452501	171.70	ug/kg	100
82) 1,2,3-Trichlorobenzene	26.53	180	189116	158.42	ug/kg	96

Quantitation Report

Data File : G:\HPChem\1\Data\01042011\1V2085.D
 Acq On : 5 Jan 2011 5:40 am
 Sample : ms11010028-001
 Misc : soil 5.0g
 MS Integration Params: RTEINT.P
 Quant Time: Dec 24 10:55 2011

Vial: 22
 Operator: omd
 Inst : GC/MS-1
 Multiplr: 1.00

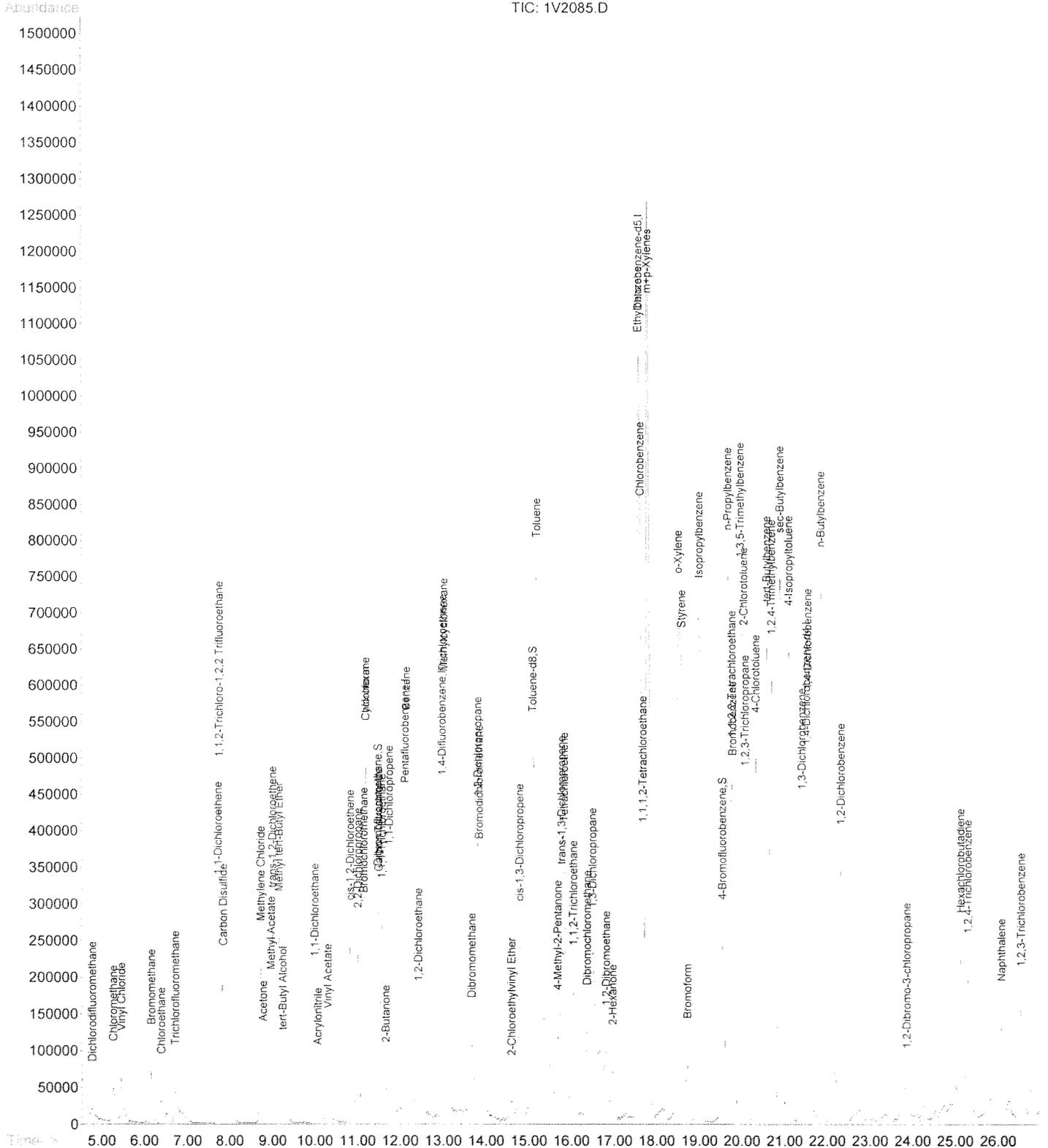
104

Quant Results File: 0104VO1.RES

Method : G:\HPChem\1\Methods\0104VO1.M (RTE Integrator)
 Title : VOC's by EPA Method 8260
 Last Update : Fri Jan 07 15:14:35 2011
 Response via : Initial Calibration

Approved:
 07-Jan-2011 15:10

ob



Quantitation Report (QT Reviewed)

Data File : G:\HPChem\1\Data\01042011\1V2086.D

Vial: 23

Acq On : 5 Jan 2011 6:18 am

Operator: omd

Sample : msd11010028-001

Inst : GC/MS-1

Misc : soil 5.0g

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Results File: 0104V01.RES

105

Quant Method : G:\HPCHEM\1\METHODS\0104V01.M (RTE Integrator)

Title : VOC's by EPA Method 8260

Last Update : Fri Jan 07 12:38:45 2011

Response via : Initial Calibration

DataAcq Meth : VOCRUN1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	12.09	168	56080	50.00	ug/kg	0.02
33) 1,4-Difluorobenzene	12.98	114	103596	50.00	ug/kg	0.04
52) Chlorobenzene-d5	17.56	82	69665	50.00	ug/kg	0.01
74) 1,4-Dichlorobenzene-d4	21.50	152	57818	50.00	ug/kg	0.02

System Monitoring Compounds

26) Dibromofluoromethane	11.48	113	122339	46.45	ug/kg	0.02
Spiked Amount	50.000	Range 59 - 147	Recovery =	92.90%		
43) Toluene-d8	15.09	98	600624	52.13	ug/kg	0.02
Spiked Amount	50.000	Range 66 - 134	Recovery =	104.26%		
62) 4-Bromofluorobenzene	19.54	95	229119	50.76	ug/kg	0.03
Spiked Amount	50.000	Range 64 - 125	Recovery =	101.52%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.79	85	33422	179.84	ug/kg	91
3) Chloromethane	5.26	50	167192	196.55	ug/kg	98
5) Vinyl Chloride	5.46	62	169069	208.29	ug/kg	92
6) Bromomethane	6.16	94	84882	205.89	ug/kg	95
7) Chloroethane	6.41	64	137726	237.85	ug/kg	94
8) Trichlorofluoromethane	6.72	101	189905	267.06	ug/kg	96
9) 1,1,2-Trichloro-1,2,2 Trif	7.76	101	284933	197.75	ug/kg	81
10) Acetone	8.79	43	32318	251.07	ug/kg	84
11) 1,1-Dichloroethene	7.71	61	313419	235.82	ug/kg	84
12) tert-Butyl Alcohol	9.22	59	90467	2111.08	ug/kg	89
13) Methyl Acetate	8.96	43	71858	223.32	ug/kg	97
14) Methylene Chloride	8.72	84	271531	300.51	ug/kg	94
15) Carbon Disulfide	7.84	76	595917	224.34	ug/kg	97
17) Methyl tert-Butyl Ether	9.15	73	399694	205.63	ug/kg	97
18) trans-1,2-Dichloroethene	8.99	61	356197	240.42	ug/kg	87
19) 1,1-Dichloroethane	9.99	63	461690	244.23	ug/kg	99
20) Vinyl Acetate	10.28	43	274480	195.58	ug/kg	96
21) 2-Butanone	11.65	43	49622	194.65	ug/kg	78
22) 2,2-Dichloropropane	11.00	77	277665	183.79	ug/kg	97
23) cis-1,2-Dichloroethene	10.82	61	336015	232.65	ug/kg	98
24) Chloroform	11.19	83	406303	234.79	ug/kg	97
25) Bromochloromethane	11.14	49	213794	234.19	ug/kg	59
27) Cyclohexane	11.19	56	207828	201.90	ug/kg	99
28) 1,1,1-Trichloroethane	11.57	97	305658	223.37	ug/kg	95
29) 1,1-Dichloropropene	11.74	75	339605	226.40	ug/kg	85
30) Carbon Tetrachloride	11.48	117	266100	226.63	ug/kg	97
31) 1,2-Dichloroethane	12.43	62	174932	228.69	ug/kg	96
32) Benzene	12.14	78	911809	226.19	ug/kg	99
34) Trichloroethene	12.98	130	212179	263.96	ug/kg	86
35) Methylcyclohexane	13.01	83	274934	243.82	ug/kg	88
36) 1,2-Dichloropropane	13.78	63	233246	247.45	ug/kg	100
37) Bromodichloromethane	13.83	83	240246	245.95	ug/kg	99
39) Dibromomethane	13.66	174	68328	254.16	ug/kg#	40
40) 2-Chloroethylvinyl Ether	14.60	63	17128	244.05	ug/kg#	40
41) 4-Methyl-2-Pentanone	15.67	43	140304	240.25	ug/kg	95
42) cis-1,3-Dichloropropene	14.78	75	312990	228.83	ug/kg	93
44) Toluene	15.16	91	1135817	254.95	ug/kg	99
45) trans-1,3-Dichloropropene	15.76	75	223339	246.08	ug/kg	91
46) 1,1,2-Trichloroethane	16.04	97	118150	243.16	ug/kg	95
47) 2-Hexanone	16.96	43	111758	251.34	ug/kg#	90
48) 1,3-Dichloropropane	16.50	76	242479	239.16	ug/kg	99
49) Tetrachloroethene	15.81	166	225495	289.49	ug/kg	97
50) Dibromochloromethane	16.36	129	127697	247.38	ug/kg	97
51) 1,2-Dibromoethane	16.81	107	110335	236.32	ug/kg#	90

(#) = qualifier out of range (m) = manual integration

Data File : G:\HPCHEM\1\Data\01042011\1V2086.D

Vial: 23

Acq On : 5 Jan 2011 6:18 am

Operator: omd

Sample : msd11010028-001

Inst : GC/MS-1

Misc : soil 5.0g

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Results File: 0104V01.RES

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Quant Method : G:\HPCHEM\1\METHODS\0104V01.M (RTE Integrator)

Title : VOC's by EPA Method 8260

Last Update : Fri Jan 07 12:38:45 2011

Response via : Initial Calibration

DataAcq Meth : VOCRUN1

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
53) Chlorobenzene	17.61	112	652162	248.01	ug/kg	99
54) 1,1,1,2-Tetrachloroethane	17.67	131	179252	249.45	ug/kg#	83
55) Ethylbenzene	17.56	91	1369674	248.13	ug/kg	92
56) m+p-Xylenes	17.77	106	969694	500.80	ug/kg	82
57) o-Xylene	18.51	91	1039022	253.42	ug/kg	88
58) Styrene	18.59	104	763291	251.66	ug/kg	91
59) Isopropylbenzene	18.99	105	1306156	247.06	ug/kg#	87
60) Bromoform	18.73	173	63790	242.35	ug/kg	98
61) 1,1,2,2-Tetrachloroethane	19.78	83	174078	233.12	ug/kg	99
63) 1,2,3-Trichloropropane	20.08	110	39490	261.85	ug/kg	95
64) n-Propylbenzene	19.68	91	1747351	247.31	ug/kg	91
65) Bromobenzene	19.78	77	548839	246.85	ug/kg	70
66) 2-Chlorotoluene	20.04	91	1049709	247.77	ug/kg	84
67) 4-Chlorotoluene	20.31	91	978988	252.69	ug/kg	87
68) 1,3,5-Trimethylbenzene	19.96	105	1051202	250.84	ug/kg	90
69) tert-Butylbenzene	20.58	119	1014149	262.11	ug/kg#	81
70) 1,2,4-Trimethylbenzene	20.70	105	1034342	250.60	ug/kg	89
71) sec-Butylbenzene	20.90	105	1554435	245.05	ug/kg	94
72) 4-Isopropyltoluene	21.10	119	1144353	255.76	ug/kg#	91
73) 1,3-Dichlorobenzene	21.39	146	497826	249.45	ug/kg#	91
75) 1,4-Dichlorobenzene	21.53	146	442278	186.30	ug/kg#	86
76) n-Butylbenzene	21.84	91	1290739	182.10	ug/kg	91
77) 1,2-Dichlorobenzene	22.30	146	390132	192.10	ug/kg#	90
78) 1,2-Dibromo-3-chloropropan	23.83	75	15399	189.54	ug/kg	53
79) 1,2,4-Trichlorobenzene	25.27	180	238202	204.10	ug/kg	96
80) Hexachlorobutadiene	25.12	225	161547	224.63	ug/kg	95
81) Naphthalene	26.06	128	363629	192.90	ug/kg	99
82) 1,2,3-Trichlorobenzene	26.52	180	176407	206.60	ug/kg	97

(#) = qualifier out of range (m) = manual integration

1V2086.D 0104V01.M Fri Jan 07 15:13:33 2011

Data File : G:\HPChem\1\Data\01042011\1V2074.D

Acq On : 4 Jan 2011 10:49 pm

Sample : 200 ppb lcs

Misc : soil

MS Integration Params: RTEINT.P

Quant Time: Dec 24 10:44 2011

Vial: 11

Operator: omd

Inst : GC/MS-1

Multiplr: 1.00

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Quant Results File: 0104V01.RES

Quant Method : G:\HPCHEM\1\METHODS\0104V01.M (RTE Integrator)

Title : VOC's by EPA Method 8260

Last Update : Wed Jan 05 10:43:50 2011

Response via : Initial Calibration

DataAcq Meth : VOCRUN1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	12.11	168	69167	50.00	ug/kg	0.04
33) 1,4-Difluorobenzene	12.98	114	130985	50.00	ug/kg	0.04
52) Chlorobenzene-d5	17.57	82	86362	50.00	ug/kg	0.03
74) 1,4-Dichlorobenzene-d4	21.51	152	54445	50.00	ug/kg	0.03

System Monitoring Compounds

26) Dibromofluoromethane	11.48	113	159866	49.22	ug/kg	0.02
Spiked Amount	50.000	Range 59 - 147	Recovery	=	98.44%	
43) Toluene-d8	15.09	98	770540	52.89	ug/kg	0.02
Spiked Amount	50.000	Range 66 - 134	Recovery	=	105.78%	
62) 4-Bromofluorobenzene	19.54	95	280521	50.13	ug/kg	0.03
Spiked Amount	50.000	Range 64 - 125	Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.78	85	50913	222.12	ug/kg	86
3) Chloromethane	5.27	50	228783	218.07	ug/kg	96
5) Vinyl Chloride	5.45	62	217662	217.41	ug/kg	95
6) Bromomethane	6.16	94	105679	207.84	ug/kg#	96
7) Chloroethane	6.42	64	159566	223.43	ug/kg	96
8) Trichlorofluoromethane	6.74	101	218146	248.73	ug/kg	97
9) 1,1,2-Trichloro-1,2,2 Trif	7.76	101	363951	204.80	ug/kg#	77
10) Acetone	8.79	43	28925	182.19	ug/kg#	39
11) 1,1-Dichloroethene	7.73	61	359728	219.45	ug/kg	83
12) tert-Butyl Alcohol	9.23	59	85508	1617.82	ug/kg	85
13) Methyl Acetate	8.96	43	69830	175.96	ug/kg	96
14) Methylene Chloride	8.72	84	233732	209.73	ug/kg	90
15) Carbon Disulfide	7.83	76	717058	218.86	ug/kg	99
17) Methyl tert-Butyl Ether	9.14	73	440730	183.84	ug/kg	97
18) trans-1,2-Dichloroethene	9.00	61	408902	223.78	ug/kg	89
19) 1,1-Dichloroethane	10.00	63	498606	213.85	ug/kg	99
20) Vinyl Acetate	10.29	43	298074	172.20	ug/kg	95
21) 2-Butanone	11.66	43	48168	153.20	ug/kg#	76
22) 2,2-Dichloropropane	11.00	77	369710	198.41	ug/kg	97
23) cis-1,2-Dichloroethene	10.82	61	365846	205.38	ug/kg	99
24) Chloroform	11.20	83	450000	210.84	ug/kg	100
25) Bromochloromethane	11.14	49	218341	193.92	ug/kg	59
27) Cyclohexane	11.19	56	244774	192.80	ug/kg	96
28) 1,1,1-Trichloroethane	11.58	97	360005	213.31	ug/kg	95
29) 1,1-Dichloropropene	11.75	75	371715	200.92	ug/kg	86
30) Carbon Tetrachloride	11.49	117	310003	214.07	ug/kg	98
31) 1,2-Dichloroethane	12.43	62	188560	199.87	ug/kg	98
32) Benzene	12.14	78	989836	199.09	ug/kg	100
34) Trichloroethene	13.00	130	229755	226.06	ug/kg	87
35) Methylcyclohexane	13.01	83	272888	191.40	ug/kg	88
36) 1,2-Dichloropropane	13.80	63	258844	217.19	ug/kg	100
37) Bromodichloromethane	13.85	83	268009	217.00	ug/kg	97
39) Dibromomethane	13.66	174	65774	193.50	ug/kg#	34
40) 2-Chloroethylvinyl Ether	14.61	63	16555	186.56	ug/kg#	40
41) 4-Methyl-2-Pentanone	15.67	43	118476	160.45	ug/kg	98
42) cis-1,3-Dichloropropene	14.80	75	338066	195.48	ug/kg	93
44) Toluene	15.18	91	1188363	210.97	ug/kg	100
45) trans-1,3-Dichloropropene	15.76	75	232324	202.46	ug/kg	90
46) 1,1,2-Trichloroethane	16.04	97	111824	182.02	ug/kg	96
47) 2-Hexanone	16.96	43	95605	170.05	ug/kg#	95
48) 1,3-Dichloropropane	16.50	76	235792	183.94	ug/kg	97
49) Tetrachloroethene	15.83	166	233115	236.70	ug/kg	99
50) Dibromochloromethane	16.36	129	115959	177.67	ug/kg	97
51) 1,2-Dibromoethane	16.82	107	107046	181.34	ug/kg#	90

(#)= qualifier out of range (m) = manual integration

1V2074.D 0104V01.M Fri Jan 07 15:13:45 2011

Data File : G:\HPCHEM\1\Data\01042011\1V2074.D

Vial: 11

Acq On : 4 Jan 2011 10:49 pm

Operator: omd

Sample : 200 ppb lcs

Inst : GC/MS-1

Misc : soil

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Dec 24 10:44 2011

Quant Results File: 0104V01.RES

109

Quant Method : G:\HPCHEM\1\METHODS\0104V01.M (RTE Integrator)

Title : VOC's by EPA Method 8260

Last Update : Wed Jan 05 10:43:50 2011

Response via : Initial Calibration

DataAcq Meth : VOCRUN1

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
53) Chlorobenzene	17.60	112	663042	203.40	ug/kg	99
54) 1,1,1,2-Tetrachloroethane	17.67	131	177546	199.31	ug/kg#	81
55) Ethylbenzene	17.57	91	1395821	203.98	ug/kg	93
56) m+p-Xylenes	17.79	106	983830	409.86	ug/kg	82
57) o-Xylene	18.51	91	1045142	205.63	ug/kg	90
58) Styrene	18.59	104	773065	205.60	ug/kg	90
59) Isopropylbenzene	18.99	105	1326216	202.36	ug/kg#	88
60) Bromoform	18.74	173	60707	186.05	ug/kg	97
61) 1,1,2,2-Tetrachloroethane	19.77	83	173160	187.06	ug/kg	99
63) 1,2,3-Trichloropropane	20.08	110	34534	184.72	ug/kg	90
64) n-Propylbenzene	19.68	91	1756449	200.54	ug/kg	91
65) Bromobenzene	19.77	77	554441	201.15	ug/kg	69
66) 2-Chlorotoluene	20.05	91	1079512	205.54	ug/kg	83
67) 4-Chlorotoluene	20.33	91	971751	202.32	ug/kg	87
68) 1,3,5-Trimethylbenzene	19.97	105	1066131	205.22	ug/kg	90
69) tert-Butylbenzene	20.59	119	1025876	213.88	ug/kg	83
70) 1,2,4-Trimethylbenzene	20.69	105	1051785	205.56	ug/kg	90
71) sec-Butylbenzene	20.89	105	1581581	201.13	ug/kg	93
72) 4-Isopropyltoluene	21.11	119	1142361	205.95	ug/kg	91
73) 1,3-Dichlorobenzene	21.40	146	484913	196.00	ug/kg#	89
75) 1,4-Dichlorobenzene	21.54	146	468232	209.45	ug/kg#	90
76) n-Butylbenzene	21.85	91	1311518	196.49	ug/kg	91
77) 1,2-Dichlorobenzene	22.31	146	384036	200.81	ug/kg#	87
78) 1,2-Dibromo-3-chloropropan	23.85	75	13850	181.03	ug/kg#	39
79) 1,2,4-Trichlorobenzene	25.30	180	213698	194.45	ug/kg	96
80) Hexachlorobutadiene	25.13	225	149867	221.30	ug/kg	96
81) Naphthalene	26.07	128	321901	181.35	ug/kg	98
82) 1,2,3-Trichlorobenzene	26.53	180	157688	196.12	ug/kg	99

(#) = qualifier out of range (m) = manual integration

1V2074.D 0104V01.M Fri Jan 07 15:13:45 2011

Quantitation Report

Data File : G:\HPChem\1\Data\01042011\1V2074.D
Acq On : 4 Jan 2011 10:49 pm
Sample : 200 ppb lcs
Misc : soil
MS Integration Params: RTEINT.P
Quant Time: Dec 24 10:44 2011

Vial: 11
Operator: omd
Inst : GC/MS-1
Multiplr: 1.00

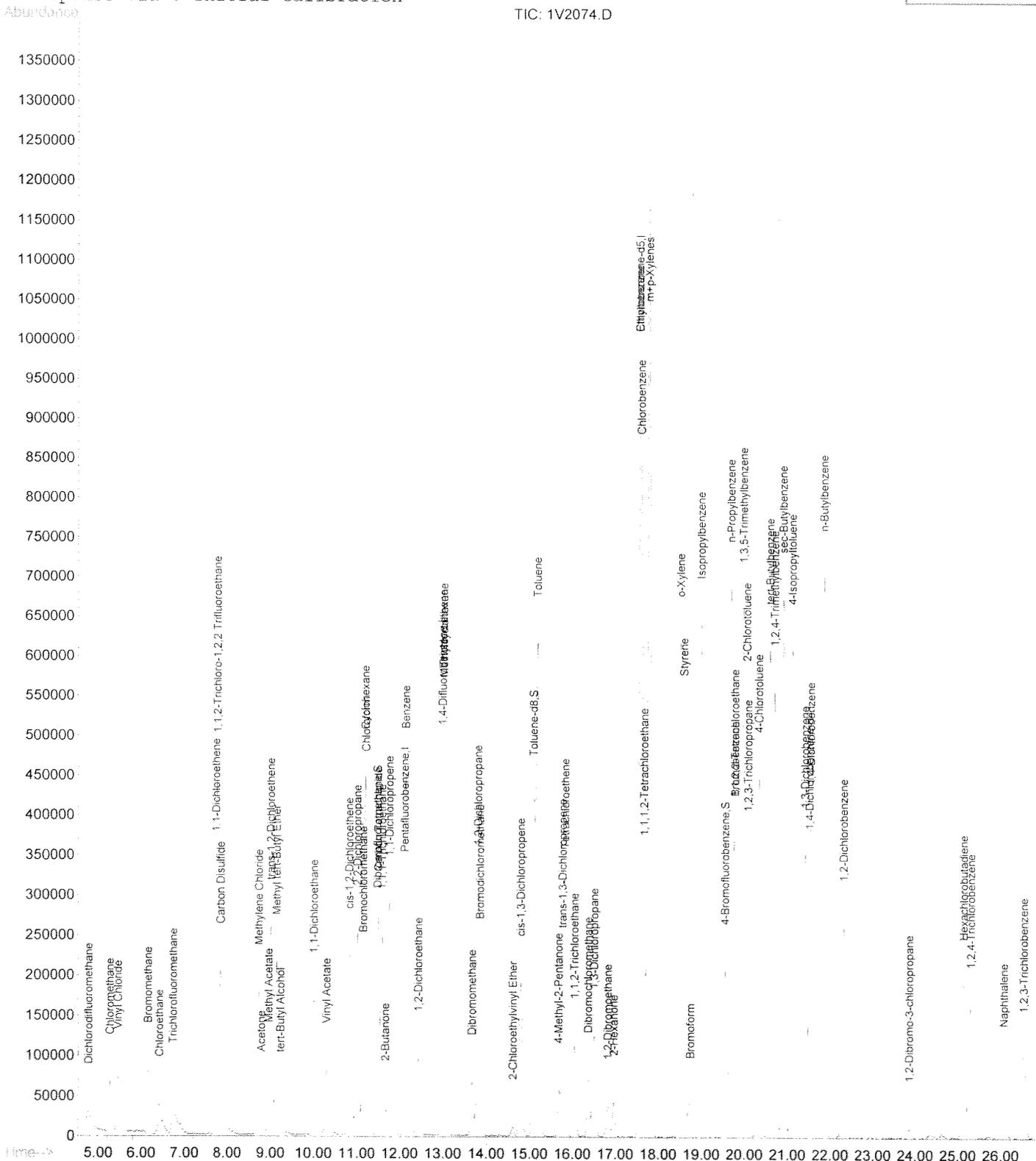
110

Quant Results File: 0104V01.RES

Method : G:\HPChem\1\Methods\0104V01.M (RTE Integrator)
Title : VOC's by EPA Method 8260
Last Update : Fri Jan 07 15:14:35 2011
Response via : Initial Calibration

Approved:
07-Jan-2011 15:10

OB



Aqua Pro-Tech Laboratories
Volatile Method Blank Summary

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Lab File ID: 1V2263.D
Date Acquired: 21-Jan-11

Blank:
VO- MBlank #1

Lab Sample ID: blank
Time Acquired 12:06

This Method Blank applies to the following samples:

Client Sample	Lab Sample ID	Lab File ID	Time Acquired
Comp A	11010298-001	1V2268.D	15:14
Comp B	11010298-002	1V2269.D	15:51

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

112

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Matrix: Soil

Client Sample:

Blank - 1

Sample Weight 5.0 Grams
Level: Low

Lab Sample ID: Blank - 1
Lab File ID: 1V2263.D

Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane		U	1.11	5
74-87-3	Chloromethane		U	0.650	5
107-02-8	Acrolein		U	4.08	20
75-01-4	Vinyl Chloride		U	0.940	5
74-83-9	Bromomethane		U	1.71	5
75-00-3	Chloroethane		U	2.28	5
75-69-4	Trichlorofluoromethane		U	1.17	5
76-13-1	1,1,2-Trichloro-1,2,2 Trifluoroetha		U	2.09	5
67-64-1	Acetone		U	2.87	10
75-35-4	1,1-Dichloroethene		U	1.35	5
75-65-0	tert-Butyl Alcohol		U	9.75	50
79-20-9	Methyl Acetate		U	0.950	5
75-09-2	Methylene Chloride		U	0.820	5
75-15-0	Carbon Disulfide		U	0.690	5
107-13-1	Acrylonitrile		U	1.30	5
1634-04-4	Methyl tert-Butyl Ether		U	0.870	5
156-60-5	trans-1,2-Dichloroethene		U	0.670	5
75-34-3	1,1-Dichloroethane		U	0.840	5
108-05-4	Vinyl Acetate		U	1.24	5
78-93-3	2-Butanone		U	2.05	10
594-20-7	2,2-Dichloropropane		U	0.520	5
156-59-2	cis-1,2-Dichloroethene		U	0.520	5
67-66-3	Chloroform		U	0.780	5
74-97-5	Bromochloromethane		U	0.940	5
110-82-7	Cyclohexane		U	0.00	5
71-55-6	1,1,1-Trichloroethane		U	1.14	5
563-58-6	1,1-Dichloropropene		U	1.08	5
56-23-5	Carbon Tetrachloride		U	0.870	5
107-06-2	1,2-Dichloroethane		U	0.570	5
71-43-2	Benzene		U	0.550	5
79-01-6	Trichloroethene		U	0.820	5
108-87-2	Methylcyclohexane		U	1.02	5
78-87-5	1,2-Dichloropropane		U	0.790	5
75-27-4	Bromodichloromethane		U	0.770	5
74-95-3	Dibromomethane		U	0.850	5
110-75-8	2-Chloroethylvinyl Ether		U	0.980	10
108-10-1	4-Methyl-2-Pentanone		U	0.750	10
10061-01-5	cis-1,3-Dichloropropene		U	0.190	5
108-88-3	Toluene		U	0.360	5

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

113

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Matrix: Soil

Client Sample:

Blank - 1

Sample Weight: 5.0 Grams
Level: Low

Lab Sample ID: Blank - 1
Lab File ID: 1V2263.D

Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
10061-02-6	trans-1,3-Dichloropropene		U	0.440	5
79-00-5	1,1,2-Trichloroethane		U	0.680	5
591-78-6	2-Hexanone		U	1.10	10
142-28-9	1,3-Dichloropropane		U	0.630	5
127-18-4	Tetrachloroethene		U	0.670	5
124-48-1	Dibromochloromethane		U	0.680	5
106-93-4	1,2-Dibromoethane		U	0.380	5
108-90-7	Chlorobenzene		U	0.430	5
630-20-6	1,1,1,2-Tetrachloroethane		U	0.630	5
100-41-4	Ethylbenzene		U	0.400	5
1330-20-7	m+p-Xylenes		U	0.960	10
95-47-6	o-Xylene		U	0.790	5
100-42-5	Styrene		U	0.630	5
98-82-8	Isopropylbenzene		U	0.520	5
75-25-2	Bromoform		U	1.79	5
79-34-5	1,1,2,2-Tetrachloroethane		U	1.42	5
96-18-4	1,2,3-Trichloropropane		U	2.77	5
103-65-1	n-Propylbenzene		U	1.88	5
108-86-1	Bromobenzene		U	0.860	5
95-49-8	2-Chlorotoluene		U	0.460	5
106-43-4	4-Chlorotoluene		U	0.330	5
135-98-8	sec-Butylbenzene		U	1.68	5
99-87-6	4-Isopropyltoluene		U	1.57	5
541-73-1	1,3-Dichlorobenzene		U	0.830	5
106-46-7	1,4-Dichlorobenzene		U	0.850	5
104-51-8	n-Butylbenzene		U	1.55	5
95-50-1	1,2-Dichlorobenzene		U	0.720	5
96-12-8	1,2-Dibromo-3-chloropropane		U	4.51	10
120-82-1	1,2,4-Trichlorobenzene		U	0.980	5
87-68-3	Hexachlorobutadiene		U	2.29	5
91-20-3	Naphthalene		U	0.920	5
87-61-6	1,2,3-Trichlorobenzene		U	1.80	5

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Quantitation Report (QT Reviewed)

Data File : G:\HPChem\1\Data\01212011\1V2263.D
 Acq On : 21 Jan 2011 12:06 pm
 Sample : blank
 Misc : soil

Vial: 4
 Operator: omd
 Inst : GC/MS-1
 Multiplr: 1.00

114

MS Integration Params: RTEINT.P
 Quant Time: Jan 25 12:42 2011

Quant Results File: 0104V01.RES

Quant Method : G:\HPCHEM\1\METHODS\0104V01.M (RTE Integrator)
 Title : VOC's by EPA Method 8260
 Last Update : Thu Jan 13 14:31:51 2011
 Response via : Initial Calibration
 DataAcq Meth : VOCRUN1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	12.15	168	68769	50.00	ug/kg	0.09
33) 1,4-Difluorobenzene	13.02	114	133712	50.00	ug/kg	0.09
52) Chlorobenzene-d5	17.62	82	74771	50.00	ug/kg	0.10
74) 1,4-Dichlorobenzene-d4	21.56	152	45647	50.00	ug/kg	0.10

System Monitoring Compounds

26) Dibromofluoromethane	11.54	113	149817	46.39	ug/kg	0.10
Spiked Amount	50.000	Range 59 - 147	Recovery	=	92.78%	
43) Toluene-d8	15.15	98	723536	48.65	ug/kg	0.10
Spiked Amount	50.000	Range 66 - 134	Recovery	=	97.30%	
62) 4-Bromofluorobenzene	19.59	95	247972	51.19	ug/kg	0.10
Spiked Amount	50.000	Range 64 - 125	Recovery	=	102.38%	

Target Compounds

Qvalue

Quantitation Report

Data File : G:\HPChem\1\Data\01212011\1V2263.D
Acq On : 21 Jan 2011 12:06 pm
Sample : blank
Misc : soil
MS Integration Params: RTEINT.P
Quant Time: Jan 25 12:42 2011

Vial: 4
Operator: omd
Inst : GC/MS-1
Multiplr: 1.00

115

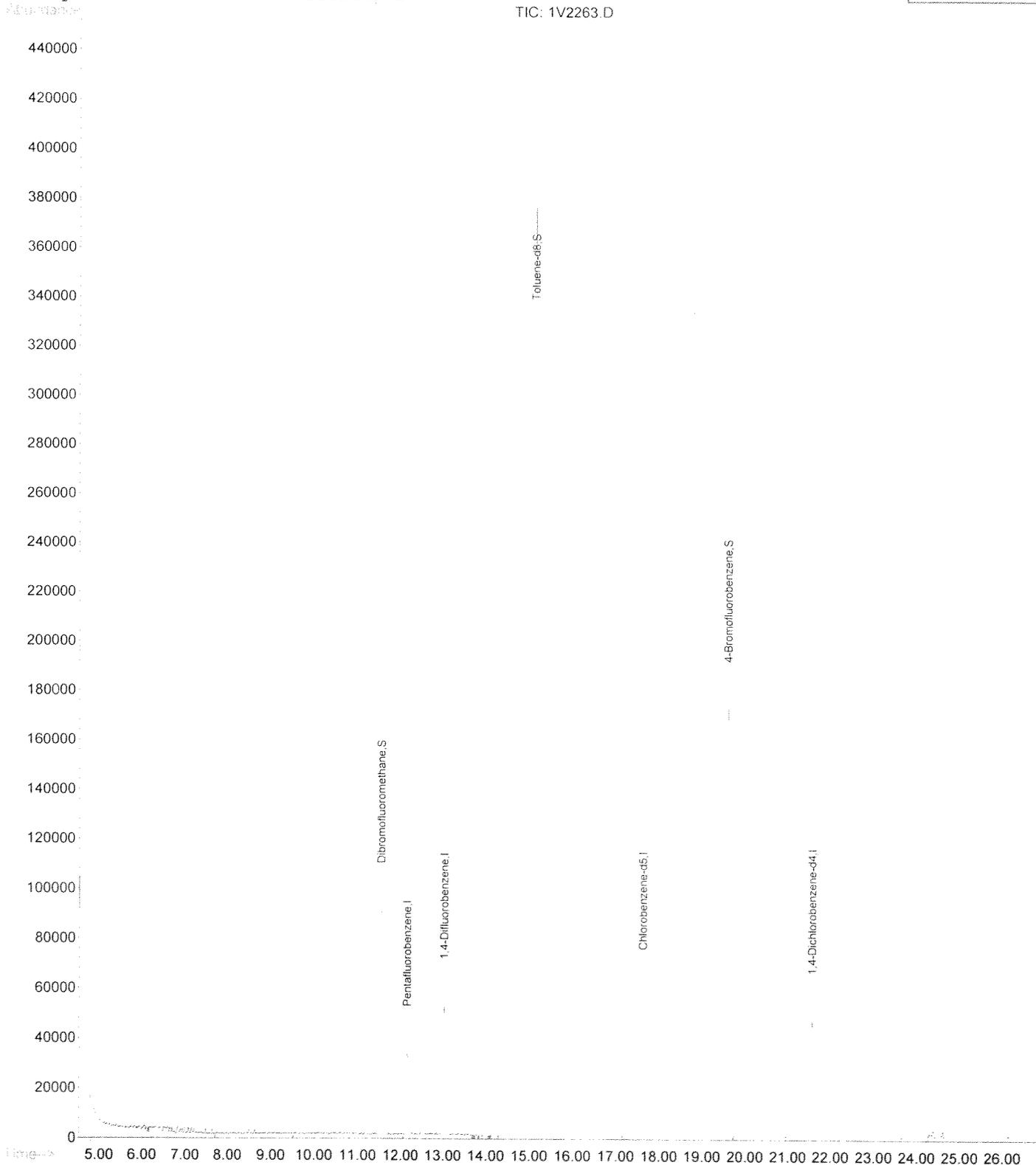
Quant Results File: 0104VO1.RES

Method : G:\HPChem\1\Methods\0104VO1.M (RTE Integrator)
Title : VOC's by EPA Method 8260
Last Update : Thu Jan 13 14:31:51 2011
Response via : Initial Calibration

Approved:
25-Jan-2011 12:42

OB

TIC: 1V2263.D



Aqua Pro-Tech Laboratories
 Volatile Organic Instrument Performance Check (Tune)
 Bromofluorobenzene(BFB)

116

Client: TERMS ENVIRONMENTAL
 Project: Vet Park
 Lab File ID: G:\HPCChem\1\Data\01212011\1V2260.D

BFB Injection Date: 21-Jan-11
 BFB Injection Time: 10:09

m/z	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 60.0% of mass 95	46.8
95	100 - 100% of mass 95	100
96	5.00 - 9.00% of mass 95	6.80
173	0.00 - 2.00% of mass 174	0.00
174	50.0 - 100% of mass 95	57.6
175	5.00 - 9.00% of mass 174	6.50
176	95.0 - 101% of mass 174	96.3
177	5.00 - 9.00% of mass 176	6.80

This check applies to the following Samples, MS, MSD, Blanks, and Standards

Client Sample	Lab Sample ID	Lab File ID	Date Acquired	Time Acquired
CCV	200 ppb m5035A ccv	1V2261.D	21-Jan-11	10:51
Blank - 1	blank	1V2263.D	21-Jan-11	12:06
Comp A	11010298-001	1V2268.D	21-Jan-11	15:14
Comp B	11010298-002	1V2269.D	21-Jan-11	15:51

Data File : G:\HPChem\1\Data\01212011\1V2260.D

Acq On : 21 Jan 2011 10:09 am

Sample : bfb

Misc : soil

MS Integration Params: RTEINT.P

Method : G:\HPChem\1\Methods\0104VO1.M (RTE Integrator)

Title : VOC's by EPA Method 8260

Vial: 1

Operator: omd

Inst : GC/MS-1

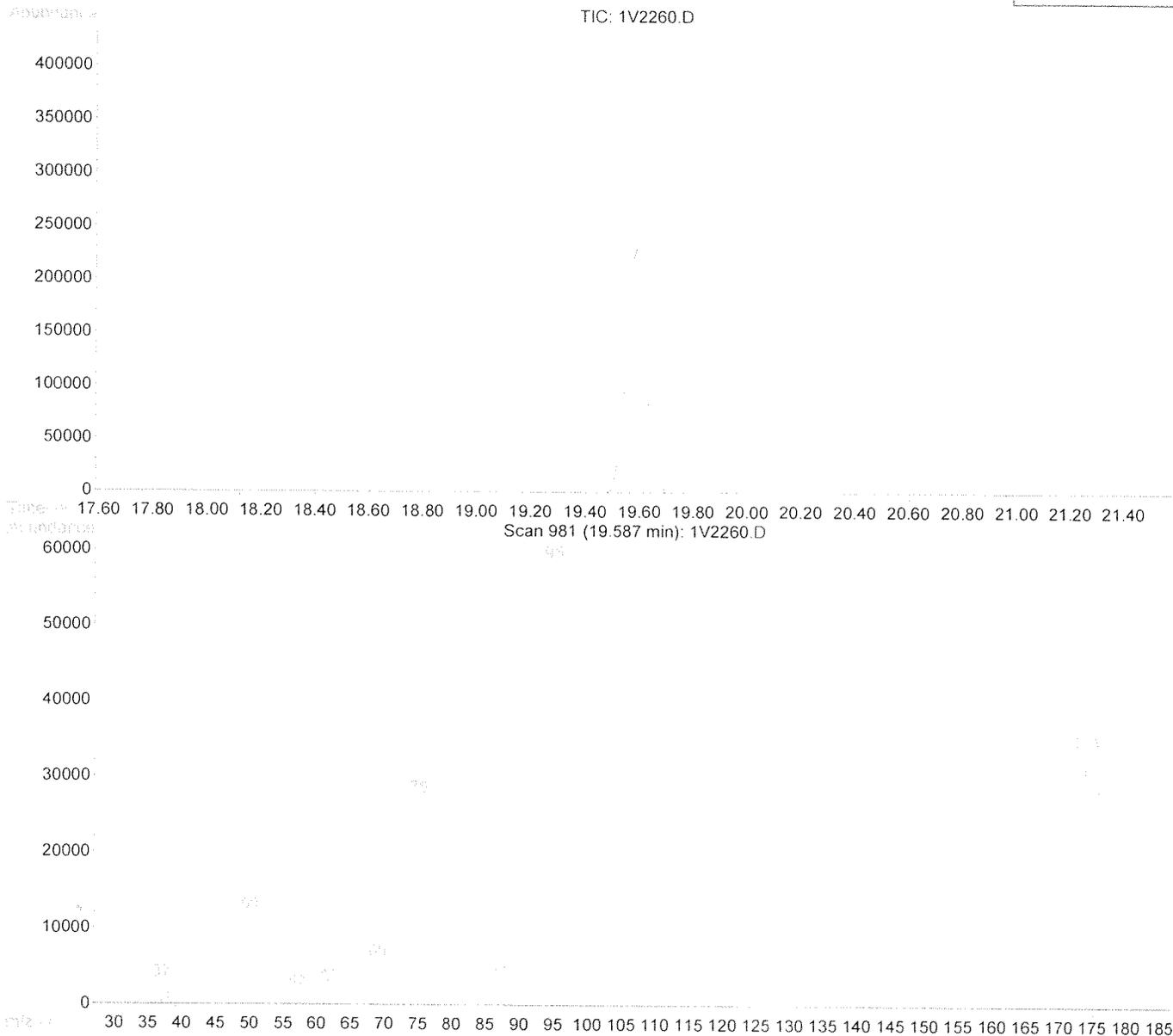
Multiplr: 1.00

117

Approved:

25-Jan-2011 12:42

ob



Spectrum Information: Scan 981

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	11862	PASS
75	95	30	60	46.8	27376	PASS
95	95	100	100	100.0	58456	PASS
96	95	5	9	6.8	3974	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	57.6	33664	PASS
175	174	5	9	6.5	2198	PASS
176	174	95	101	96.3	32408	PASS
177	176	5	9	6.8	2211	PASS

Aqua Pro-Tech Laboratories
 Volatile Organic Instrument Performance Check (Tune)
 Bromofluorobenzene(BFB)

Client: TERMS ENVIRONMENTAL

BFB Injection Date: 4-Jan-11

Project: Vet Park

BFB Injection Time: 16:37

Lab File ID: G:\HPCChem\1\Data\01042011\1V2066.D

m/z	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	46.9
95	100 - 100% of mass 95	100
96	5.00 - 9.00% of mass 95	8.10
173	0.00 - 2.00% of mass 174	0.00
174	50.0 - 100% of mass 95	62.0
175	5.00 - 9.00% of mass 174	7.00
176	95.0 - 101% of mass 174	98.7
177	5.00 - 9.00% of mass 176	6.60

This check applies to the following Samples, MS, MSD, Blanks, and Standards

Client Sample	Lab Sample ID	Lab File ID	Date Acquired	Time Acquired
CCV	200 ppb m5035A ical	1V2071.D	4-Jan-11	20:57
Blank Spike - 2	200 ppb lcs	1V2074.D	4-Jan-11	22:49
Matrix Spike - 2	ms11010028-001	1V2085.D	5-Jan-11	5:40
Matrix Spike Dup - 2	msd11010028-001	1V2086.D	5-Jan-11	6:18

Data File : G:\HPChem\1\Data\01042011\1V2066.D

Vial: 3

119

Acq On : 4 Jan 2011 4:37 pm

Operator: omd

Sample : BFB

Inst : GC/MS-1

Misc : soil

Multiplr: 1.00

MS Integration Params: RTEINT.P

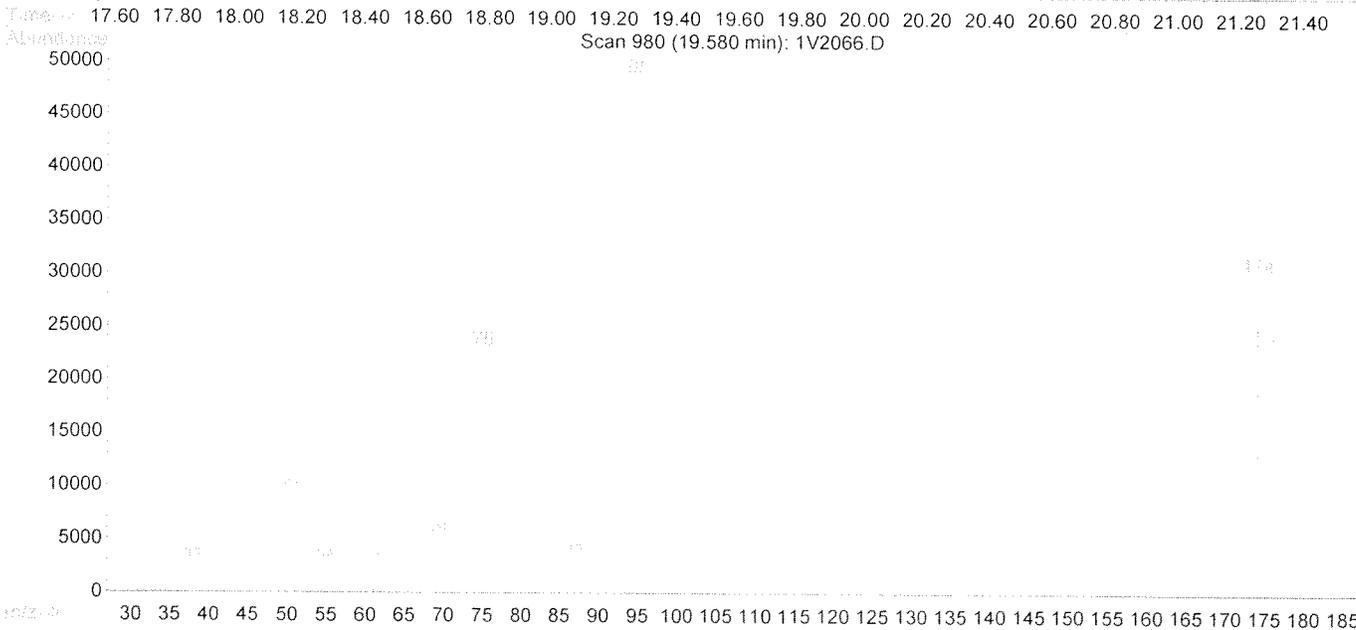
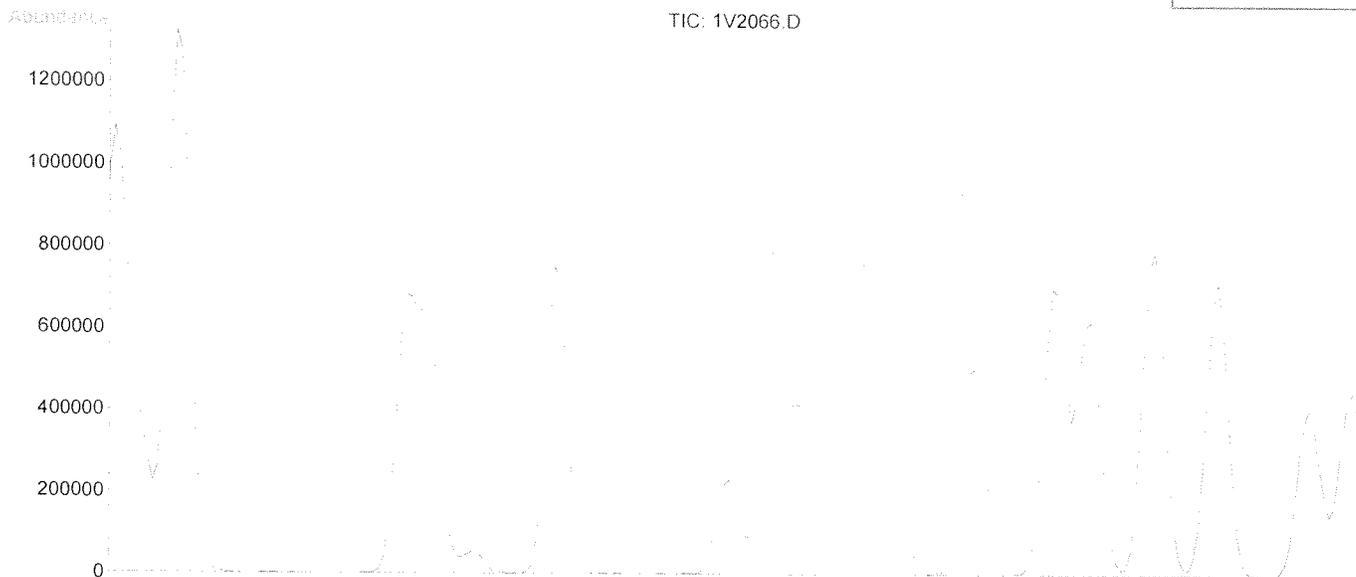
Method : G:\HPCHEM\1\METHODS\0104VO1.M (RTE Integrator)

Title : VOC's by EPA Method 8260

Approved:

07-Jan-2011 15:10

ob



Spectrum Information: Scan 980

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	9159	PASS
75	95	30	60	46.9	22744	PASS
95	95	100	100	100.0	48464	PASS
96	95	5	9	8.1	3928	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	62.0	30024	PASS
175	174	5	9	7.0	2109	PASS
176	174	95	101	98.7	29624	PASS
177	176	5	9	6.6	1949	PASS

Aqua Pro-Tech Laboratories
Volatile Organic Initial Calibration

Client: TERMS ENVIRONMENTAL

Project: Vet Park

Calibration Date: 4-Jan-11

Lab File ID: RRF5: 1V2067.D RRF40: 1V2068.D RRF80: 1V2069.D

RRF120: 1V2070.D RRF200: 1V2071.D RRF400: 1V2072.D

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	RRF5	RRF40	RRF80	RRF120	RRF200	RRF400	Avg RRF	% RSD	Cal Type
Dichlorodifluoromethane		0.110	0.140	0.160	0.190	0.200	0.160	23.0	Average RRF
Chloromethane		0.640	0.680	0.760	0.820	0.880	0.756	13.0	Average RRF
Vinyl Chloride	0.570	0.680	0.690	0.740	0.800	0.840	0.720	13.4	Average RRF
Bromomethane		0.360	0.370	0.350	0.360	0.380	0.364	3.13	Average RRF
Chloroethane		0.500	0.500	0.550	0.530	0.490	0.514	4.88	Average RRF
Trichlorofluoromethane	0.150	0.600	0.680	0.740	0.780	0.830	0.630	39.4	Average RRF
1,1-Dichloroethene	0.970	1.16	1.18	1.22	1.26	1.29	1.18	9.63	Average RRF
1,1,2-Trichloro-1,2,2 Trifluoroethane	1.36	1.14	1.28	1.23	1.37	1.30	1.28	6.72	
Carbon Disulfide	2.11	2.30	2.31	2.44	2.51	2.53	2.37	6.71	Average RRF
Acrolein									Average RRF
Methylene Chloride	0.660	0.810	0.800	0.780	0.920	0.840	0.802	10.6	Average RRF
Acetone		0.100	0.100	0.100	0.160	0.100	0.112	24.0	Average RRF
Methyl Acetate		0.300	0.290	0.260	0.360	0.200	0.282	20.7	Average RRF
trans-1,2-Dichloroethene	1.03	1.30	1.34	1.41	1.45	1.38	1.32	11.4	Average RRF
Methyl tert-Butyl Ether	1.77	1.84	1.72	1.50	2.05	1.49	1.73	12.3	Average RRF
tert-Butyl Alcohol		0.0300	0.0300	0.0200	0.0500	0.0400	0.0340	33.5	Average RRF
1,1-Dichloroethane	1.32	1.69	1.68	1.69	1.87	1.83	1.68	11.6	Average RRF
Acrylonitrile					0.0100	0.0100	0.0100	0.00	Average RRF
Vinyl Acetate	1.29	1.29	1.28	1.07	1.53	1.02	1.25	14.7	Average RRF
cis-1,2-Dichloroethene	1.12	1.36	1.27	1.25	1.43	1.27	1.28	8.21	Average RRF
2,2-Dichloropropane	1.15	1.37	1.37	1.40	1.49	1.28	1.34	8.65	Average RRF
Bromochloromethane		0.780	0.800	0.750	0.950	0.770	0.810	9.92	Average RRF
Chloroform	1.40	1.55	1.53	1.54	1.69	1.52	1.54	6.01	Average RRF
Cyclohexane	1.03	0.880	0.890	0.890	0.950	0.840	0.913	7.35	Average RRF
Carbon Tetrachloride	0.770	1.05	1.10	1.09	1.19	1.06	1.04	13.7	Average RRF
Dibromofluoromethane	2.40	2.40	2.33	2.21	2.52	2.20	2.34	5.27	Average RRF
1,1,1-Trichloroethane	1.08	1.23	1.24	1.23	1.34	1.18	1.22	6.99	Average RRF
2-Butanone		0.260	0.220	0.180	0.290	0.160	0.222	24.3	Average RRF
1,1-Dichloropropene	1.27	1.36	1.33	1.34	1.44	1.25	1.33	5.10	Average RRF
Benzene	3.82	3.75	3.55	3.54	3.75	3.12	3.59	7.15	Average RRF
1,2-Dichloroethane	0.460	0.730	0.730	0.650	0.860	0.630	0.677	19.7	Average RRF
Trichloroethene	0.250	0.380	0.400	0.410	0.430	0.420	0.382	17.5	Average RRF
Methylcyclohexane	0.680	0.520	0.470	0.520	0.510	0.530	0.538	13.5	Average RRF
Dibromomethane		0.110	0.120	0.110	0.160	0.140	0.128	16.9	Average RRF
1,2-Dichloropropane	0.270	0.490	0.470	0.460	0.540	0.470	0.450	20.6	Average RRF
Bromodichloromethane	0.280	0.520	0.490	0.460	0.560	0.490	0.467	20.9	Average RRF
p-Dioxane									Average RRF
2-Chloroethylvinyl Ether			0.0200	0.0200	0.0400	0.0300	0.0275	34.8	Average RRF
cis-1,3-Dichloropropene	0.580	0.680	0.660	0.630	0.760	0.630	0.657	9.27	Average RRF
Toluene-d8	5.23	5.25	5.39	5.49	5.60	6.38	5.56	7.69	Average RRF
Toluene	2.21	1.96	1.99	2.11	2.13	2.47	2.14	8.58	Average RRF
4-Methyl-2-Pentanone	0.250	0.310	0.260	0.230	0.340	0.290	0.280	14.6	Average RRF
trans-1,3-Dichloropropene	0.240	0.470	0.460	0.430	0.540	0.460	0.433	23.4	Average RRF

Aqua Pro-Tech Laboratories
Volatile Organic Initial Calibration

Client: TERMS ENVIRONMENTAL

Project: Vet Park

Calibration Date: 4-Jan-11

Lab File ID: RRF5: 1V2067.D RRF40: 1V2068.D RRF80: 1V2069.D
RRF120: 1V2070.D RRF200: 1V2071.D RRF400: 1V2072.D

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	RRF5	RRF40	RRF80	RRF120	RRF200	RRF400	Avg RRF	% RSD	Cal Type
Tetrachloroethene	0.170	0.370	0.380	0.420	0.410	0.480	0.372	28.5	Average RRF
1,1,2-Trichloroethane		0.230	0.220	0.210	0.270	0.230	0.232	9.83	Average RRF
Dibromochloromethane		0.210	0.220	0.220	0.290	0.270	0.242	14.7	Average RRF
1,3-Dichloropropane	0.400	0.520	0.500	0.430	0.580	0.480	0.485	13.3	Average RRF
1,2-Dibromoethane		0.220	0.200	0.190	0.270	0.230	0.222	14.0	Average RRF
2-Hexanone	0.160	0.240	0.200	0.170	0.260	0.240	0.212	19.5	Average RRF
Ethylbenzene	4.57	3.99	3.94	3.99	3.61	3.65	3.96	8.70	Average RRF
Chlorobenzene	2.13	1.89	1.87	1.85	1.80	1.76	1.88	6.90	Average RRF
1,1,1,2-Tetrachloroethane		0.540	0.510	0.520	0.530	0.470	0.514	5.26	Average RRF
m+p-Xylenes	1.61	1.38	1.33	1.39	1.29	1.31	1.38	8.44	Average RRF
o-Xylene	3.37	2.90	2.85	2.91	2.79	2.82	2.94	7.33	Average RRF
Styrene	2.34	2.16	2.09	2.13	2.18	2.14	2.17	4.01	Average RRF
Bromoform		0.160	0.180	0.170	0.230	0.190	0.186	14.5	Average RRF
Isopropylbenzene	4.51	3.69	3.65	3.77	3.46	3.67	3.79	9.67	Average RRF
4-Bromofluorobenzene	3.32	3.28	3.26	3.08	3.20	3.27	3.24	2.64	Average RRF
n-Propylbenzene	6.37	4.73	4.69	5.02	4.65	4.95	5.07	12.9	Average RRF
1,1,2,2-Tetrachloroethane		0.540	0.520	0.490	0.610	0.500	0.532	8.96	Average RRF
Bromobenzene	1.69	1.60	1.56	1.57	1.60	1.53	1.59	3.45	Average RRF
1,3,5-Trimethylbenzene	3.59	2.85	2.82	2.96	2.78	3.02	3.00	10.0	Average RRF
2-Chlorotoluene	3.71	2.89	2.86	2.99	2.83	2.94	3.04	11.0	Average RRF
1,2,3-Trichloropropane		0.0800	0.100	0.0900	0.130	0.110	0.102	18.9	Average RRF
4-Chlorotoluene	3.28	2.66	2.63	2.77	2.64	2.67	2.78	9.10	Average RRF
tert-Butylbenzene	3.04	2.61	2.66	2.85	2.62	2.86	2.77	6.19	Average RRF
1,2,4-Trimethylbenzene	3.42	2.89	2.82	2.95	2.77	2.90	2.96	7.94	Average RRF
sec-Butylbenzene	5.87	4.25	4.22	4.44	4.09	4.41	4.55	14.5	Average RRF
4-Isopropyltoluene	3.88	2.98	3.01	3.20	2.96	3.21	3.21	10.8	Average RRF
1,3-Dichlorobenzene	1.62	1.31	1.38	1.42	1.39	1.46	1.43	7.37	Average RRF
1,4-Dichlorobenzene	2.25	2.07	1.90	2.06	2.00	2.00	2.05	5.70	Average RRF
n-Butylbenzene	8.26	5.62	5.48	6.33	5.31	5.74	6.12	18.0	Average RRF
1,2-Dichlorobenzene	1.80	1.69	1.66	1.83	1.78	1.75	1.75	3.74	Average RRF
Indan									Average RRF
1,2-Dibromo-3-chloropropane			0.0400	0.0400	0.100	0.0800	0.0650	46.2	Average RRF
Hexachlorobutadiene		0.560	0.570	0.680	0.610	0.670	0.618	8.97	Average RRF
1,2,4-Trichlorobenzene	1.13	0.920	0.970	1.00	1.05	0.970	1.01	7.34	Average RRF
Naphthalene		1.67	1.60	1.51	1.86	1.49	1.63	9.19	Average RRF
1,2,3-Trichlorobenzene		0.690	0.720	0.730	0.800	0.730	0.734	5.50	Average RRF

Average %RSD = 12.7

Data File : G:\HPChem\1\Data\01042011\1V2066.D

Acq On : 4 Jan 2011 4:37 pm

Sample : BFB

Misc : soil

MS Integration Params: RTEINT.P

Method : G:\HPCHEM\1\METHODS\0104V01.M (RTE Integrator)

Title : VOC's by EPA Method 8260

Vial: 3

Operator: omd

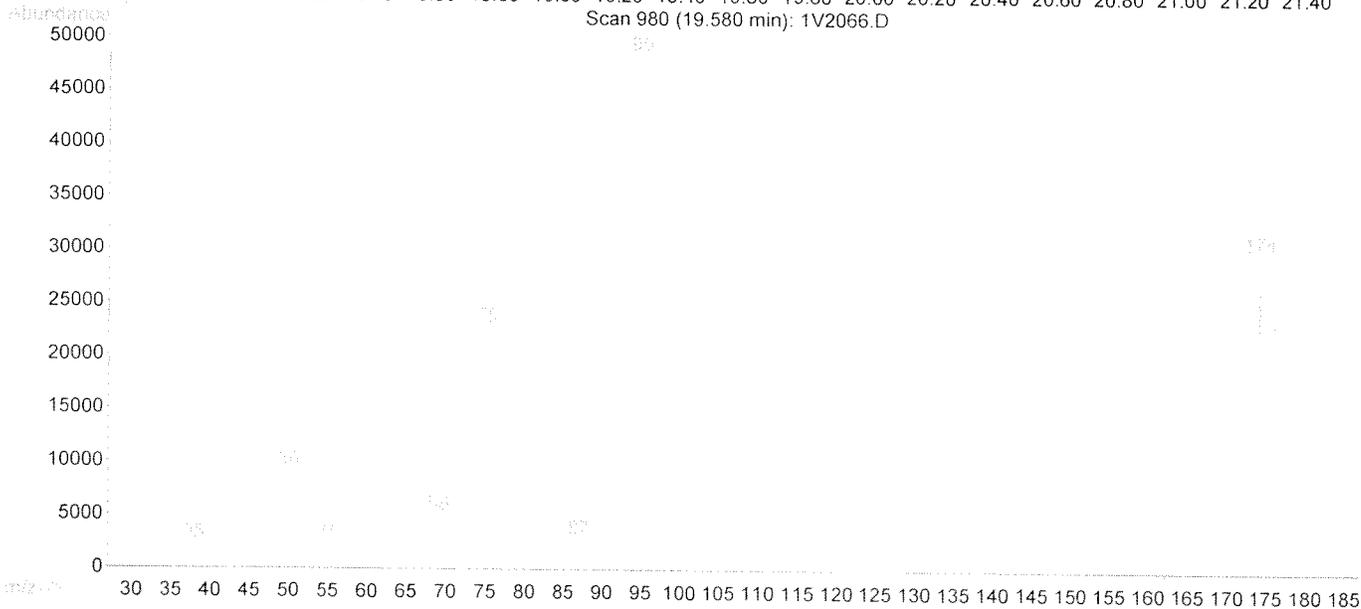
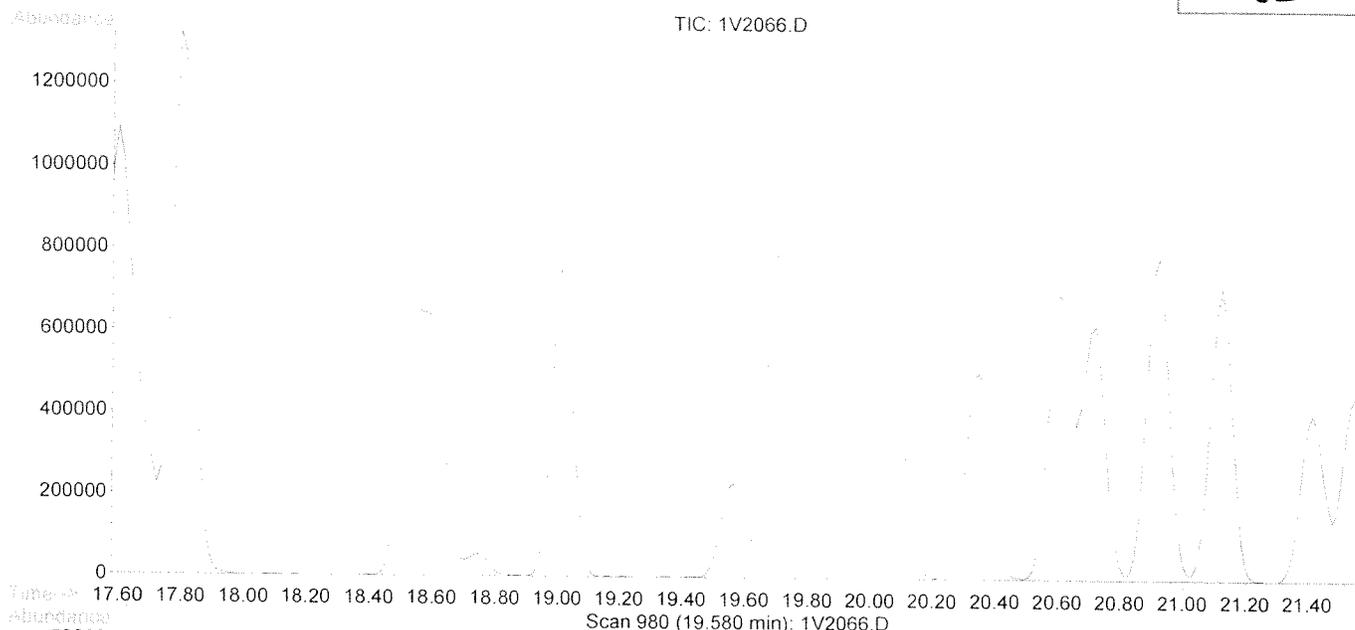
Inst : GC/MS-1

Multiplr: 1.00

123

Approved:
07-Jan-2011 15:10

ob



Spectrum Information: Scan 980

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	9159	PASS
75	95	30	60	46.9	22744	PASS
95	95	100	100	100.0	48464	PASS
96	95	5	9	8.1	3928	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	62.0	30024	PASS
175	174	5	9	7.0	2109	PASS
176	174	95	101	98.7	29624	PASS
177	176	5	9	6.6	1949	PASS

Aqua Pro-Tech Laboratories
Volatile Organics Continuing Calibration Check

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Client: TERMS ENVIRONMENTAL

Project: Vet Park

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	Avg RRF	CCC RRF	Min RRF	RRF %D	Conc	CCC Conc	Conc %D	Max %D	Cal Type
Dichlorodifluoromethane	0.160	0.214		33.7	200	258	29.1		Average RRF
Chloromethane	0.756	0.927		22.6	200	244	22.2		Average RRF
Vinyl Chloride	0.720	0.925		28.5	200	256	27.9		Average RRF
Bromomethane	0.364	0.350		3.96	200	190	4.88		Average RRF
Chloroethane	0.514	0.650		26.5	200	252	26.0		Average RRF
Trichlorofluoromethane	0.630	0.954		51.4	200	301	50.5		Average RRF
1,1-Dichloroethene	1.18	1.21		2.43	200	204	2.01		Average RRF
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.28	1.64		27.9	200	255	27.5		
Carbon Disulfide	2.37	3.12		32.0	200	264	31.9		Average RRF
Acrolein		0.00			200	0.00	100		Average RRF
Methylene Chloride	0.802	0.812		1.24	200	201	0.747		Average RRF
Acetone	0.112	0.0965		13.8	200	168	15.9		Average RRF
Methyl Acetate	0.282	0.333		18.2	200	232	16.2		Average RRF
trans-1,2-Dichloroethene	1.32	1.49		13.2	200	226	13.0		Average RRF
Methyl tert-Butyl Ether	1.73	1.63		5.67	200	188	5.92		Average RRF
tert-Butyl Alcohol	0.0340	0.0291		14.4	2000	1520	23.9		Average RRF
1,1-Dichloroethane	1.68	1.91		13.5	200	226	13.2		Average RRF
Acrylonitrile	0.0100	0.00890		11.0	200	128	35.8		Average RRF
Vinyl Acetate	1.25	0.877		29.6	200	140	29.9		Average RRF
cis-1,2-Dichloroethene	1.28	1.37		6.61	200	212	6.25		Average RRF
2,2-Dichloropropane	1.34	1.65		22.5	200	244	22.2		Average RRF
Bromochloromethane	0.810	0.858		5.86	200	211	5.36		Average RRF
Chloroform	1.54	1.67		8.80	200	217	8.48		Average RRF
Cyclohexane	0.913	1.08		18.4	200	236	17.8		Average RRF
Carbon Tetrachloride	1.04	1.24		18.8	200	237	18.4		Average RRF
Dibromofluoromethane	2.34	2.12		9.36	50.0	45.2	9.54		Average RRF
1,1,1-Trichloroethane	1.22	1.41		16.0	200	231	15.6		Average RRF
2-Butanone	0.222	0.172		22.3	200	152	24.1		Average RRF
1,1-Dichloropropene	1.33	1.48		11.4	200	222	10.9		Average RRF
Benzene	3.59	3.82		6.46	200	213	6.29		Average RRF
1,2-Dichloroethane	0.677	0.718		6.11	200	211	5.28		Average RRF
Trichloroethene	0.382	0.464		21.5	200	239	19.5		Average RRF
Methylcyclohexane	0.538	0.647		20.2	200	238	18.9		Average RRF
Dibromomethane	0.128	0.134		4.77	200	207	3.36		Average RRF
1,2-Dichloropropane	0.450	0.526		16.9	200	231	15.7		Average RRF
Bromodichloromethane	0.467	0.535		14.7	200	227	13.5		Average RRF
p-Dioxane		0.00			200	0.00	100		Average RRF
2-Chloroethylvinyl Ether	0.0275	0.0393		42.9	200	232	16.0		Average RRF
cis-1,3-Dichloropropene	0.657	0.672		2.35	200	204	1.81		Average RRF
Toluene-d8	5.56	5.58		0.380	50.0	50.2	0.300		Average RRF
Toluene	2.14	2.31		7.80	200	215	7.55		Average RRF
4-Methyl-2-Pentanone	0.280	0.242		13.4	200	172	14.0		Average RRF
trans-1,3-Dichloropropene	0.433	0.471		8.69	200	215	7.53		Average RRF
Tetrachloroethene	0.372	0.466		25.3	200	248	23.9		Average RRF

Aqua Pro-Tech Laboratories
Volatile Organics Continuing Calibration Check

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Client: TERMS ENVIRONMENTAL
Project: Vet Park

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	Avg RRF	CCC RRF	Min RRF	RRF %D	Conc	CCC Conc	Conc %D	Max %D	Cal Type
1,1,2-Trichloroethane	0.232	0.236		1.90	200	202	0.818		Average RRF
Dibromochloromethane	0.242	0.245		1.16	200	197	1.74		Average RRF
1,3-Dichloropropane	0.465	0.501		3.38	200	205	2.45		Average RRF
1,2-Dibromoethane	0.222	0.224		0.856	200	199	0.638		Average RRF
2-Hexanone	0.212	0.182		14.0	200	170	15.2		Average RRF
Ethylbenzene	3.96	4.48		13.1	200	226	13.0		Average RRF
Chlorobenzene	1.88	2.06		9.18	200	218	8.95		Average RRF
1,1,1,2-Tetrachloroethane	0.514	0.573		11.6	200	222	11.2		Average RRF
m+p-Xylenes	1.38	1.51		9.29	400	436	8.91		Average RRF
o-Xylene	2.94	3.22		9.53	200	219	9.43		Average RRF
Styrene	2.17	1.98		8.69	200	182	8.84		Average RRF
Bromoform	0.186	0.180		3.17	200	191	4.65		Average RRF
Isopropylbenzene	3.79	3.90		2.89	200	206	2.81		Average RRF
4-Bromofluorobenzene	3.24	3.06		5.27	50.0	47.3	5.40		Average RRF
n-Propylbenzene	5.07	5.53		9.11	200	218	9.05		Average RRF
1,1,2,2-Tetrachloroethane	0.532	0.502		5.73	200	187	6.43		Average RRF
Bromobenzene	1.59	1.66		4.14	200	208	3.87		Average RRF
1,3,5-Trimethylbenzene	3.00	3.15		4.82	200	209	4.67		Average RRF
2-Chlorotoluene	3.04	3.19		4.90	200	210	4.76		Average RRF
1,2,3-Trichloropropane	0.102	0.108		5.78	200	199	0.354		Average RRF
4-Chlorotoluene	2.78	2.89		4.01	200	208	3.79		Average RRF
tert-Butylbenzene	2.77	3.00		8.16	200	216	8.01		Average RRF
1,2,4-Trimethylbenzene	2.96	3.15		6.51	200	213	6.36		Average RRF
sec-Butylbenzene	4.55	4.80		5.58	200	211	5.44		Average RRF
4-Isopropyltoluene	3.21	3.47		8.13	200	216	7.97		Average RRF
1,3-Dichlorobenzene	1.43	1.38		3.85	200	192	4.01		Average RRF
1,4-Dichlorobenzene	2.05	2.46		20.0	200	239	19.7		Average RRF
n-Butylbenzene	6.12	7.58		23.9	200	247	23.7		Average RRF
1,2-Dichlorobenzene	1.75	2.00		13.9	200	227	13.6		Average RRF
Indan		0.00			200	0.00	100		Average RRF
1,2-Dibromo-3-chloropropane	0.0650	0.0396		39.1	200	113	43.7		Average RRF
Hexachlorobutadiene	0.618	0.751		21.6	200	242	20.8		Average RRF
1,2,4-Trichlorobenzene	1.01	1.06		5.73	200	211	5.46		Average RRF
Naphthalene	1.63	1.59		2.09	200	195	2.34		Average RRF
1,2,3-Trichlorobenzene	0.734	0.747		1.74	200	202	1.13		Average RRF

Average Conc %D = 15.9

Data File : G:\HPChem\1\Data\01212011\1V2261.D

Acq On : 21 Jan 2011 10:51 am

Sample : 200 ppb m5035A ccv

Misc : soil

MS Integration Params: RTEINT.P

Quant Time: Jan 21 11:25 2011

Vial: 2

Operator: omd

Inst : GC/MS-1

Multiplr: 1.00

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Quant Results File: 0104V01.RES

Quant Method : G:\HPCHEM\1\METHODS\0104V01.M (RTE Integrator)

Title : VOC's by EPA Method 8260

Last Update : Thu Jan 13 14:31:51 2011

Response via : Initial Calibration

DataAcq Meth : VOCRUN1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	12.14	168	52071	50.00	ug/kg	0.09
33) 1,4-Difluorobenzene	13.02	114	99047	50.00	ug/kg	0.08
52) Chlorobenzene-d5	17.61	82	61675	50.00	ug/kg	0.09
74) 1,4-Dichlorobenzene-d4	21.56	152	32698	50.00	ug/kg	0.09

System Monitoring Compounds

26) Dibromofluoromethane	11.52	113	110605	45.23	ug/kg	0.08
Spiked Amount	50.000	Range 59 - 147	Recovery	=	90.46%	
43) Toluene-d8	15.13	98	552468	50.15	ug/kg	0.09
Spiked Amount	50.000	Range 66 - 134	Recovery	=	100.30%	
62) 4-Bromofluorobenzene	19.59	95	189001	47.30	ug/kg	0.10
Spiked Amount	50.000	Range 64 - 125	Recovery	=	94.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.79	85	44553	258.19	ug/kg	88
3) Chloromethane	5.28	50	193040	244.41	ug/kg	99
5) Vinyl Chloride	5.47	62	192750	255.74	ug/kg	90
6) Bromomethane	6.19	94	72822	190.24	ug/kg#	98
7) Chloroethane	6.44	64	135448	251.93	ug/kg	93
8) Trichlorofluoromethane	6.76	101	198693	300.93	ug/kg	99
9) 1,1,2-Trichloro-1,2,2 Trif	7.79	101	341070	254.94	ug/kg#	78
10) Acetone	8.82	43	20097	168.15	ug/kg#	39
11) 1,1-Dichloroethene	7.76	61	251759	204.01	ug/kg	84
12) tert-Butyl Alcohol	9.27	59	60592	1522.80	ug/kg#	74
13) Methyl Acetate	9.01	43	69416	232.34	ug/kg	93
14) Methylene Chloride	8.76	84	169048	201.49	ug/kg	94
15) Carbon Disulfide	7.88	76	650813	263.86	ug/kg	99
16) Acrylonitrile	11.22	53	1859m	128.34	ug/kg	
17) Methyl tert-Butyl Ether	9.17	73	339589	188.16	ug/kg	98
18) trans-1,2-Dichloroethene	9.03	61	310811	225.94	ug/kg	86
19) 1,1-Dichloroethane	10.04	63	397256	226.33	ug/kg	99
20) Vinyl Acetate	10.33	43	182757	140.25	ug/kg	94
21) 2-Butanone	11.69	43	35932	151.80	ug/kg#	64
22) 2,2-Dichloropropane	11.05	77	342842	244.40	ug/kg	96
23) cis-1,2-Dichloroethene	10.86	61	284965	212.50	ug/kg	97
24) Chloroform	11.23	83	348615	216.97	ug/kg	100
25) Bromochloromethane	11.19	49	178612	210.71	ug/kg	57
27) Cyclohexane	11.23	56	225163	235.58	ug/kg	96
28) 1,1,1-Trichloroethane	11.63	97	293869	231.29	ug/kg	95
29) 1,1-Dichloropropene	11.80	75	308929	221.81	ug/kg	86
30) Carbon Tetrachloride	11.54	117	258218	236.85	ug/kg	96
31) 1,2-Dichloroethane	12.46	62	149543	210.55	ug/kg	96
32) Benzene	12.19	78	795691	212.59	ug/kg	100
34) Trichloroethene	13.03	130	183660	238.98	ug/kg	85
35) Methylcyclohexane	13.06	83	256340	237.77	ug/kg	91
36) 1,2-Dichloropropane	13.85	63	208487	231.34	ug/kg	99
37) Bromodichloromethane	13.88	83	212072	227.08	ug/kg	95
39) Dibromomethane	13.71	174	53134	206.72	ug/kg#	38
40) 2-Chloroethylvinyl Ether	14.63	63	15572m	232.07	ug/kg	
41) 4-Methyl-2-Pentanone	15.72	43	96081	172.08	ug/kg	97
42) cis-1,3-Dichloropropene	14.83	75	266269	203.61	ug/kg	92
44) Toluene	15.23	91	916158	215.09	ug/kg	100
45) trans-1,3-Dichloropropene	15.81	75	186610	215.06	ug/kg	89
46) 1,1,2-Trichloroethane	16.09	97	93671	201.64	ug/kg	97
47) 2-Hexanone	17.01	43	72141	169.69	ug/kg#	94
48) 1,3-Dichloropropane	16.55	76	198630	204.91	ug/kg	98
49) Tetrachloroethene	15.86	166	184495	247.73	ug/kg	98
50) Dibromochloromethane	16.41	129	96985	196.52	ug/kg	100

(#)= qualifier out of range (m) = manual integration

1V2261.D 0104V01.M

Tue Jan 25 12:45:14 2011

Data File : G:\HPChem\1\Data\01212011\1V2261.D
 Acq On : 21 Jan 2011 10:51 am
 Sample : 200 ppb m5035A ccv
 Misc : soil
 MS Integration Params: RTEINT.P
 Quant Time: Jan 21 11:25 2011

Vial: 2
 Operator: omd
 Inst : GC/MS-1
 Multiplr: 1.00

127

Quant Results File: 0104VO1.RES

Quant Method : G:\HPCHEM\1\METHODS\0104VO1.M (RTE Integrator)
 Title : VOC's by EPA Method 8260
 Last Update : Thu Jan 13 14:31:51 2011
 Response via : Initial Calibration
 DataAcq Meth : VOCRUN1

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
51) 1,2-Dibromoethane	16.87	107	88706	198.72	ug/kg#	90
53) Chlorobenzene	17.66	112	507259	217.90	ug/kg	98
54) 1,1,1,2-Tetrachloroethane	17.72	131	141468	222.38	ug/kg	85
55) Ethylbenzene	17.61	91	1104317	225.97	ug/kg	89
56) m+p-Xylenes	17.83	106	746792	435.64	ug/kg	79
57) o-Xylene	18.55	91	794391	218.86	ug/kg	89
58) Styrene	18.63	104	489585	182.33	ug/kg	90
59) Isopropylbenzene	19.05	105	962418	205.63	ug/kg#	89
60) Bromoform	18.77	173	44438	190.70	ug/kg	96
61) 1,1,2,2-Tetrachloroethane	19.83	83	123720	187.15	ug/kg	99
63) 1,2,3-Trichloropropane	20.14	110	26608	199.29	ug/kg	97
64) n-Propylbenzene	19.72	91	1364219	218.10	ug/kg#	89
65) Bromobenzene	19.83	77	408924	207.75	ug/kg	68
66) 2-Chlorotoluene	20.09	91	785842	209.52	ug/kg	85
67) 4-Chlorotoluene	20.37	91	712024	207.59	ug/kg	86
68) 1,3,5-Trimethylbenzene	20.02	105	776661	209.34	ug/kg	86
69) tert-Butylbenzene	20.64	119	739970	216.03	ug/kg#	79
70) 1,2,4-Trimethylbenzene	20.74	105	777308	212.72	ug/kg	88
71) sec-Butylbenzene	20.94	105	1184282	210.89	ug/kg	93
72) 4-Isopropyltoluene	21.16	119	855399	215.94	ug/kg#	90
73) 1,3-Dichlorobenzene	21.45	146	339207	191.99	ug/kg#	90
75) 1,4-Dichlorobenzene	21.59	146	321357	239.35	ug/kg#	84
76) n-Butylbenzene	21.90	91	991896	247.44	ug/kg	90
77) 1,2-Dichlorobenzene	22.38	146	260985	227.23	ug/kg#	90
78) 1,2-Dibromo-3-chloropropan	23.90	75	5174	112.61	ug/kg#	18
79) 1,2,4-Trichlorobenzene	25.34	180	139208	210.92	ug/kg	91
80) Hexachlorobutadiene	25.17	225	98287	241.66	ug/kg	96
81) Naphthalene	26.13	128	208222	195.32	ug/kg	97
82) 1,2,3-Trichlorobenzene	26.59	180	97670	202.26	ug/kg	97

Quantitation Report

Data File : G:\HPChem\1\Data\01212011\1V2261.D
Acq On : 21 Jan 2011 10:51 am
Sample : 200 ppb m5035A ccv
Misc : soil
MS Integration Params: RTEINT.P
Quant Time: Jan 21 11:25 2011

Vial: 2
Operator: omd
Inst : GC/MS-1
Multiplr: 1.00

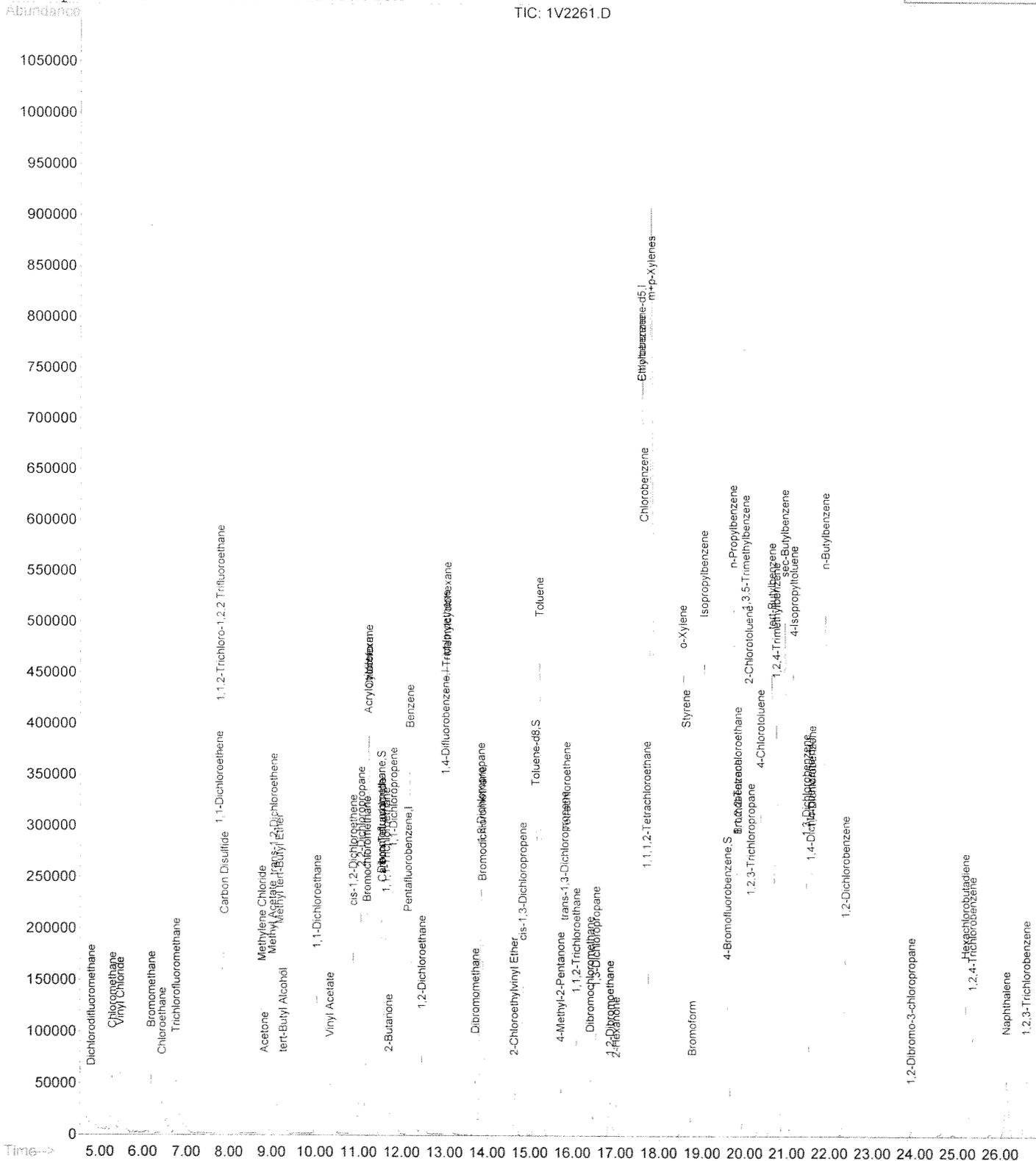
128

Quant Results File: 0104V01.RES

Method : G:\HPChem\1\Methods\0104V01.M (RTE Integrator)
Title : VOC's by EPA Method 8260
Last Update : Thu Jan 13 14:31:51 2011
Response via : Initial Calibration

Approved:
25-Jan-2011 12:42

OD



Aqua Pro-Tech Laboratories
 Volatile Internal Standard Area and RT Summary

Client: TERMS ENVIRONMENTAL
 Project: Vet Park
 Lab File ID (Standard): 1V2261.D

Date Acquired: 21-Jan-11
 Time Acquired: 10:51

IS1= Pentafluorobenzene
 IS2= 1,4-Difluorobenzene
 IS3= Chlorobenzene-d5
 IS4= 1,4-Dichlorobenzene-d4

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

* Denotes values outside of method required QC limits

	IS1 Area	RT	IS2 Area	RT	IS3 Area	RT	IS4 Area	RT
12 Hour Std.	52071	12.14	99047	13.02	61675	17.61	32698	21.56
Upper Limit	104142	12.64	198094	13.52	123350	18.11	65396	22.06
Lower Limit	26036	11.64	49524	12.52	30838	17.11	16349	21.06
Client Sample								
Blank - 1	68769	12.15	133712	13.02	74771	17.62	45647	21.56
Comp A	51911	12.14	114212	13.01	76020	17.62	54080	21.55
Comp B	48489	12.13	105804	13.01	67182	17.62	43304	21.54

Semi-Volatile Organics

by

GC/MS

Aqua Pro-Tech Laboratories
Sample Location and Identification
GC/MS SEMI-VOLATILES

Client Sample Number	Aqua Pro-Tech Sample Number	Matrix
Comp A	11010298-001	Soil
Comp B	11010298-002	Soil

Aqua Pro-Tech Laboratories
Laboratory Chronicle
GC/MS SEMI-VOLATILES

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	Date Performed	Performed By
Receipt/Refrigeration:	1/11/11	KPONSI

Analysis	Date Extracted	Extracted By	Date Analyzed	Analyzed By
11010298-001	01/19/2011	AUGUST	01/24/2011	S. Pradhan
11010298-002	01/19/2011	AUGUST	01/24/2011	S. Pradhan

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

133

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Matrix: Soil

Client Sample:

Comp A

Sample Weight 15.0 Grams

Lab Sample ID: 11010298-001

% Moisture: 15.2%

Lab File ID: 5S0457.D

Extract Volume: 1 mL

Date Collected: 11-Jan-11

Date Extracted: 19-Jan-11

Date Analyzed: 24-Jan-11

Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	226	393
62-75-9	n-Nitroso-dimethylamine		U	354	393
100-52-7	Benzaldehyde		U	117	393
62-53-3	Aniline		U	17.3	393
108-95-2	Phenol		U	17.3	393
111-44-4	bis(2-Chloroethyl)ether		U	24.4	393
95-57-8	2-Chlorophenol		U	16.5	393
541-73-1	1,3-Dichlorobenzene		U	23.6	393
106-46-7	1,4-Dichlorobenzene		U	29.9	393
100-51-6	Benzyl Alcohol		U	545	393
95-50-1	1,2-Dichlorobenzene		U	18.1	393
95-48-7	2-Methylphenol		U	18.1	393
108-60-1	bis(2-Chloroisopropyl)ether		U	19.7	393
98-86-2	Acetophenone		U	104	393
1319-77-3	3+4-Methylphenol		U	29.9	393
621-64-7	n-Nitroso-di-n-propylamine		U	34.6	393
67-72-1	Hexachloroethane		U	22.0	393
98-95-3	Nitrobenzene		U	15.7	393
78-59-1	Isophorone		U	16.5	393
88-75-5	2-Nitrophenol		U	167	393
105-67-9	2,4-Dimethylphenol		U	22.0	393
111-91-1	bis(2-Chloroethoxy)methane		U	26.7	393
120-83-2	2,4-Dichlorophenol		U	48.7	393
65-85-0	Benzoic Acid		U	498	786
120-82-1	1,2,4-Trichlorobenzene		U	27.5	393
91-20-3	Naphthalene		U	17.3	393
87-65-0	2,6-Dichlorophenol		U	20.4	393
106-47-8	4-Chloroaniline		U	23.6	393
87-68-3	Hexachlorobutadiene		U	22.8	393
105-60-2	Caprolactam		U	71.5	393
59-50-7	4-Chloro-3-methylphenol		U	27.5	393
91-57-6	2-Methylnaphthalene		U	20.4	393
77-47-4	Hexachlorocyclopentadiene		U	322	786
88-06-2	2,4,6-Trichlorophenol		U	20.4	393
95-95-4	2,4,5-Trichlorophenol		U	40.1	393
92-52-4	Biphenyl		U	77.0	393
91-58-7	2-Chloronaphthalene		U	15.7	393
88-74-4	2-Nitroaniline		U	8.65	393
131-11-3	Dimethylphthalate		U	22.8	393

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

134

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Matrix: Soil

Client Sample:

Comp A

Sample Weight	15.0 Grams	Lab Sample ID:	11010298-001
% Moisture:	15.2%	Lab File ID:	5S0457.D
Extract Volume:	1 mL	Date Collected:	11-Jan-11
		Date Extracted:	19-Jan-11
		Date Analyzed:	24-Jan-11
		Dilution Factor:	1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
208-96-8	Acenaphthylene	272		12.6	393
606-20-2	2,6-Dinitrotoluene		U	33.0	393
99-09-2	3-Nitroaniline		U	384	393
83-32-9	Acenaphthene	95		15.7	393
51-28-5	2,4-Dinitrophenol		U	30.7	786
132-64-9	Dibenzofuran		U	17.3	393
100-02-7	4-Nitrophenol		U	103	393
121-14-2	2,4-Dinitrotoluene		U	30.7	393
58-90-2	2,3,4,6-Tetrachlorophenol		U	512	393
86-73-7	Fluorene	103		11.8	393
84-66-2	Diethylphthalate		U	849	393
7005-72-3	4-Chlorophenyl phenyl ether		U	21.2	393
100-01-6	4-Nitroaniline		U	215	393
534-52-1	4,6-Dinitro-2-methylphenol		U	222	393
86-30-6	n-Nitrosodiphenylamine		U	17.3	393
103-33-3	1,2-Diphenylhydrazine		U	13.4	393
101-55-3	4-Bromophenyl-phenyl ether		U	25.2	393
118-74-1	Hexachlorobenzene		U	35.4	393
1912-24-9	Atrazine		U	64.5	393
87-86-5	Pentachlorophenol		U	167	786
85-01-8	Phenanthrene	1260		6.29	393
120-12-7	Anthracene	562		11.0	393
86-74-8	Carbazole		U	24.4	393
84-74-2	Di-n-butylphthalate		U	37.7	393
206-44-0	Fluoranthene	2790		19.7	393
92-87-5	Benzidine		U	369	393
129-00-0	Pyrene	2280		11.0	393
85-68-7	Butylbenzylphthalate		U	14.9	393
56-55-3	Benzo(a)anthracene	1730		13.4	393
91-94-1	3,3'-Dichlorobenzidine		U	206	393
218-01-9	Chrysene	1580		15.7	393
117-81-7	bis(2-Ethylhexyl)phthalate	160	BJ	269	393
117-84-0	Di-n-octylphthalate		U	24.4	393
205-99-2	Benzo(b)fluoranthene	1990		26.7	393
207-08-9	Benzo(k)fluoranthene	871		21.2	393
50-32-8	Benzo(a)pyrene	1640		14.9	393
193-39-5	Indeno(1,2,3-cd)pyrene	943		10.2	393
53-70-3	Dibenzo(a,h)anthracene	108		12.6	393
191-24-2	Benzo(g,h,i)perylene	1040		20.4	393

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Matrix: Soil

Client Sample:

Comp A

Sample Weight	15.0 Grams	Lab Sample ID:	11010298-001
% Moisture:	15.2%	Lab File ID:	5S0457.D
Extract Volume:	1 mL	Date Collected:	11-Jan-11
		Date Extracted:	19-Jan-11
		Date Analyzed:	24-Jan-11
		Dilution Factor:	1

CAS No.	Compound	Est. Conc.	Q	RT
3674-66-6	Phenanthrene, 2,5-dimethyl-	325	JN	17.63
238-84-6	11H-Benzo[a]fluorene	499	JN	18.83
3442-78-2	Pyrene, 2-methyl-	319	JN	18.97
	unknown	538	J	21.18
192-97-2	Benzo[e]pyrene	870	JN	21.54
205-99-2	Benz[e]acephenanthrylene	1370	JN	21.79

Number of TICs found: 6
Total Est. Concentration: 3921 ug/kg

Data File : G:\HPChem\5\Data\01242011\5S0457.D
 Acq On : 24 Jan 2011 1:25 pm
 Sample : 11010298-001
 Misc : SOIL (2122-019)
 MS Integration Params: rteint.p
 Quant Time: Jan 25 11:05 2011

Vial: 4
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

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Quant Results File: 1201ABNS.RES

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method
 Last Update : Tue Jan 25 11:04:44 2011
 Response via : Initial Calibration
 DataAcq Meth : RUN8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.91	152	49892	40.00	ug/kg	0.00
21) Naphthalene-d8	8.56	136	216066	40.00	ug/kg	0.00
38) Acenaphthene-d10	12.26	164	157250	40.00	ug/kg	0.00
60) Phenanthrene-d10	15.39	188	314033	40.00	ug/kg	0.00
74) Chrysene-d12	20.02	240	455652	40.00	ug/kg	0.00
83) Perylene-d12	21.97	264	614494	40.00	ug/kg	0.01

System Monitoring Compounds

4) 2-Fluorophenol	3.35	112	112580	85.11	ug/kg	0.04
Spiked Amount 100.000	Range 52 - 97		Recovery =	85.11%		
7) Phenol-d6	5.45	99	190109	84.29	ug/kg	0.02
Spiked Amount 100.000	Range 53 - 100		Recovery =	84.29%		
22) Nitrobenzene-d5	7.11	82	95900	36.32	ug/kg	-0.02
Spiked Amount 50.000	Range 48 - 101		Recovery =	72.64%		
42) 2-Fluorobiphenyl	10.94	172	178581	36.37	ug/kg	0.00
Spiked Amount 50.000	Range 51 - 97		Recovery =	72.74%		
64) 2,4,6-Tribromophenol	13.96	62	73173	30.37	ug/kg	0.00
Spiked Amount 100.000	Range 18 - 131		Recovery =	30.37%		
77) p-Terphenyl-d14	18.60	244	341694	31.22	ug/kg	0.00
Spiked Amount 50.000	Range 27 - 112		Recovery =	62.44%		

Target Compounds

						Qvalue
47) Acenaphthylene	11.95	152	22596	3.46	ug/kg	99
50) Acenaphthene	12.33	153	5342	1.21	ug/kg	94
56) Fluorene	13.43	166	7410	1.32	ug/kg	88
69) Phenanthrene	15.43	178	140729	16.05	ug/kg	98
70) Anthracene	15.54	178	63998	7.15	ug/kg	97
73) Fluoranthene	17.89	202	420312	35.54	ug/kg	95
76) Pyrene	18.27	202	411363	29.04	ug/kg	93
79) Benzo(a)anthracene	20.01	228	277459	21.95	ug/kg	87
81) Chrysene	20.05	228	271629	20.05	ug/kg	92
82) bis(2-Ethylhexyl)phthalate	20.09	149	21661	2.04	ug/kg	95
85) Benzo(b)fluoranthene	21.39	252	445804m	25.31	ug/kg	
86) Benzo(k)fluoranthene	21.41	252	157808m	11.08	ug/kg	
87) Benzo(a)pyrene	21.87	252	329540	20.88	ug/kg	88
88) Indeno(1,2,3-cd)pyrene	24.03	276	248931	11.99	ug/kg	84
89) Dibenzo(a,h)anthracene	24.13	278	22824	1.37	ug/kg	91
90) Benzo(g,h,i)perylene	24.66	276	246412	13.18	ug/kg	98

Quantitation Report

Data File : G:\HPChem\5\Data\01242011\5S0457.D
Acq On : 24 Jan 2011 1:25 pm
Sample : 11010298-001
Misc : SOIL (2122-019)
MS Integration Params: rteint.p
Quant Time: Jan 25 11:05 2011

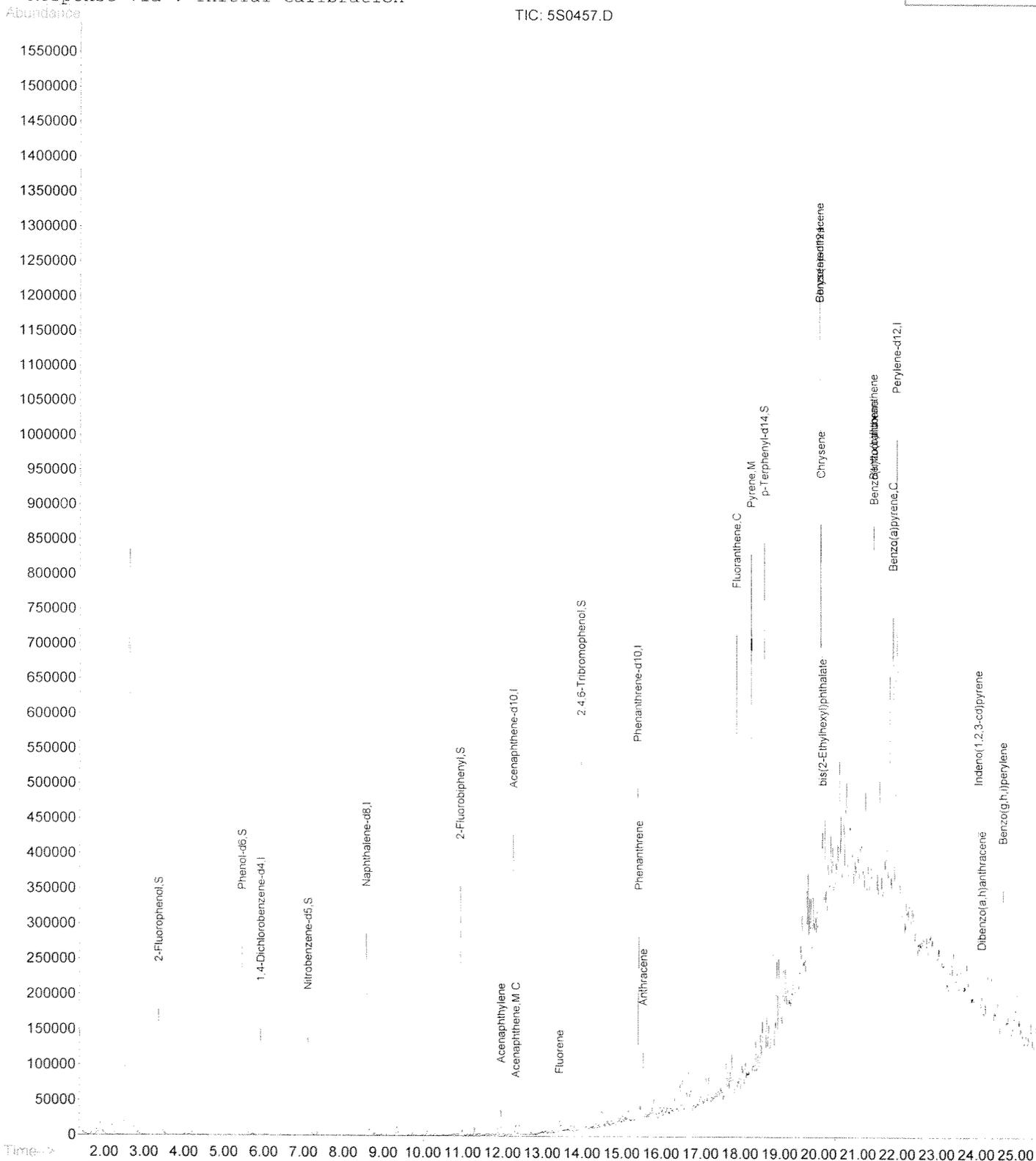
Vial: 4
Operator: sdp
Inst : GC/MS-5
Multiplr: 1.00

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Quant Results File: 1201ABNS.RES

Method : G:\HPChem\5\Methods\1201ABNS.M (RTE Integrator)
Title : BNA by EPA 8270C method
Last Update : Tue Jan 25 10:44:04 2011
Response via : Initial Calibration

Approved:
25-Jan-2011 11:45



Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Matrix: Soil

Client Sample:

Comp B

Sample Weight	15.0 Grams	Lab Sample ID:	11010298-002
% Moisture:	17.2%	Lab File ID:	5S0458.D
Extract Volume:	1 mL	Date Collected:	11-Jan-11
		Date Extracted:	19-Jan-11
		Date Analyzed:	24-Jan-11
		Dilution Factor:	1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	231	403
62-75-9	n-Nitroso-dimethylamine		U	362	403
100-52-7	Benzaldehyde		U	120	403
62-53-3	Aniline		U	17.7	403
108-95-2	Phenol		U	17.7	403
111-44-4	bis(2-Chloroethyl)ether		U	25.0	403
95-57-8	2-Chlorophenol		U	16.9	403
541-73-1	1,3-Dichlorobenzene		U	24.2	403
106-46-7	1,4-Dichlorobenzene		U	30.6	403
100-51-6	Benzyl Alcohol		U	558	403
95-50-1	1,2-Dichlorobenzene		U	18.5	403
95-48-7	2-Methylphenol		U	18.5	403
108-60-1	bis(2-Chloroisopropyl)ether		U	20.1	403
98-86-2	Acetophenone		U	106	403
1319-77-3	3+4-Methylphenol		U	30.6	403
621-64-7	n-Nitroso-di-n-propylamine		U	35.4	403
67-72-1	Hexachloroethane		U	22.5	403
98-95-3	Nitrobenzene		U	16.1	403
78-59-1	Isophorone		U	16.9	403
88-75-5	2-Nitrophenol		U	171	403
105-67-9	2,4-Dimethylphenol		U	22.5	403
111-91-1	bis(2-Chloroethoxy)methane		U	27.4	403
120-83-2	2,4-Dichlorophenol		U	49.9	403
65-85-0	Benzoic Acid		U	510	805
120-82-1	1,2,4-Trichlorobenzene		U	28.2	403
91-20-3	Naphthalene		U	17.7	403
87-65-0	2,6-Dichlorophenol		U	20.9	403
106-47-8	4-Chloroaniline		U	24.2	403
87-68-3	Hexachlorobutadiene		U	23.3	403
105-60-2	Caprolactam		U	73.3	403
59-50-7	4-Chloro-3-methylphenol		U	28.2	403
91-57-6	2-Methylnaphthalene		U	20.9	403
77-47-4	Hexachlorocyclopentadiene		U	330	805
88-06-2	2,4,6-Trichlorophenol		U	20.9	403
95-95-4	2,4,5-Trichlorophenol		U	41.1	403
92-52-4	Biphenyl		U	78.9	403
91-58-7	2-Chloronaphthalene		U	16.1	403
88-74-4	2-Nitroaniline		U	8.86	403
131-11-3	Dimethylphthalate		U	23.3	403

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

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Client: TERMS ENVIRONMENTAL
Project: Vet Park
Matrix: Soil

Client Sample:

Comp B

Sample Weight	15.0 Grams	Lab Sample ID:	11010298-002
% Moisture:	17.2%	Lab File ID:	5S0458.D
Extract Volume:	1 mL	Date Collected:	11-Jan-11
		Date Extracted:	19-Jan-11
		Date Analyzed:	24-Jan-11
		Dilution Factor:	1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
208-96-8	Acenaphthylene	209		12.9	403
606-20-2	2,6-Dinitrotoluene		U	33.8	403
99-09-2	3-Nitroaniline		U	393	403
83-32-9	Acenaphthene	190		16.1	403
51-28-5	2,4-Dinitrophenol		U	31.4	805
132-64-9	Dibenzofuran	111		17.7	403
100-02-7	4-Nitrophenol		U	105	403
121-14-2	2,4-Dinitrotoluene		U	31.4	403
58-90-2	2,3,4,6-Tetrachlorophenol		U	524	403
86-73-7	Fluorene	213		12.1	403
84-66-2	Diethylphthalate		U	870	403
7005-72-3	4-Chlorophenyl phenyl ether		U	21.7	403
100-01-6	4-Nitroaniline		U	221	403
534-52-1	4,6-Dinitro-2-methylphenol		U	228	403
86-30-6	n-Nitrosodiphenylamine		U	17.7	403
103-33-3	1,2-Diphenylhydrazine		U	13.7	403
101-55-3	4-Bromophenyl-phenyl ether		U	25.8	403
118-74-1	Hexachlorobenzene		U	36.2	403
1912-24-9	Atrazine		U	66.0	403
87-86-5	Pentachlorophenol		U	171	805
85-01-8	Phenanthrene	3680		6.44	403
120-12-7	Anthracene	1440		11.3	403
86-74-8	Carbazole		U	25.0	403
84-74-2	Di-n-butylphthalate		U	38.6	403
206-44-0	Fluoranthene	6430		20.1	403
92-87-5	Benzidine		U	378	403
129-00-0	Pyrene	5680		11.3	403
85-68-7	Butylbenzylphthalate	65.8		15.3	403
56-55-3	Benzo(a)anthracene	5050		13.7	403
91-94-1	3,3'-Dichlorobenzidine		U	211	403
218-01-9	Chrysene	4300		16.1	403
117-81-7	bis(2-Ethylhexyl)phthalate	176	BJ	275	403
117-84-0	Di-n-octylphthalate		U	25.0	403
205-99-2	Benzo(b)fluoranthene	3950		27.4	403
207-08-9	Benzo(k)fluoranthene	3170		21.7	403
50-32-8	Benzo(a)pyrene	4060		15.3	403
193-39-5	Indeno(1,2,3-cd)pyrene	2390		10.5	403
53-70-3	Dibenzo(a,h)anthracene	338		12.9	403
191-24-2	Benzo(g,h,i)perylene	2390		20.9	403

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Matrix: Soil

Client Sample:

Comp B

Sample Weight 15.0 Grams

Lab Sample ID: 11010298-002

% Moisture: 17.2%

Lab File ID: 5S0458.D

Extract Volume: 1 mL

Date Collected: 11-Jan-11

Date Extracted: 19-Jan-11

Date Analyzed: 24-Jan-11

Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT
	unknown	411	J	15.16
613-12-7	Anthracene, 2-methyl-	799	JN	16.48
832-64-4	Phenanthrene, 4-methyl-	1050	JN	16.54
610-48-0	Anthracene, 1-methyl-	585	JN	16.63
	unknown	1150	J	16.69
	unknown hydrocarbon	572	J	16.75
612-94-2	Naphthalene, 2-phenyl-	838	JN	17.14
84-65-1	9,10-Anthracenedione	520	JN	17.2
3674-66-6	Phenanthrene, 2,5-dimethyl-	920	JN	17.64
	unknown	450	J	17.69
243-17-4	11H-Benzo[b]fluorene	404	JN	18.8
2381-21-7	Pyrene, 1-methyl-	386	JN	18.83
3442-78-2	Pyrene, 2-methyl-	607	JN	18.98
82-05-3	7H-Benz[de]anthracen-7-one	416	JN	19.58
205-43-6	Benzo[b]naphtho[1,2-d]thiophene	438	JN	19.69
	unknown	456	J	19.72
	unknown	400	J	19.86
2498-77-3	Benz[a]anthracene, 1-methyl-	625	JN	20.52
	unknown	662	J	20.68
	unknown	1290	J	21.18
192-97-2	Benzo[e]pyrene	1350	JN	21.55
	unknown	816	J	21.69
205-99-2	Benz[e]acephenanthrylene	2900	JN	21.8
215-58-7	Benzo[b]triphenylene	751	JN	23.76
	unknown	1210	J	24.28

Number of TICs found: 25

Total Est. Concentration: 20006 ug/kg

Data File : G:\HPCHEM\5\Data\01242011\5S0458.D
 Acq On : 24 Jan 2011 1:58 pm
 Sample : 11010298-002
 Misc : SOIL (2122-019)
 MS Integration Params: rteint.p
 Quant Time: Jan 25 11:08 2011

Vial: 5
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

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Quant Results File: 1201ABNS.RES

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method
 Last Update : Tue Jan 25 11:08:14 2011
 Response via : Initial Calibration
 DataAcq Meth : RUN8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	50774	40.00	ug/kg	0.00
21) Naphthalene-d8	8.57	136	228275	40.00	ug/kg	0.00
38) Acenaphthene-d10	12.27	164	165968	40.00	ug/kg	0.00
60) Phenanthrene-d10	15.39	188	348586	40.00	ug/kg	0.00
74) Chrysene-d12	20.04	240	428555	40.00	ug/kg	0.00
83) Perylene-d12	21.98	264	654654	40.00	ug/kg	0.02

System Monitoring Compounds

4) 2-Fluorophenol	3.37	112	110139	81.81	ug/kg	0.06
Spiked Amount 100.000	Range 52 - 97		Recovery =	81.81%		
7) Phenol-d6	5.46	99	196380	85.56	ug/kg	0.03
Spiked Amount 100.000	Range 53 - 100		Recovery =	85.56%		
22) Nitrobenzene-d5	7.12	82	91074	32.65	ug/kg	0.00
Spiked Amount 50.000	Range 48 - 101		Recovery =	65.30%		
42) 2-Fluorobiphenyl	10.94	172	189926	36.65	ug/kg	0.00
Spiked Amount 50.000	Range 51 - 97		Recovery =	73.30%		
64) 2,4,6-Tribromophenol	13.97	62	82449	30.83	ug/kg	0.00
Spiked Amount 100.000	Range 18 - 131		Recovery =	30.83%		
77) p-Terphenyl-d14	18.60	244	369270	35.87	ug/kg	0.00
Spiked Amount 50.000	Range 27 - 112		Recovery =	71.74%		

Target Compounds

						Qvalue
47) Acenaphthylene	11.96	152	17840	2.59	ug/kg	97
50) Acenaphthene	12.33	153	11012	2.36	ug/kg	93
52) Dibenzofuran	12.72	168	10341	1.38	ug/kg	85
56) Fluorene	13.43	166	15683	2.64	ug/kg	84
69) Phenanthrene	15.45	178	444619	45.69	ug/kg	100
70) Anthracene	15.55	178	177403	17.85	ug/kg	98
73) Fluoranthene	17.92	202	1087769	79.91	ug/kg	93
76) Pyrene	18.30	202	938973	70.49	ug/kg	92
78) Butylbenzylphthalate	19.34	149	6145	0.82	ug/kg	95
79) Benzo(a)anthracene	20.02	228	745424	62.71	ug/kg	92
81) Chrysene	20.07	228	680155	53.38	ug/kg	94
82) bis(2-Ethylhexyl)phthalate	20.10	149	21853	2.19	ug/kg#	58
85) Benzo(b)fluoranthene	21.41	252	920696m	49.06	ug/kg	
86) Benzo(k)fluoranthene	21.41	252	598324m	39.42	ug/kg	
87) Benzo(a)pyrene	21.90	252	848144	50.45	ug/kg	88
88) Indeno(1,2,3-cd)pyrene	24.06	276	657336	29.72	ug/kg	83
89) Dibenzo(a,h)anthracene	24.14	278	74607	4.20	ug/kg	92
90) Benzo(g,h,i)perylene	24.68	276	590476	29.66	ug/kg	96

Quantitation Report

Data File : G:\HPChem\5\Data\01242011\5S0458.D
Acq On : 24 Jan 2011 1:58 pm
Sample : 11010298-002
Misc : SOIL (2122-019)
MS Integration Params: rteint.p
Quant Time: Jan 25 11:08 2011

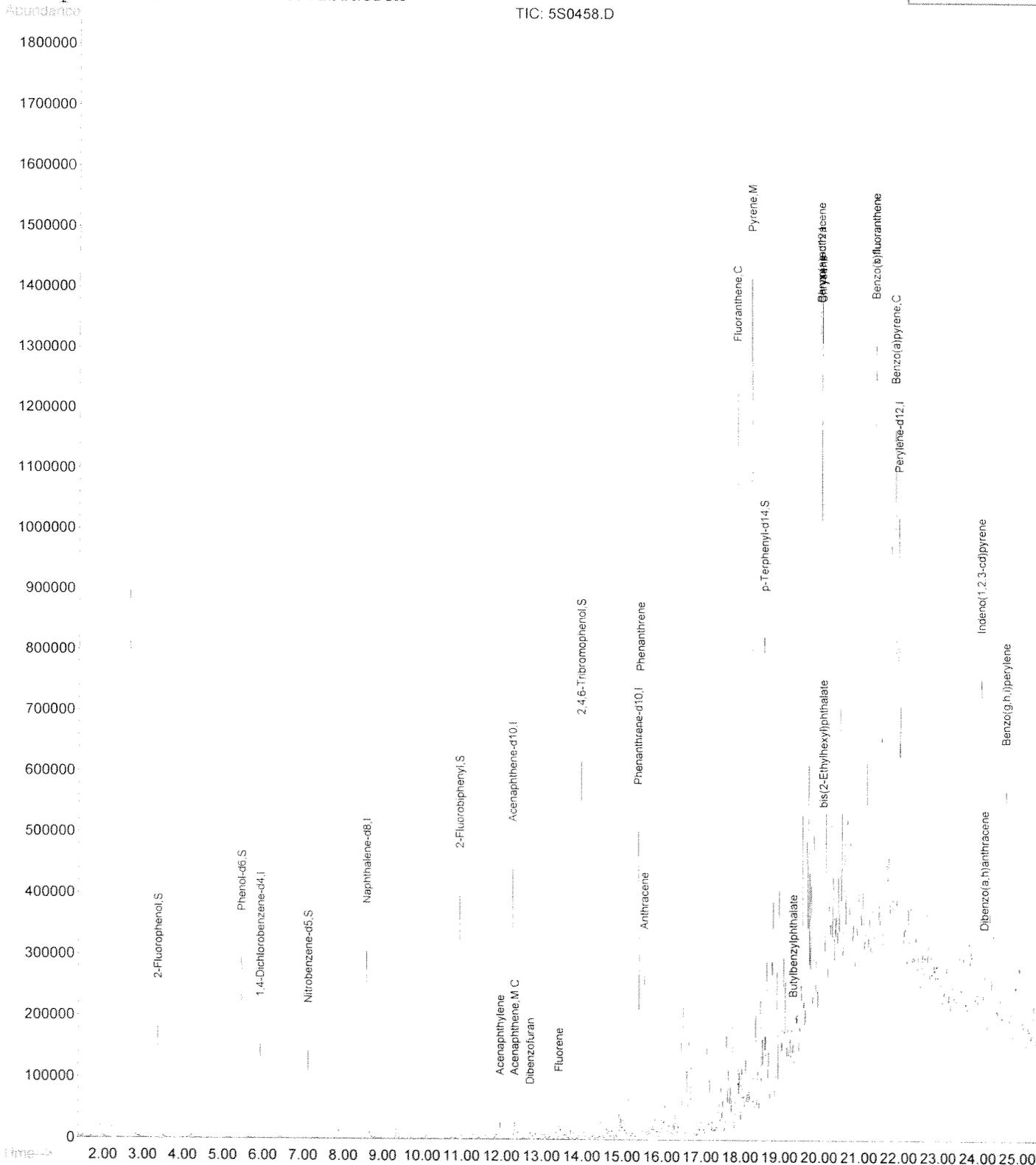
Vial: 5
Operator: sdp
Inst : GC/MS-5
Multiplr: 1.00

142

Quant Results File: 1201ABNS.RES

Method : G:\HPChem\5\Methods\1201ABNS.M (RTE Integrator)
Title : BNA by EPA 8270C method
Last Update : Tue Jan 25 10:44:04 2011
Response via : Initial Calibration

Approved:
25-Jan-2011 11:45



Form 2 Semi-Volatile Organics Soil
 Semi-Volatile System Monitoring (Surrogate) Compound Recovery

Client: TERMS ENVIRONMENTAL
 Project: Vet Park

QC Limits	(% Recovery)
S1 = 2-Fluorophenol	(52 - 97%)
S2 = Phenol-d6	(53 - 100%)
S3 = Nitrobenzene-d5	(48 - 101%)
S4 = 2-Fluorobiphenyl	(51 - 97%)
S5 = 2,4,6-Tribromophenol	(18 - 131%)
S6 = p-Terphenyl-d14	(27 - 112%)

* = Values outside of QC limits
 D = System Monitoring Compound diluted out
 N/A = Not Applicable To This Method

Sample ID	Sample Name	S1	S2	S3	S4	S5	S6	TOTAL OUT
11010298-001	Comp A	85	84	73	73	30	62	0
11010298-002	Comp B	82	86	65	73	31	72	0
Blank - 2122	Blank	85	85	72	76	58	53	0

Semi-Volatile Matrix Spike/Matrix Spike Duplicate Recovery

Client: TERMS ENVIRONMENTAL
Project: Vet Park

Sample File: 11010380-008 (G:\HPChem\5\Data\01262011\5S0492.D)

CAS	Compound	Spike Added (ug/kg)	Sample Concentration (ug/kg)	MS Concentration (ug/kg)	MS % Rec	QC Limits % Rec
95-57-8	2-Chlorophenol	4209	0	2769	66	57 - 96
621-64-7	n-Nitroso-di-n-propylamine	4209	0	2332	55*	60 - 108
208-96-8	Acenaphthylene	4209	194	3148	72	70 - 105
121-14-2	2,4-Dinitrotoluene	4209	0	2332	55	45 - 114
129-00-0	Pyrene	4209	648	3232	67	58 - 100
106-46-7	1,4 Dichlorobenzene	4209	0	2290	54*	58 - 89
120-82-1	1,2,4-Trichlorobenzene	4209	0	2096	50*	62 - 91
108-95-2	Phenol	4209	0	2879	68	59 - 98
59-50-7	4-Chloro-3-methylphenol	4209	0	2811	67	61 - 97
100-02-7	4-Nitrophenol	4209	0	3418	81	29 - 144
87-86-5	Pentachlorophenol	4209	0	2811	67	20 - 133

Compound	Spike Added (ug/kg)	MSD Concentration (ug/kg)	MSD % Rec	RPD %	QC Limits	
					RPD	% Rec
2-Chlorophenol	4209	3106	74	8	18	57 - 96
n-Nitroso-di-n-propylamine	4209	2761	66	10	11	60 - 108
Acenaphthylene	4209	3325	76	4	20	70 - 105
2,4-Dinitrotoluene	4209	2340	56	0	23	45 - 114
Pyrene	4209	3266	67	1	21	58 - 100
1,4 Dichlorobenzene	4209	2601	62	7	24	58 - 89
1,2,4-Trichlorobenzene	4209	2273	54*	4	40	62 - 91
Phenol	4209	3342	79	11	15	59 - 98
4-Chloro-3-methylphenol	4209	2946	70	3	32	61 - 97
4-Nitrophenol	4209	3140	75	7	20	29 - 144
Pentachlorophenol	4209	2685	64	3	19	20 - 133

* Values outside of QC limits

RPD: 0 out of 11 outside of limits

Spike Recovery: 4 out of 22 outside of limits

Data File : G:\HPChem\5\Data\01262011\5S0492.D
 Acq On : 26 Jan 2011 6:23 pm
 Sample : 11010380-008
 Misc : soil (2122-019)
 MS Integration Params: rteint.p
 Quant Time: Jan 27 12:46 2011

Vial: 16
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

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Quant Results File: 1201ABNS.RES

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method
 Last Update : Wed Jan 26 12:10:52 2011
 Response via : Initial Calibration
 DataAcq Meth : RUN8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	44142	40.00	ug/kg	0.01
21) Naphthalene-d8	8.58	136	202211	40.00	ug/kg	0.01
38) Acenaphthene-d10	12.28	164	145994	40.00	ug/kg	0.01
60) Phenanthrene-d10	15.41	188	308960	40.00	ug/kg	0.02
74) Chrysene-d12	20.03	240	400898	40.00	ug/kg	0.01
83) Perylene-d12	21.98	264	500064	40.00	ug/kg	0.03

System Monitoring Compounds

4) 2-Fluorophenol	3.39	112	94045	80.35	ug/kg	0.09
Spiked Amount 100.000	Range 52 - 97		Recovery =	80.35%		
7) Phenol-d6	5.47	99	157687	79.02	ug/kg	0.04
Spiked Amount 100.000	Range 53 - 100		Recovery =	79.02%		
22) Nitrobenzene-d5	7.13	82	74492	30.14	ug/kg	0.01
Spiked Amount 50.000	Range 48 - 101		Recovery =	60.28%		
42) 2-Fluorobiphenyl	10.95	172	138669	30.42	ug/kg	0.01
Spiked Amount 50.000	Range 51 - 97		Recovery =	60.84%		
64) 2,4,6-Tribromophenol	13.99	330	106198	44.81	ug/kg	0.03
Spiked Amount 100.000	Range 18 - 131		Recovery =	44.81%		
77) p-Terphenyl-d14	18.61	244	257439	26.73	ug/kg	0.02
Spiked Amount 50.000	Range 27 - 112		Recovery =	53.46%		

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) 2-Methylnaphthalene	10.12	142	3314	0.81	ug/kg	84
46) Dimethylphthalate	11.89	163	6516	1.20	ug/kg#	87
47) Acenaphthylene	11.97	152	14014	2.31	ug/kg	94
50) Acenaphthene	12.35	153	24101	5.87	ug/kg	97
56) Fluorene	13.45	166	22803	4.36	ug/kg	91
69) Phenanthrene	15.46	178	134521	15.60	ug/kg	98
70) Anthracene	15.56	178	51327	5.83	ug/kg	97
73) Fluoranthene	17.91	202	62921	5.41	ug/kg	98
76) Pyrene	18.28	202	96019	7.71	ug/kg	96
79) Benzo(a)anthracene	20.03	228	40311	3.63	ug/kg	78
81) Chrysene	20.06	228	39872	3.35	ug/kg	94
82) bis(2-Ethylhexyl)phthalate	20.10	149	9694	1.04	ug/kg	91
85) Benzo(b)fluoranthene	21.40	252	30467m	2.13	ug/kg	
86) Benzo(k)fluoranthene	21.42	252	13844m	1.19	ug/kg	
87) Benzo(a)pyrene	21.89	252	30993	2.41	ug/kg	96
88) Indeno(1,2,3-cd)pyrene	24.06	276	14296	0.85	ug/kg	99
90) Benzo(g,h,i)perylene	24.70	276	14120	0.93	ug/kg	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\HPChem\5\Data\01262011\5S0492.D
Acq On : 26 Jan 2011 6:23 pm
Sample : 11010380-008
Misc : soil (2122-019)
MS Integration Params: rteint.p
Quant Time: Jan 27 12:46 2011

Vial: 16
Operator: sdp
Inst : GC/MS-5
Multiplr: 1.00

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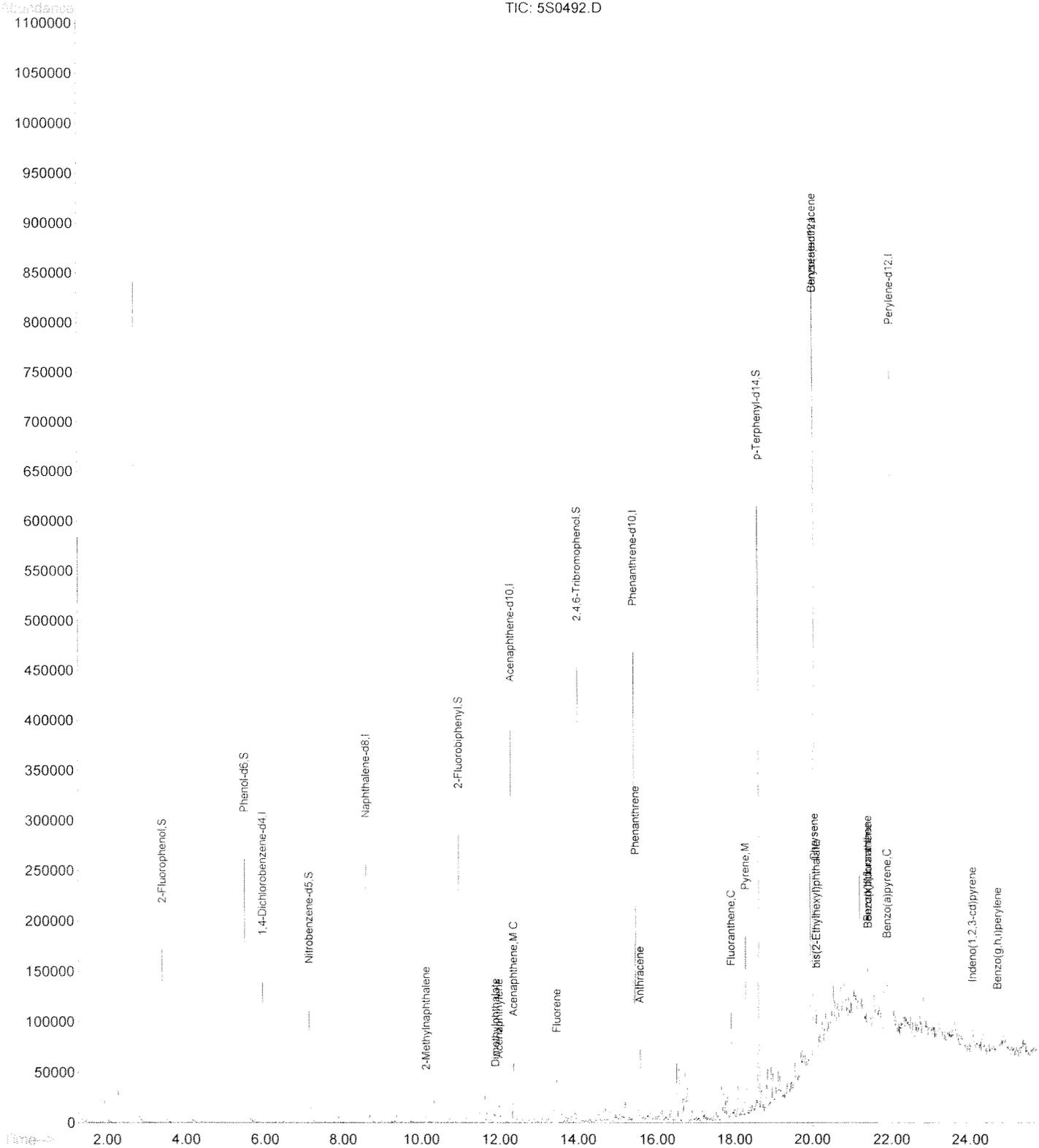
Quant Results File: 1201ABNS.RES

Method : G:\HPChem\5\Methods\1201ABNS.M (RTE Integrator)
Title : BNA by EPA 8270C method
Last Update : Wed Jan 26 12:10:52 2011
Response via : Initial Calibration

Approved:
27-Jan-2011 13:23

[Signature]

TIC: 5S0492.D



Data File : G:\HPChem\5\Data\01262011\5S0499.D

Vial: 23

Acq On : 26 Jan 2011 10:19 pm

Operator: sdp

Sample : ms 11010380-008

Inst : GC/MS-5

Misc : soil (2122-019)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 1201ABNS.RES

Quant Time: Jan 27 12:17 2011

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)

Title : BNA by EPA 8270C method

Last Update : Wed Jan 26 12:10:52 2011

Response via : Initial Calibration

DataAcq Meth : RUN8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	46025	40.00	ug/kg	0.00
21) Naphthalene-d8	8.59	136	205181	40.00	ug/kg	0.02
38) Acenaphthene-d10	12.29	164	144991	40.00	ug/kg	0.02
60) Phenanthrene-d10	15.40	188	313367	40.00	ug/kg	0.02
74) Chrysene-d12	20.04	240	364906	40.00	ug/kg	0.02
83) Perylene-d12	21.98	264	526285	40.00	ug/kg	0.04

System Monitoring Compounds

4) 2-Fluorophenol	3.38	112	95955	78.63	ug/kg	0.07
Spiked Amount 100.000	Range 52 - 97		Recovery =	78.63%		
7) Phenol-d6	5.48	99	162522	78.11	ug/kg	0.05
Spiked Amount 100.000	Range 53 - 100		Recovery =	78.11%		
22) Nitrobenzene-d5	7.13	82	81619	32.55	ug/kg	0.02
Spiked Amount 50.000	Range 48 - 101		Recovery =	65.10%		
42) 2-Fluorobiphenyl	10.94	172	136933	30.25	ug/kg	0.00
Spiked Amount 50.000	Range 51 - 97		Recovery =	60.50%		
64) 2,4,6-Tribromophenol	13.99	330	112489	46.79	ug/kg	0.03
Spiked Amount 100.000	Range 18 - 131		Recovery =	46.79%		
77) p-Terphenyl-d14	18.60	244	283834	32.38	ug/kg	0.02
Spiked Amount 50.000	Range 27 - 112		Recovery =	64.76%		

Target Compounds

						Qvalue
2) Pyridine	1.40	79	61174	31.72	ug/kg	82
3) n-Nitroso-dimethylamine	1.40	42	37571	28.03	ug/kg	95
6) Aniline	5.29	93	92512	36.65	ug/kg	96
8) Phenol	5.50	94	76273	34.26	ug/kg	91
9) bis(2-Chloroethyl)ether	5.49	93	49465	28.94	ug/kg	89
10) 2-Chlorophenol	5.55	128	53307	32.93	ug/kg	92
11) 1,3-Dichlorobenzene	5.79	146	48443	26.62	ug/kg	97
12) 1,4-Dichlorobenzene	5.96	146	50158	27.22	ug/kg	94
13) Benzyl Alcohol	6.36	108	42389	42.03	ug/kg	93
14) 1,2-Dichlorobenzene	6.26	146	51977	28.13	ug/kg	99
15) 2-Methylphenol	6.72	108	56353	34.65	ug/kg	87
16) bis(2-Chloroisopropyl)ethe	6.63	45	170465	28.36	ug/kg	93
18) 3+4-Methylphenol	7.07	108	58079	33.10	ug/kg	97
19) n-Nitroso-di-n-propylamine	6.92	70	35371	27.74	ug/kg	84
20) Hexachloroethane	6.92	117	19547	20.06	ug/kg	95
23) Nitrobenzene	7.17	77	79776	31.79	ug/kg	94
24) Isophorone	7.71	82	151052	31.25	ug/kg	95
25) 2-Nitrophenol	7.85	139	28826	23.69	ug/kg	90
26) 2,4-Dimethylphenol	8.13	107	75869	34.99	ug/kg	97
27) bis(2-Chloroethoxy)methane	8.25	93	87312	30.56	ug/kg	97
28) 2,4-Dichlorophenol	8.44	162	56431	29.71	ug/kg	94
29) Benzoic Acid	8.62	105	21788	26.00	ug/kg#	71
30) 1,2,4-Trichlorobenzene	8.51	180	52392	24.96	ug/kg	99
31) Naphthalene	8.62	128	162014	29.49	ug/kg	98
32) 2,6-Dichlorophenol	8.87	162	56474	30.25	ug/kg	97
33) 4-Chloroaniline	8.86	127	81521	30.98	ug/kg	97
34) Hexachlorobutadiene	8.95	225	35332	23.00	ug/kg	97
36) 4-Chloro-3-methylphenol	10.06	107	81929	33.42	ug/kg	87
37) 2-Methylnaphthalene	10.11	142	174831	41.94	ug/kg	81
40) 2,4,6-Trichlorophenol	10.82	196	50096	31.18	ug/kg	97
41) 2,4,5-Trichlorophenol	10.92	196	53243	31.26	ug/kg	94
44) 2-Chloronaphthalene	11.13	162	125381	34.49	ug/kg	100
45) 2-Nitroaniline	11.45	138	60687	32.89	ug/kg	99
46) Dimethylphthalate	11.88	163	181486	33.78	ug/kg	98
47) Acenaphthylene	11.97	152	225177	37.44	ug/kg	98
48) 2,6-Dinitrotoluene	12.01	165	38524	30.71	ug/kg	94

(#)= qualifier out of range (m) = manual integration

5S0499.D 1201ABNS.M Thu Jan 27 12:23:52 2011

Data File : G:\HPChem\5\Data\01262011\5S0499.D

Vial: 23

Acq On : 26 Jan 2011 10:19 pm

Operator: sdp

Sample : ms 11010380-008

Inst : GC/MS-5

Misc : soil (2122-019)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 1201ABNS.RES

Quant Time: Jan 27 12:17 2011

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)

Title : BNA by EPA 8270C method

Last Update : Wed Jan 26 12:10:52 2011

Response via : Initial Calibration

DataAcq Meth : RUN8270

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Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
49) 3-Nitroaniline	12.34	138	48963	43.54	ug/kg	95
50) Acenaphthene	12.35	153	138984	34.10	ug/kg	97
52) Dibenzofuran	12.72	168	204812	31.34	ug/kg	96
53) 4-Nitrophenol	12.97	65	47641	40.61	ug/kg	56
54) 2,4-Dinitrotoluene	12.88	165	55651	27.72	ug/kg	83
56) Fluorene	13.44	166	171740	33.09	ug/kg	95
57) Diethylphthalate	13.40	149	214090	34.78	ug/kg	96
58) 4-Chlorophenyl phenyl ethe	13.51	204	84562	29.16	ug/kg	92
59) 4-Nitroaniline	13.65	138	55948	44.39	ug/kg#	53
61) 4,6-Dinitro-2-methylphenol	13.79	198	2876	2.34	ug/kg#	1
62) n-Nitrosodiphenylamine	13.80	169	135534	35.14	ug/kg	96
63) 1,2-Diphenylhydrazine	13.85	77	318067	40.25	ug/kg	95
65) 4-Bromophenyl-phenyl ether	14.53	248	64675	26.18	ug/kg	97
66) Hexachlorobenzene	14.64	284	86772	23.71	ug/kg	99
68) Pentachlorophenol	15.12	266	43100	33.44	ug/kg	96
69) Phenanthrene	15.46	178	355198	40.60	ug/kg	98
70) Anthracene	15.56	178	334247	37.41	ug/kg	98
71) Carbazole	15.98	167	319498	38.50	ug/kg#	97
72) Di-n-butylphthalate	16.85	149	494257	36.69	ug/kg	96
73) Fluoranthene	17.91	202	396846	33.63	ug/kg	95
75) Benzidine	18.23	184	83934	141.36	ug/kg	97
76) Pyrene	18.28	202	435719	38.42	ug/kg	95
78) Butylbenzylphthalate	19.35	149	276487	43.21	ug/kg	98
79) Benzo(a)anthracene	20.03	228	357006	35.27	ug/kg	97
80) 3,3'-Dichlorobenzidine	20.02	252	159126	51.95	ug/kg	99
81) Chrysene	20.07	228	390604	36.00	ug/kg	98
82) bis(2-Ethylhexyl)phthalate	20.10	149	404400	47.59	ug/kg	95
84) Di-n-octylphthalate	20.86	149	745787	45.09	ug/kg	100
85) Benzo(b)fluoranthene	21.40	252	553609	36.69	ug/kg	93
86) Benzo(k)fluoranthene	21.44	252	411562	33.73	ug/kg	93
87) Benzo(a)pyrene	21.89	252	437816	32.39	ug/kg	94
88) Indeno(1,2,3-cd)pyrene	24.08	276	541279	30.44	ug/kg	91
89) Dibenzo(a,h)anthracene	24.08	278	448869	31.44	ug/kg	93
90) Benzo(g,h,i)perylene	24.69	276	470355	29.39	ug/kg	99

(#) = qualifier out of range (m) = manual integration

5S0499.D 1201ABNS.M

Thu Jan 27 12:23:52 2011

Quantitation Report

Data File : G:\HPChem\5\Data\01262011\5S0499.D
Acq On : 26 Jan 2011 10:19 pm
Sample : ms 11010380-008
Misc : soil (2122-019)
MS Integration Params: rteint.p
Quant Time: Jan 27 12:17 2011

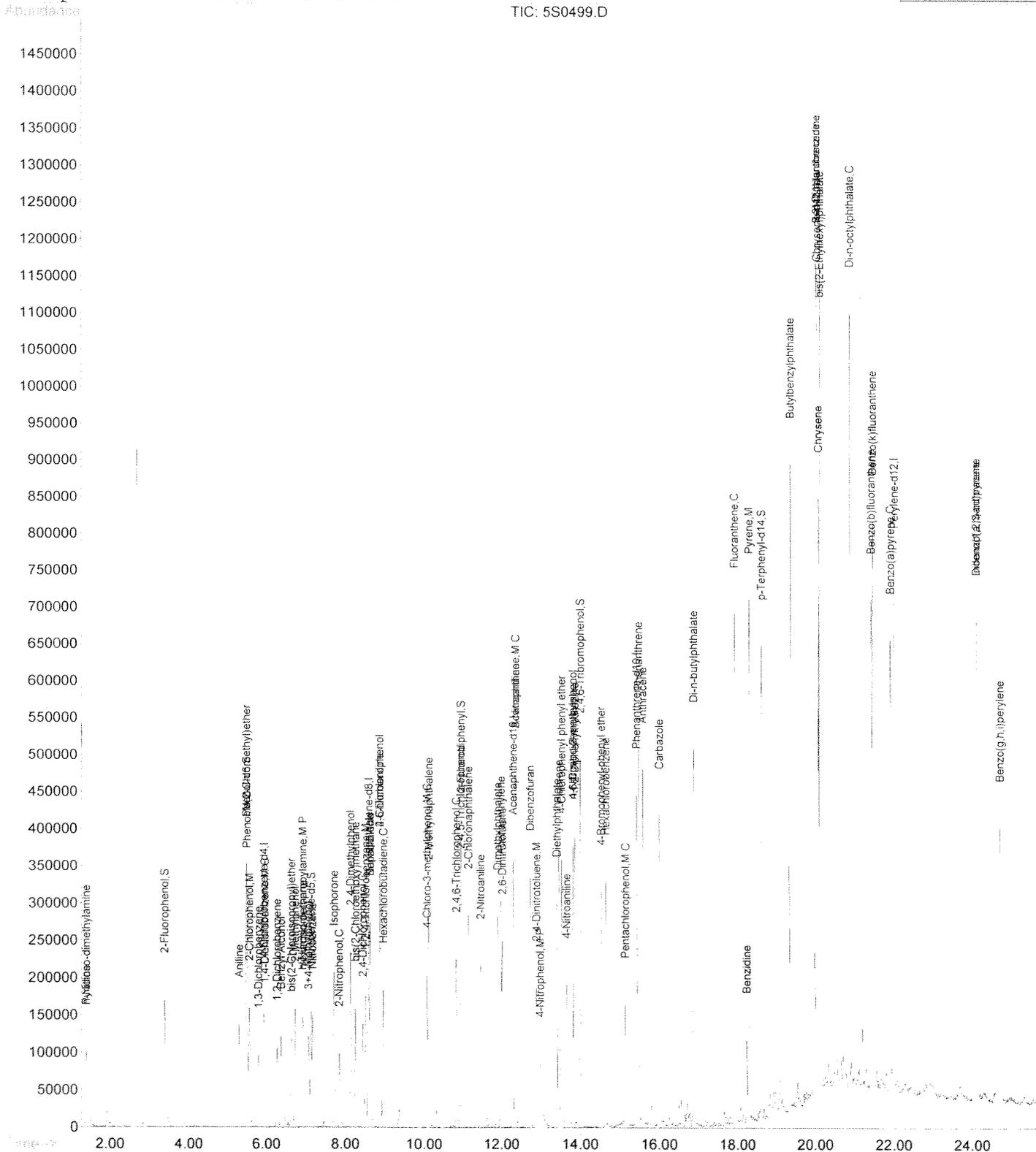
Vial: 23
Operator: sdp
Inst : GC/MS-5
Multiplr: 1.00

150

Quant Results File: 1201ABNS.RES

Method : G:\HPChem\5\Methods\1201ABNS.M (RTE Integrator)
Title : BNA by EPA 8270C method
Last Update : Wed Jan 26 12:10:52 2011
Response via : Initial Calibration

Approved:
27-Jan-2011 12:21



Data File : G:\HPChem\5\Data\01262011\5S0500.D
 Acq On : 26 Jan 2011 10:52 pm
 Sample : msd 11010380-008
 Misc : soil (2122-019)
 MS Integration Params: rteint.p
 Quant Time: Jan 27 12:18 2011

Vial: 24
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

151

Quant Results File: 1201ABNS.RES

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)

Title : BNA by EPA 8270C method

Last Update : Wed Jan 26 12:10:52 2011

Response via : Initial Calibration

DataAcq Meth : RUN8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	39900	40.00	ug/kg	0.00
21) Naphthalene-d8	8.58	136	185659	40.00	ug/kg	0.00
38) Acenaphthene-d10	12.28	164	134056	40.00	ug/kg	0.02
60) Phenanthrene-d10	15.40	188	290083	40.00	ug/kg	0.02
74) Chrysene-d12	20.04	240	332512	40.00	ug/kg	0.02
83) Perylene-d12	21.97	264	484605	40.00	ug/kg	0.03

System Monitoring Compounds

4) 2-Fluorophenol	3.39	112	89173	84.29	ug/kg	0.09
Spiked Amount 100.000	Range 52 - 97		Recovery =	84.29%		
7) Phenol-d6	5.49	99	156150	86.57	ug/kg	0.05
Spiked Amount 100.000	Range 53 - 100		Recovery =	86.57%		
22) Nitrobenzene-d5	7.13	82	77037	33.95	ug/kg	0.02
Spiked Amount 50.000	Range 48 - 101		Recovery =	67.90%		
42) 2-Fluorobiphenyl	10.94	172	133156	31.81	ug/kg	0.00
Spiked Amount 50.000	Range 51 - 97		Recovery =	63.62%		
64) 2,4,6-Tribromophenol	13.98	330	104328	46.88	ug/kg	0.03
Spiked Amount 100.000	Range 18 - 131		Recovery =	46.88%		
77) p-Terphenyl-d14	18.60	244	257952	32.29	ug/kg	0.02
Spiked Amount 50.000	Range 27 - 112		Recovery =	64.58%		

Target Compounds

						Qvalue
2) Pyridine	1.39	79	59663	35.69	ug/kg	88
3) n-Nitroso-dimethylamine	1.41	42	40795	35.10	ug/kg	99
6) Aniline	5.30	93	90896	41.54	ug/kg	95
8) Phenol	5.50	94	76723	39.75	ug/kg	90
9) bis(2-Chloroethyl)ether	5.49	93	49402	33.34	ug/kg	88
10) 2-Chlorophenol	5.56	128	51853	36.95	ug/kg	96
11) 1,3-Dichlorobenzene	5.79	146	48334	30.63	ug/kg	98
12) 1,4-Dichlorobenzene	5.96	146	49495	30.99	ug/kg	94
13) Benzyl Alcohol	6.37	108	43748	50.04	ug/kg	98
14) 1,2-Dichlorobenzene	6.26	146	51575	32.19	ug/kg	98
15) 2-Methylphenol	6.72	108	54415	38.60	ug/kg	87
16) bis(2-Chloroisopropyl)ethe	6.62	45	163556	31.39	ug/kg	89
18) 3+4-Methylphenol	7.07	108	59252	38.95	ug/kg	99
19) n-Nitroso-di-n-propylamine	6.91	70	36259	32.81	ug/kg	83
20) Hexachloroethane	6.92	117	21248	25.16	ug/kg	94
23) Nitrobenzene	7.17	77	75178	33.11	ug/kg	95
24) Isophorone	7.71	82	144081	32.94	ug/kg	94
25) 2-Nitrophenol	7.85	139	29706	26.98	ug/kg	94
26) 2,4-Dimethylphenol	8.13	107	76398	38.94	ug/kg	96
27) bis(2-Chloroethoxy)methane	8.25	93	84429	32.66	ug/kg	92
28) 2,4-Dichlorophenol	8.44	162	53866	31.34	ug/kg	98
29) Benzoic Acid	8.61	105	21493	28.35	ug/kg#	73
30) 1,2,4-Trichlorobenzene	8.51	180	51330	27.03	ug/kg	100
31) Naphthalene	8.62	128	159534	32.09	ug/kg	98
32) 2,6-Dichlorophenol	8.87	162	55809	33.04	ug/kg	99
33) 4-Chloroaniline	8.87	127	79874	33.54	ug/kg	98
34) Hexachlorobutadiene	8.95	225	33754	24.28	ug/kg	98
36) 4-Chloro-3-methylphenol	10.06	107	77695	35.03	ug/kg	85
37) 2-Methylnaphthalene	10.11	142	128399	34.04	ug/kg	96
40) 2,4,6-Trichlorophenol	10.82	196	47401	31.91	ug/kg	96
41) 2,4,5-Trichlorophenol	10.93	196	49230	31.26	ug/kg	94
43) Biphenyl	11.13	154	2060	0.51	ug/kg#	1
44) 2-Chloronaphthalene	11.13	162	127637	37.97	ug/kg	99
45) 2-Nitroaniline	11.44	138	57929	33.95	ug/kg	97
46) Dimethylphthalate	11.88	163	173187	34.86	ug/kg	98
47) Acenaphthylene	11.97	152	220147	39.59	ug/kg	98

(#)= qualifier out of range (m) = manual integration

5S0500.D 1201ABNS.M

Thu Jan 27 12:23:58 2011

Data File : G:\HPCHEM\5\Data\01262011\5S0500.D

Vial: 24

Acq On : 26 Jan 2011 10:52 pm

Operator: sdp

Sample : msd 11010380-008

Inst : GC/MS-5

Misc : soil (2122-019)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 1201ABNS.RES

Quant Time: Jan 27 12:18 2011

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)

Title : BNA by EPA 8270C method

Last Update : Wed Jan 26 12:10:52 2011

Response via : Initial Calibration

DataAcq Meth : RUN8270

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Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48) 2,6-Dinitrotoluene	12.00	165	36768	31.70	ug/kg	93
49) 3-Nitroaniline	12.34	138	46135	44.37	ug/kg	97
50) Acenaphthene	12.35	153	138502	36.75	ug/kg	97
52) Dibenzofuran	12.72	168	201356	33.32	ug/kg	97
53) 4-Nitrophenol	12.98	65	40539	37.38	ug/kg	56
54) 2,4-Dinitrotoluene	12.88	165	51617	27.81	ug/kg	85
56) Fluorene	13.44	166	169856	35.39	ug/kg	96
57) Diethylphthalate	13.39	149	202845	35.64	ug/kg	97
58) 4-Chlorophenyl phenyl ethe	13.51	204	80226	29.93	ug/kg	93
59) 4-Nitroaniline	13.64	138	51962	44.59	ug/kg#	48
61) 4,6-Dinitro-2-methylphenol	13.78	198	4181	3.68	ug/kg	94
62) n-Nitrosodiphenylamine	13.80	169	126241	35.36	ug/kg	96
63) 1,2-Diphenylhydrazine	13.84	77	301953	41.28	ug/kg	94
65) 4-Bromophenyl-phenyl ether	14.53	248	60529	26.47	ug/kg	96
66) Hexachlorobenzene	14.63	284	80236	23.68	ug/kg	97
68) Pentachlorophenol	15.12	266	38061	31.90	ug/kg	99
69) Phenanthrene	15.45	178	328559	40.57	ug/kg	98
70) Anthracene	15.56	178	310347	37.52	ug/kg	98
71) Carbazole	15.98	167	298107	38.81	ug/kg#	98
72) Di-n-butylphthalate	16.85	149	451821	36.24	ug/kg	97
73) Fluoranthene	17.91	202	368504	33.73	ug/kg	94
75) Benzidine	18.22	184	81617	150.85	ug/kg	96
76) Pyrene	18.28	202	401464	38.84	ug/kg	92
78) Butylbenzylphthalate	19.34	149	259096	44.44	ug/kg	96
79) Benzo(a)anthracene	20.03	228	328387	35.61	ug/kg	98
80) 3,3'-Dichlorobenzidine	20.02	252	155215	55.61	ug/kg	99
81) Chrysene	20.06	228	357096	36.12	ug/kg	98
82) bis(2-Ethylhexyl)phthalate	20.10	149	378535	48.89	ug/kg	94
84) Di-n-octylphthalate	20.86	149	696405	45.72	ug/kg	99
85) Benzo(b)fluoranthene	21.40	252	529350	38.10	ug/kg	91
86) Benzo(k)fluoranthene	21.44	252	368653	32.81	ug/kg	96
87) Benzo(a)pyrene	21.88	252	405336	32.57	ug/kg	94
88) Indeno(1,2,3-cd)pyrene	24.07	276	502336	30.68	ug/kg	91
89) Dibenzo(a,h)anthracene	24.07	278	425061	32.33	ug/kg	91
90) Benzo(g,h,i)perylene	24.68	276	441032	29.92	ug/kg	99

(#) = qualifier out of range (m) = manual integration

5S0500.D 1201ABNS.M Thu Jan 27 12:23:58 2011

Quantitation Report

Data File : G:\HPChem\5\Data\01262011\5S0500.D
Acq On : 26 Jan 2011 10:52 pm
Sample : msd 11010380-008
Misc : soil (2122-019)
MS Integration Params: rteint.p
Quant Time: Jan 27 12:18 2011

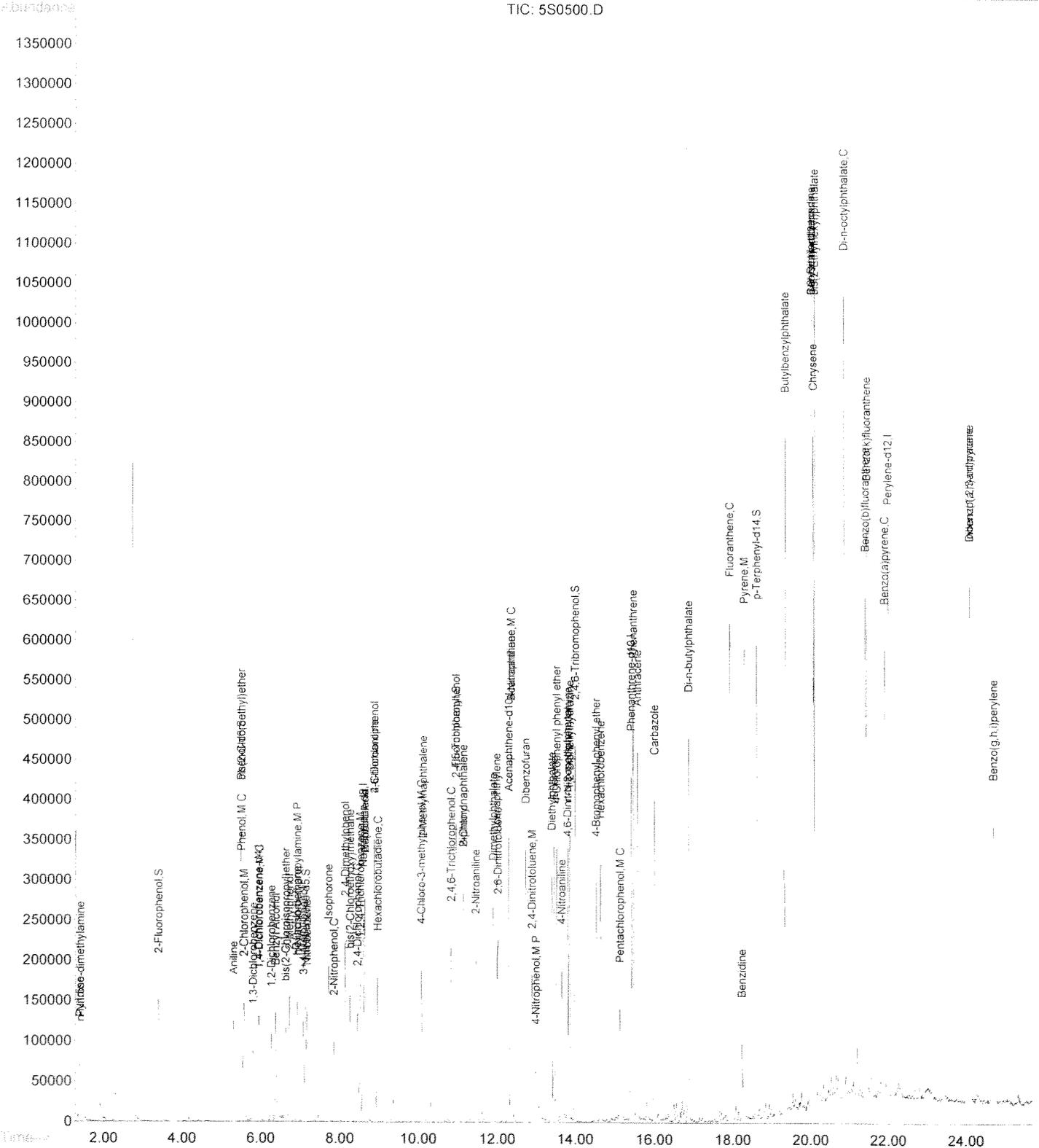
Vial: 24
Operator: sdp
Inst : GC/MS-5
Multiplr: 1.00

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Quant Results File: 1201ABNS.RES

Method : G:\HPChem\5\Methods\1201ABNS.M (RTE Integrator)
Title : BNA by EPA 8270C method
Last Update : Wed Jan 26 12:10:52 2011
Response via : Initial Calibration

Approved:
27-Jan-2011 12:21



Data File : G:\HPChem\5\Data\01202011\5S0448.D
 Acq On : 21 Jan 2011 1:28 am
 Sample : sabn 019 lcs
 Misc : SOIL (2122-019)
 MS Integration Params: rteint.p
 Quant Time: Jan 24 11:27 2011

Vial: 20
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

Quant Results File: 1201ABNS.RES

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method
 Last Update : Fri Jan 21 15:02:20 2011
 Response via : Initial Calibration
 DataAcq Meth : RUN8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	48792	40.00	ug/kg	0.01
21) Naphthalene-d8	8.61	136	212919	40.00	ug/kg	0.01
38) Acenaphthene-d10	12.31	164	155171	40.00	ug/kg	0.01
60) Phenanthrene-d10	15.44	188	332734	40.00	ug/kg	0.02
74) Chrysene-d12	20.06	240	482620	40.00	ug/kg	0.01
83) Perylene-d12	22.01	264	717697	40.00	ug/kg	0.02

System Monitoring Compounds

4) 2-Fluorophenol	3.43	112	116371	89.95	ug/kg	0.09
Spiked Amount	100.000	Range 52 - 97	Recovery =	89.95%		
7) Phenol-d6	5.50	99	195409	88.59	ug/kg	0.05
Spiked Amount	100.000	Range 53 - 100	Recovery =	88.59%		
22) Nitrobenzene-d5	7.16	82	105059	40.37	ug/kg	0.01
Spiked Amount	50.000	Range 48 - 101	Recovery =	80.74%		
42) 2-Fluorobiphenyl	10.98	172	182397	37.65	ug/kg	0.01
Spiked Amount	50.000	Range 51 - 97	Recovery =	75.30%		
64) 2,4,6-Tribromophenol	14.02	330	162407	63.63	ug/kg	0.02
Spiked Amount	100.000	Range 18 - 131	Recovery =	63.63%		
77) p-Terphenyl-d14	18.62	244	369840	31.90	ug/kg	0.01
Spiked Amount	50.000	Range 27 - 112	Recovery =	63.80%		

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Pyridine	1.39	79	78839m	38.56	ug/kg	
3) n-Nitroso-dimethylamine	1.40	42	54512m	38.36	ug/kg	
6) Aniline	5.33	93	100785	37.67	ug/kg	99
8) Phenol	5.53	94	95690	40.54	ug/kg	88
9) bis(2-Chloroethyl)ether	5.52	93	68486	37.80	ug/kg	92
10) 2-Chlorophenol	5.59	128	69455	40.47	ug/kg	99
11) 1,3-Dichlorobenzene	5.83	146	70847	36.72	ug/kg	93
12) 1,4-Dichlorobenzene	6.00	146	75345	38.57	ug/kg	95
13) Benzyl Alcohol	6.39	108	54658	51.12	ug/kg	95
14) 1,2-Dichlorobenzene	6.30	146	75747	38.66	ug/kg	99
15) 2-Methylphenol	6.75	108	73098	42.40	ug/kg	87
16) bis(2-Chloroisopropyl)ethe	6.66	45	247798	38.89	ug/kg	94
18) 3+4-Methylphenol	7.09	108	73749	39.65	ug/kg	96
19) n-Nitroso-di-n-propylamine	6.94	70	48003	35.52	ug/kg	89
20) Hexachloroethane	6.96	117	37450	36.26	ug/kg	99
23) Nitrobenzene	7.20	77	105861	40.65	ug/kg	96
24) Isophorone	7.74	82	194055	38.69	ug/kg	99
25) 2-Nitrophenol	7.88	139	44273	35.07	ug/kg	89
26) 2,4-Dimethylphenol	8.16	107	97244	43.22	ug/kg	96
27) bis(2-Chloroethoxy)methane	8.29	93	115559	38.98	ug/kg	93
28) 2,4-Dichlorophenol	8.46	162	74958	38.02	ug/kg	97
29) Benzoic Acid	8.66	105	39687	45.64	ug/kg	75
30) 1,2,4-Trichlorobenzene	8.54	180	75535	34.68	ug/kg	100
31) Naphthalene	8.66	128	213160	37.39	ug/kg	98
32) 2,6-Dichlorophenol	8.89	162	74549	38.49	ug/kg	98
33) 4-Chloroaniline	8.89	127	88790	32.51	ug/kg	97
34) Hexachlorobutadiene	8.99	225	52338	32.83	ug/kg	98
36) 4-Chloro-3-methylphenol	10.09	107	103023	40.50	ug/kg	86
37) 2-Methylnaphthalene	10.14	142	159860	36.96	ug/kg	97
39) Hexachlorocyclopentadiene	10.49	237	6512	6.76	ug/kg	98
40) 2,4,6-Trichlorophenol	10.85	196	65656	38.19	ug/kg	97
41) 2,4,5-Trichlorophenol	10.96	196	70042	38.42	ug/kg	98
44) 2-Chloronaphthalene	11.16	162	168610	43.33	ug/kg	100
45) 2-Nitroaniline	11.48	138	78553	39.77	ug/kg	98
46) Dimethylphthalate	11.92	163	223641	38.89	ug/kg	99
47) Acenaphthylene	12.00	152	271451	42.17	ug/kg	97

(#) = qualifier out of range (m) = manual integration
 5S0448.D 1201ABNS.M Mon Jan 24 12:32:02 2011

Data File : G:\HPChem\5\Data\01202011\5S0448.D

Vial: 20

Acq On : 21 Jan 2011 1:28 am

Operator: sdp

Sample : sabn 019 lcs

Inst : GC/MS-5

Misc : SOIL (2122-019)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 1201ABNS.RES

Quant Time: Jan 24 11:27 2011

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)

Title : BNA by EPA 8270C method

Last Update : Fri Jan 21 15:02:20 2011

Response via : Initial Calibration

DataAcq Meth : RUN8270

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Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48) 2,6-Dinitrotoluene	12.03	165	52606	39.18	ug/kg	93
49) 3-Nitroaniline	12.37	138	56506	46.95	ug/kg	98
50) Acenaphthene	12.39	153	167865	38.48	ug/kg	99
51) 2,4-Dinitrophenol	12.71	184	1805	2.55	ug/kg#	1
52) Dibenzofuran	12.76	168	261989	37.46	ug/kg	96
53) 4-Nitrophenol	13.00	65	56186	44.75	ug/kg	58
54) 2,4-Dinitrotoluene	12.92	165	79924	37.20	ug/kg	88
56) Fluorene	13.48	166	205708	37.03	ug/kg	95
57) Diethylphthalate	13.42	149	265409	40.28	ug/kg	98
58) 4-Chlorophenyl phenyl ethe	13.54	204	110030	35.46	ug/kg	95
59) 4-Nitroaniline	13.67	138	68600	50.85	ug/kg#	50
61) 4,6-Dinitro-2-methylphenol	13.81	198	10920	8.38	ug/kg	94
62) n-Nitrosodiphenylamine	13.83	169	165706	40.46	ug/kg	94
63) 1,2-Diphenylhydrazine	13.87	77	387458	46.18	ug/kg	99
65) 4-Bromophenyl-phenyl ether	14.56	248	89700	34.20	ug/kg	98
66) Hexachlorobenzene	14.66	284	125489	32.29	ug/kg	100
68) Pentachlorophenol	15.16	266	37669	27.52	ug/kg	100
69) Phenanthrene	15.49	178	349178	37.59	ug/kg	100
70) Anthracene	15.60	178	374577	39.48	ug/kg	100
71) Carbazole	16.02	167	378822	42.99	ug/kg#	96
72) Di-n-butylphthalate	16.88	149	587398	41.07	ug/kg	98
73) Fluoranthene	17.93	202	461712	36.85	ug/kg	93
75) Benzidine	18.25	184	79879	101.72	ug/kg	98
76) Pyrene	18.31	202	485482	32.36	ug/kg	91
78) Butylbenzylphthalate	19.37	149	339836	40.15	ug/kg	95
79) Benzo(a)anthracene	20.04	228	462704	34.57	ug/kg	99
80) 3,3'-Dichlorobenzidine	20.04	252	211019	52.08	ug/kg	100
81) Chrysene	20.09	228	520222	36.25	ug/kg	98
82) bis(2-Ethylhexyl)phthalate	20.13	149	502698	44.73	ug/kg	98
84) Di-n-octylphthalate	20.88	149	964610	42.76	ug/kg	99
85) Benzo(b)fluoranthene	21.43	252	721176	35.05	ug/kg	90
86) Benzo(k)fluoranthene	21.47	252	658441	39.57	ug/kg	90
87) Benzo(a)pyrene	21.92	252	638099	34.62	ug/kg	91
88) Indeno(1,2,3-cd)pyrene	24.13	276	839097	34.60	ug/kg	86
89) Dibenzo(a,h)anthracene	24.14	278	695649	35.73	ug/kg	86
90) Benzo(g,h,i)perylene	24.74	276	766324	35.11	ug/kg	99

(#) = qualifier out of range (m) = manual integration

5S0448.D 1201ABNS.M Mon Jan 24 12:32:03 2011

Quantitation Report

Data File : G:\HPChem\5\Data\01202011\5S0448.D
Acq On : 21 Jan 2011 1:28 am
Sample : sabn 019 lcs
Misc : SOIL (2122-019)
MS Integration Params: rteint.p
Quant Time: Jan 24 11:27 2011

Vial: 20
Operator: sdp
Inst : GC/MS-5
Multiplr: 1.00

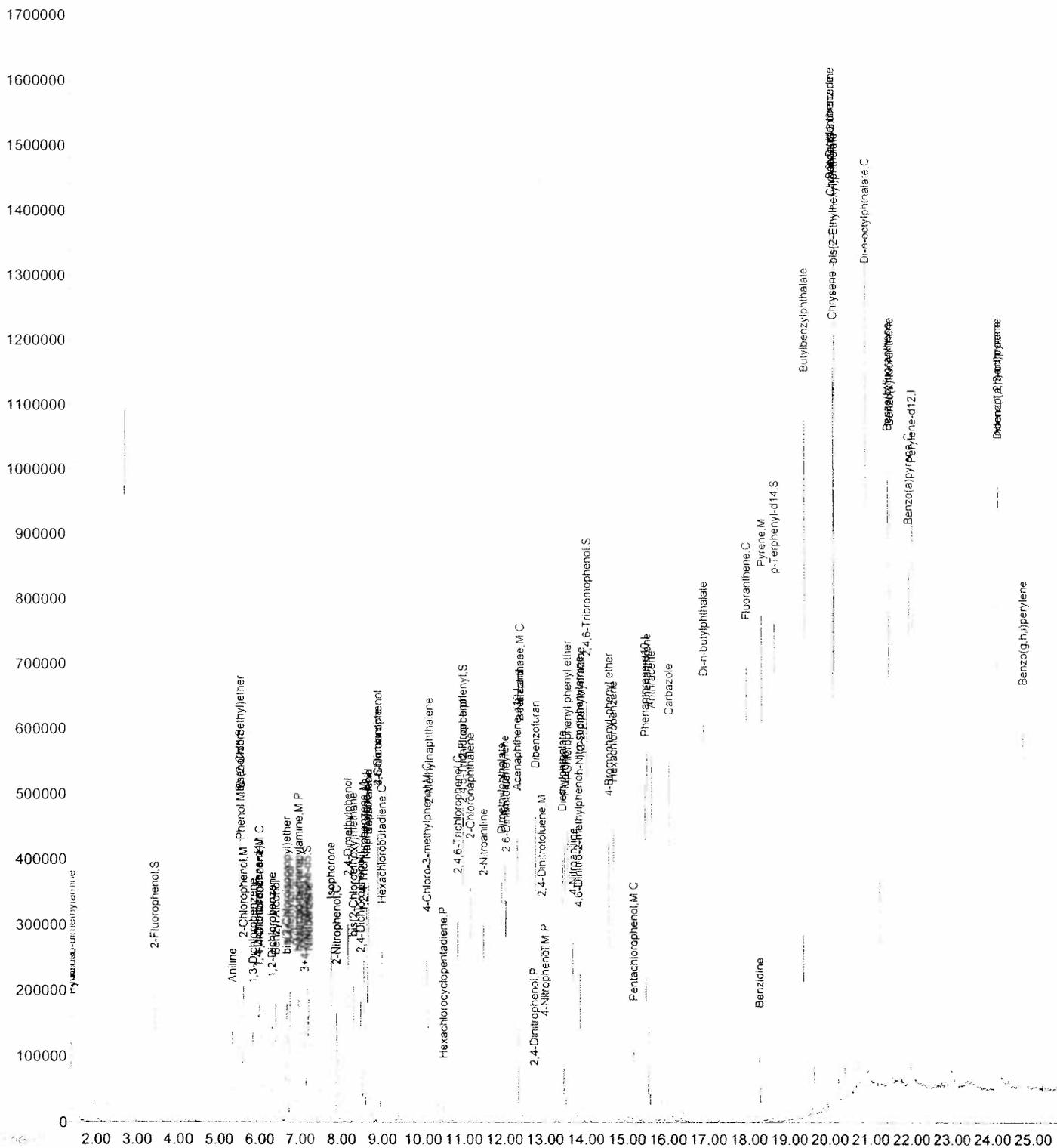
156

Quant Results File: 1201ABNS.RES

Method : G:\HPChem\5\Methods\1201ABNS.M (RTE Integrator)
Title : BNA by EPA 8270C method
Last Update : Fri Jan 21 15:02:20 2011
Response via : Initial Calibration

Approved:
24-Jan-2011 11:34

TIC: 5S0448.D



Aqua Pro-Tech Laboratories
Semi-Volatile Method Blank Summary

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Lab File ID: 5S0449.D

Matrix: Soil

Blank:

SVO MBlank #2122

Lab Sample ID: sabn 019 blk
Date Analyzed: 21-Jan-11
Time Acquired: 2:02

This Method Blank applies to the following samples:

Client Sample	Lab Sample ID	Lab File ID	Time Acquired
Comp A	11010298-001	5S0457.D	13:25
Comp B	11010298-002	5S0458.D	13:58

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

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Client: TERMS ENVIRONMENTAL
Project: Vet Park
Matrix: Soil

Client Sample:

Blank - 2122

Sample Weight 15.0 Grams

Lab Sample ID: Blank - 2122

Lab File ID: 5S0449.D

Extract Volume: 1 mL

Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	191	333
62-75-9	n-Nitroso-dimethylamine		U	300	333
100-52-7	Benzaldehyde		U	99.3	333
62-53-3	Aniline		U	14.7	333
108-95-2	Phenol		U	14.7	333
111-44-4	bis(2-Chloroethyl)ether		U	20.7	333
95-57-8	2-Chlorophenol		U	14.0	333
541-73-1	1,3-Dichlorobenzene		U	20.0	333
106-46-7	1,4-Dichlorobenzene		U	25.3	333
100-51-6	Benzyl Alcohol		U	462	333
95-50-1	1,2-Dichlorobenzene		U	15.3	333
95-48-7	2-Methylphenol		U	15.3	333
108-60-1	bis(2-Chloroisopropyl)ether		U	16.7	333
98-86-2	Acetophenone		U	88.0	333
1319-77-3	3+4-Methylphenol		U	25.3	333
621-64-7	n-Nitroso-di-n-propylamine		U	29.3	333
67-72-1	Hexachloroethane		U	18.7	333
98-95-3	Nitrobenzene		U	13.3	333
78-59-1	Isophorone		U	14.0	333
88-75-5	2-Nitrophenol		U	142	333
105-67-9	2,4-Dimethylphenol		U	18.7	333
111-91-1	bis(2-Chloroethoxy)methane		U	22.7	333
120-83-2	2,4-Dichlorophenol		U	41.3	333
65-85-0	Benzoic Acid		U	423	667
120-82-1	1,2,4-Trichlorobenzene		U	23.3	333
91-20-3	Naphthalene		U	14.7	333
87-65-0	2,6-Dichlorophenol		U	17.3	333
106-47-8	4-Chloroaniline		U	20.0	333
87-68-3	Hexachlorobutadiene		U	19.3	333
105-60-2	Caprolactam		U	60.7	333
59-50-7	4-Chloro-3-methylphenol		U	23.3	333
91-57-6	2-Methylnaphthalene		U	17.3	333
77-47-4	Hexachlorocyclopentadiene		U	273	667
88-06-2	2,4,6-Trichlorophenol		U	17.3	333
95-95-4	2,4,5-Trichlorophenol		U	34.0	333
92-52-4	Biphenyl		U	65.3	333
91-58-7	2-Chloronaphthalene		U	13.3	333
88-74-4	2-Nitroaniline		U	7.33	333
131-11-3	Dimethylphthalate		U	19.3	333

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

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Client: TERMS ENVIRONMENTAL
Project: Vet Park
Matrix: Soil

Client Sample:

Blank - 2122

Sample Weight 15.0 Grams

Lab Sample ID: Blank - 2122

Lab File ID: 5S0449.D

Extract Volume: 1 mL

Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
208-96-8	Acenaphthylene		U	10.7	333
606-20-2	2,6-Dinitrotoluene		U	28.0	333
99-09-2	3-Nitroaniline		U	325	333
83-32-9	Acenaphthene		U	13.3	333
51-28-5	2,4-Dinitrophenol		U	26.0	667
132-64-9	Dibenzofuran		U	14.7	333
100-02-7	4-Nitrophenol		U	87.3	333
121-14-2	2,4-Dinitrotoluene		U	26.0	333
58-90-2	2,3,4,6-Tetrachlorophenol		U	434	333
86-73-7	Fluorene		U	10.0	333
84-66-2	Diethylphthalate		U	720	333
7005-72-3	4-Chlorophenyl phenyl ether		U	18.0	333
100-01-6	4-Nitroaniline		U	183	333
534-52-1	4,6-Dinitro-2-methylphenol		U	189	333
86-30-6	n-Nitrosodiphenylamine		U	14.7	333
103-33-3	1,2-Diphenylhydrazine		U	11.3	333
101-55-3	4-Bromophenyl-phenyl ether		U	21.3	333
118-74-1	Hexachlorobenzene		U	30.0	333
1912-24-9	Atrazine		U	54.7	333
87-86-5	Pentachlorophenol		U	141	667
85-01-8	Phenanthrene		U	5.33	333
120-12-7	Anthracene		U	9.33	333
86-74-8	Carbazole		U	20.7	333
84-74-2	Di-n-butylphthalate		U	32.0	333
206-44-0	Fluoranthene		U	16.7	333
92-87-5	Benzidine		U	313	333
129-00-0	Pyrene		U	9.33	333
85-68-7	Butylbenzylphthalate		U	12.7	333
56-55-3	Benzo(a)anthracene		U	11.3	333
91-94-1	3,3'-Dichlorobenzidine		U	175	333
218-01-9	Chrysene		U	13.3	333
117-81-7	bis(2-Ethylhexyl)phthalate	68.5	J	228	333
117-84-0	Di-n-octylphthalate		U	20.7	333
205-99-2	Benzo(b)fluoranthene		U	22.7	333
207-08-9	Benzo(k)fluoranthene		U	18.0	333
50-32-8	Benzo(a)pyrene		U	12.7	333
193-39-5	Indeno(1,2,3-cd)pyrene		U	8.67	333
53-70-3	Dibenzo(a,h)anthracene		U	10.7	333
191-24-2	Benzo(g,h,i)perylene		U	17.3	333

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Matrix: Soil

Client Sample:

Blank - 2122

Sample Weight 15.0 Grams

Lab Sample ID: Blank - 2122

Lab File ID: 5S0449.D

Extract Volume: 1 mL

Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT
	unknown	1080	J	21.21

Number of TICs found: 1

Total Est. Concentration: 1080 ug/kg

Quantitation Report (QT Reviewed)

Data File : G:\HPChem\5\Data\01202011\5S0449.D
 Acq On : 21 Jan 2011 2:02 am
 Sample : sabn 019 blk
 Misc : SOIL (2122-019)
 MS Integration Params: rteint.p
 Quant Time: Jan 24 11:27 2011

Vial: 21
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

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Quant Results File: 1201ABNS.RES

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method
 Last Update : Fri Jan 21 15:02:20 2011
 Response via : Initial Calibration
 DataAcq Meth : RUN8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	46534	40.00	ug/kg	0.01
21) Naphthalene-d8	8.61	136	216389	40.00	ug/kg	0.01
38) Acenaphthene-d10	12.31	164	148841	40.00	ug/kg	0.01
60) Phenanthrene-d10	15.43	188	325115	40.00	ug/kg	0.01
74) Chrysene-d12	20.05	240	554303	40.00	ug/kg	0.00
83) Perylene-d12	22.01	264	698112	40.00	ug/kg	0.02

System Monitoring Compounds

4) 2-Fluorophenol	3.42	112	104506	84.70	ug/kg	0.08
Spiked Amount	100.000	Range	52 - 97	Recovery	=	84.70%
7) Phenol-d6	5.49	99	179118	85.15	ug/kg	0.04
Spiked Amount	100.000	Range	53 - 100	Recovery	=	85.15%
22) Nitrobenzene-d5	7.16	82	95517	36.12	ug/kg	0.01
Spiked Amount	50.000	Range	48 - 101	Recovery	=	72.24%
42) 2-Fluorobiphenyl	10.98	172	175961	37.86	ug/kg	0.01
Spiked Amount	50.000	Range	51 - 97	Recovery	=	75.72%
64) 2,4,6-Tribromophenol	14.01	330	144591	57.97	ug/kg	0.01
Spiked Amount	100.000	Range	18 - 131	Recovery	=	57.97%
77) p-Terphenyl-d14	18.62	244	355862	26.72	ug/kg	0.01
Spiked Amount	50.000	Range	27 - 112	Recovery	=	53.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
82) bis(2-Ethylhexyl)phthalate	20.12	149	13260	1.03	ug/kg	98

Quantitation Report

Data File : G:\HPChem\5\Data\01202011\5S0449.D
Acq On : 21 Jan 2011 2:02 am
Sample : sabn 019 blk
Misc : SOIL (2122-019)
MS Integration Params: rteint.p
Quant Time: Jan 24 11:27 2011

Vial: 21
Operator: sdp
Inst : GC/MS-5
Multiplr: 1.00

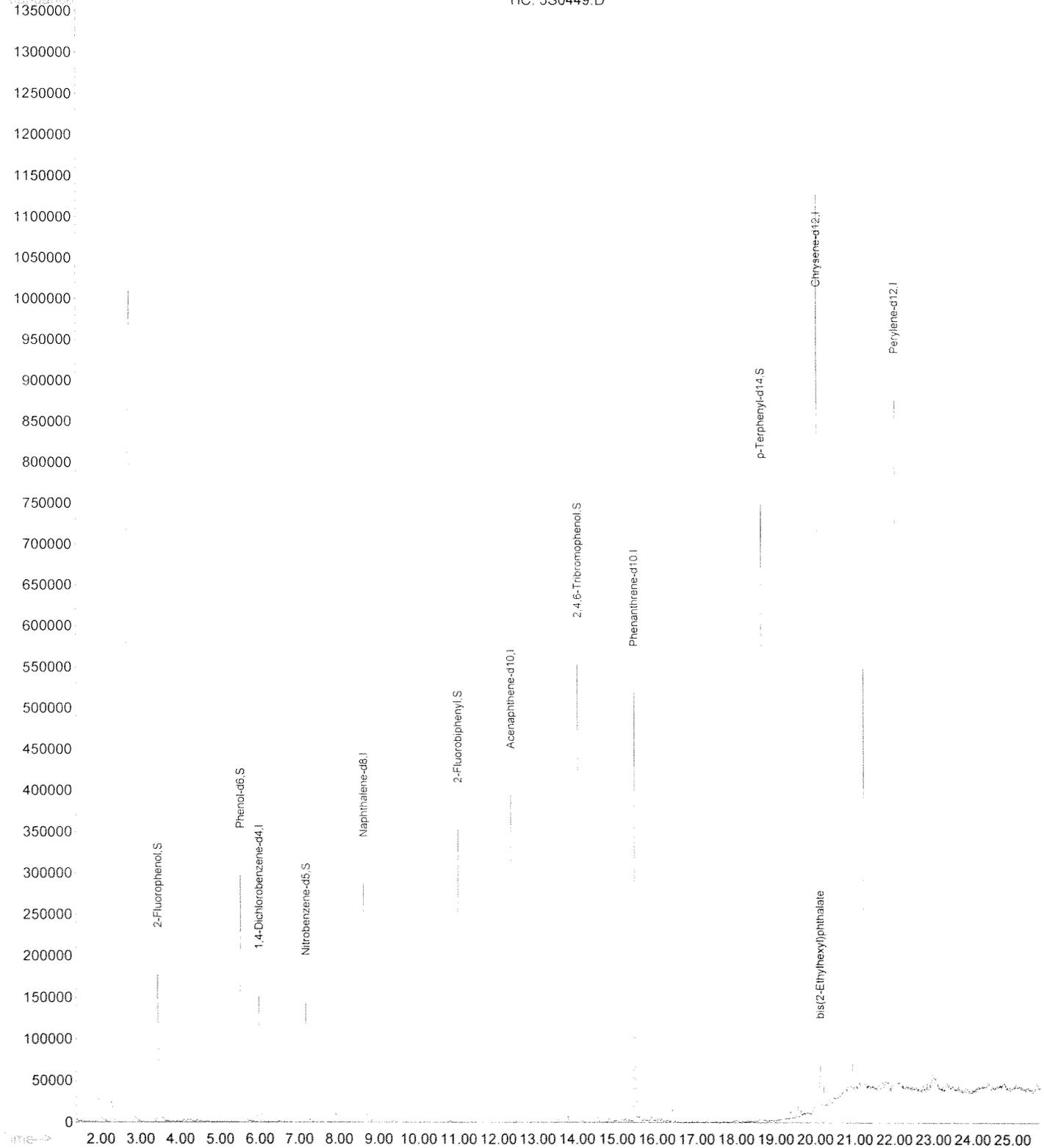
162

Quant Results File: 1201ABNS.RES

Method : G:\HPChem\5\Methods\1201ABNS.M (RTE Integrator)
Title : BNA by EPA 8270C method
Last Update : Fri Jan 21 15:02:20 2011
Response via : Initial Calibration

Approved:
24-Jan-2011 11:34

TIC: 5S0449.D



Aqua Pro-Tech Laboratories
Semi-Volatile Organic Instrument Performance Check (Tune)
DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Client: TERMS ENVIRONMENTAL

DFTPP Injection Date: 24-Jan-11

Project: Vet Park

DFTPP Injection Time: 12:07

Lab File ID: G:\HPCChem\5\Data\01242011\5S0454.D

m/z	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0% of mass 198	59.9
68	0.00 - 2.00% of mass 69	0.00
69	0.00 - 100% of mass 198	76.9
70	0.00 - 2.00% of mass 69	0.00
127	40.0 - 60.0% of mass 198	48.0
197	0.00 - 1.00% of mass 198	0.00
198	100 - 100% of mass 198	100
199	5.00 - 9.00% of mass 198	7.20
275	10.0 - 30.0% of mass 198	22.9
365	1.00 - 100% of mass 198	3.50
441	0.0100 - 100% of mass 443	81.6
442	40.0 - 100% of mass 198	89.4
443	17.0 - 23.0% of mass 442	19.4

This check applies to the following Samples, MS, MSD, Blanks, and Standards

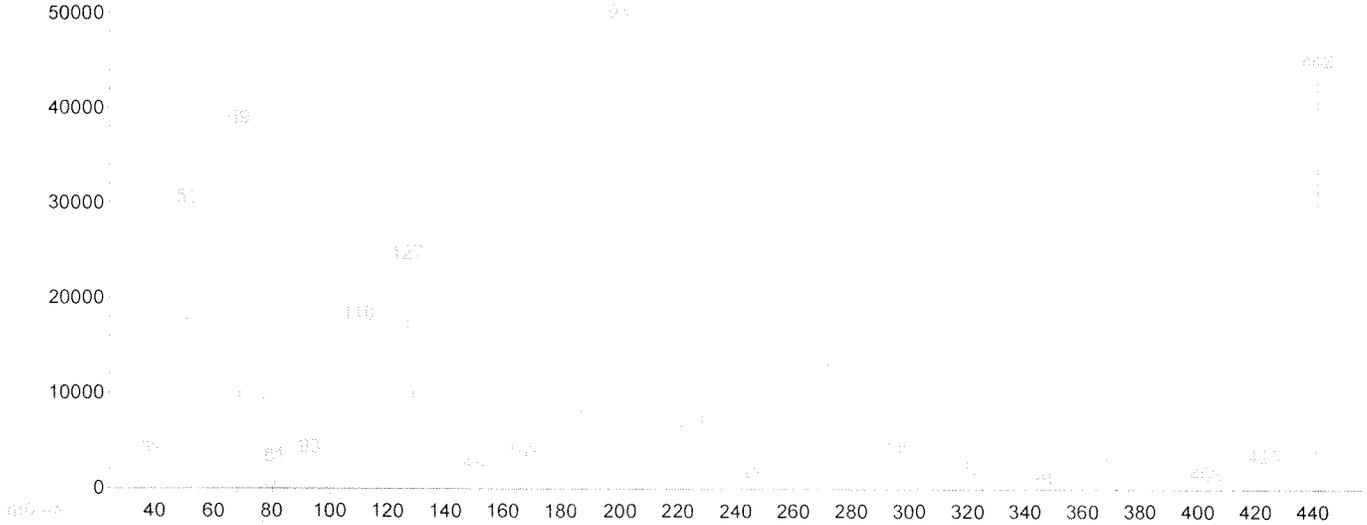
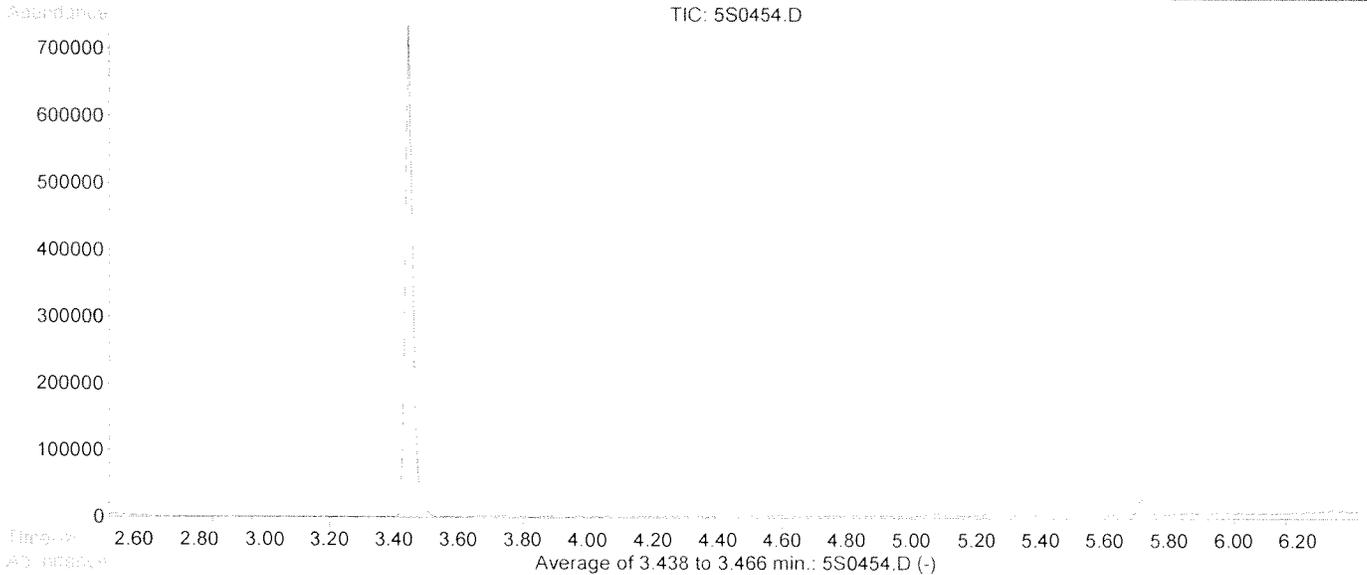
Client Sample	Lab Sample ID	Lab File ID	Date Acquired	Time Acquired
CCV	050 ppb ABN ccv	5S0455.D	24-Jan-11	12:21
Comp A	11010298-001	5S0457.D	24-Jan-11	13:25
Comp B	11010298-002	5S0458.D	24-Jan-11	13:58

Data File : G:\HPChem\5\Data\01242011\5S0454.D
 Acq On : 24 Jan 2011 12:07 pm
 Sample : Dftpp
 Misc :
 MS Integration Params: rteint.p
 Method : G:\HPChem\5\Methods\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method

Vial: 1
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

Approved:
 25-Jan-2011 11:45

[Signature]



Spectrum Information: Average of 3.438 to 3.466 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	59.9	29478	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	76.9	37818	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	48.0	23580	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	49172	PASS
199	198	5	9	7.2	3516	PASS
275	198	10	30	22.9	11271	PASS
365	198	1	100	3.5	1707	PASS
441	443	0.01	100	81.6	6952	PASS
442	198	40	100	89.4	43982	PASS
443	442	17	23	19.4	8519	PASS

Aqua Pro-Tech Laboratories
Semi-Volatile Organic Instrument Performance Check (Tune)
DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Client: TERMS ENVIRONMENTAL

DFTPP Injection Date: 20-Jan-11

Project: Vet Park

DFTPP Injection Time: 15:16

Lab File ID:

G:\HPCChem\5\Data\01202011\5S0429.D

m/z	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0% of mass 198	52.2
68	0.00 - 2.00% of mass 69	0.00
69	0.00 - 100% of mass 198	64.1
70	0.00 - 2.00% of mass 69	0.00
127	40.0 - 60.0% of mass 198	41.5
197	0.00 - 1.00% of mass 198	0.00
198	100 - 100% of mass 198	100
199	5.00 - 9.00% of mass 198	6.70
275	10.0 - 30.0% of mass 198	23.4
365	1.00 - 100% of mass 198	3.00
441	0.0100 - 100% of mass 443	82.1
442	40.0 - 100% of mass 198	99.2
443	17.0 - 23.0% of mass 442	20.8

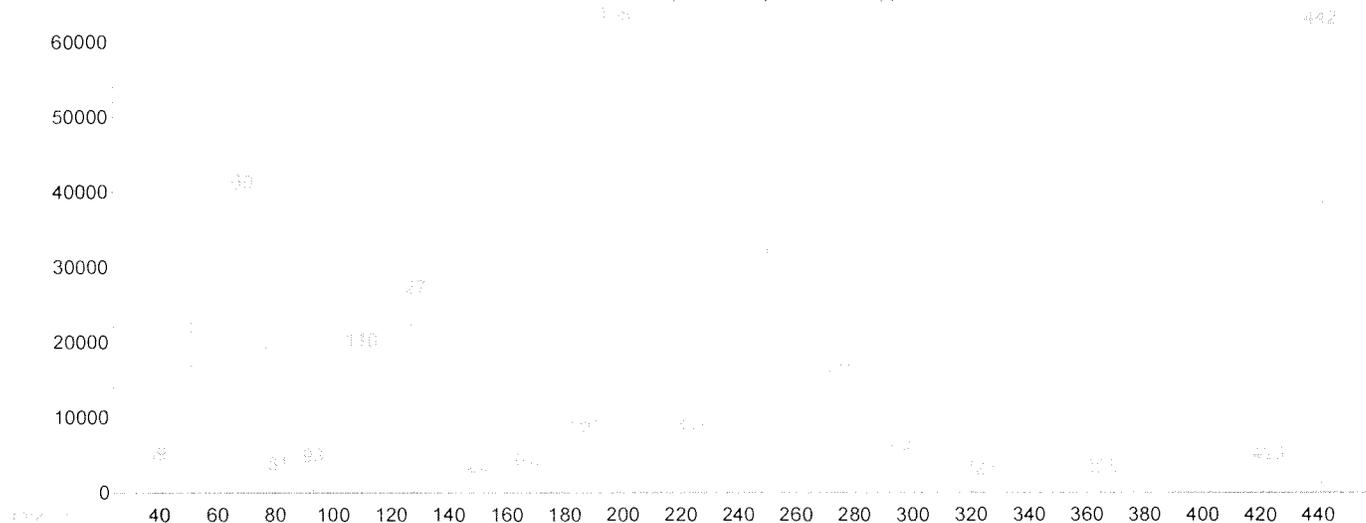
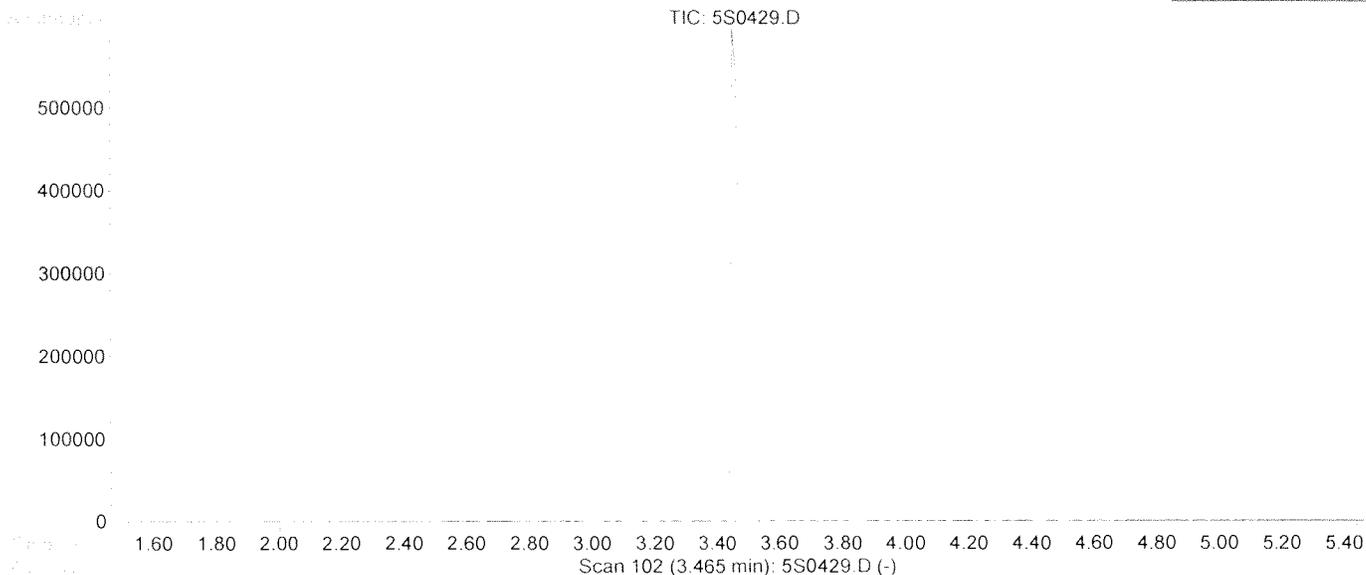
This check applies to the following Samples, MS, MSD, Blanks, and Standards

Client Sample	Lab Sample ID	Lab File ID	Date Acquired	Time Acquired
CCV	050 ppb ABN ccv	5S0430.D	20-Jan-11	15:30
Blank - 2122	sabn 019 blk	5S0449.D	21-Jan-11	2:02
Blank Spike - 2122	sabn 019 lcs	5S0448.D	21-Jan-11	1:28

Data File : G:\HPChem\5\Data\01202011\5S0429.D
 Acq On : 20 Jan 2011 3:16 pm
 Sample : Dftpp
 Misc :
 MS Integration Params: rteint.p
 Method : G:\HPChem\5\Methods\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method

Vial: 1
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

Approved:
 24-Jan-2011 11:34

Spectrum Information: Scan 102

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.2	32440	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	64.1	39824	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	41.5	25776	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	62168	PASS
199	198	5	9	6.7	4174	PASS
275	198	10	30	23.4	14571	PASS
365	198	1	100	3.0	1875	PASS
441	443	0.01	100	82.1	10548	PASS
442	198	40	100	99.2	61648	PASS
443	442	17	23	20.8	12843	PASS

Aqua Pro-Tech Laboratories
Semi-Volatile Organic Instrument Performance Check (Tune)
DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Client: TERMS ENVIRONMENTAL

DFTPP Injection Date: 26-Jan-11

Project: Vet Park

DFTPP Injection Time: 10:21

Lab File ID: G:\HPCChem\5\Data\01262011\5S0477.D

m/z	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0% of mass 198	59.8
68	0.00 - 2.00% of mass 69	0.00
69	0.00 - 100% of mass 198	68.0
70	0.00 - 2.00% of mass 69	0.400
127	40.0 - 60.0% of mass 198	45.1
197	0.00 - 1.00% of mass 198	0.00
198	100 - 100% of mass 198	100
199	5.00 - 9.00% of mass 198	7.40
275	10.0 - 30.0% of mass 198	21.2
365	1.00 - 100% of mass 198	3.10
441	0.0100 - 100% of mass 443	72.6
442	40.0 - 100% of mass 198	90.0
443	17.0 - 23.0% of mass 442	20.0

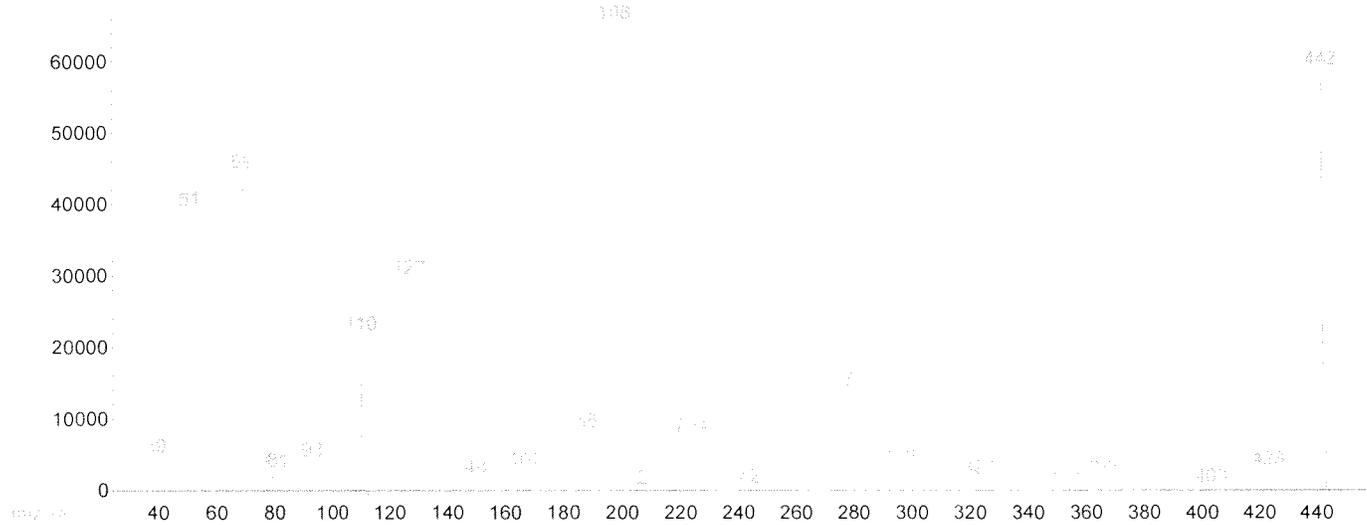
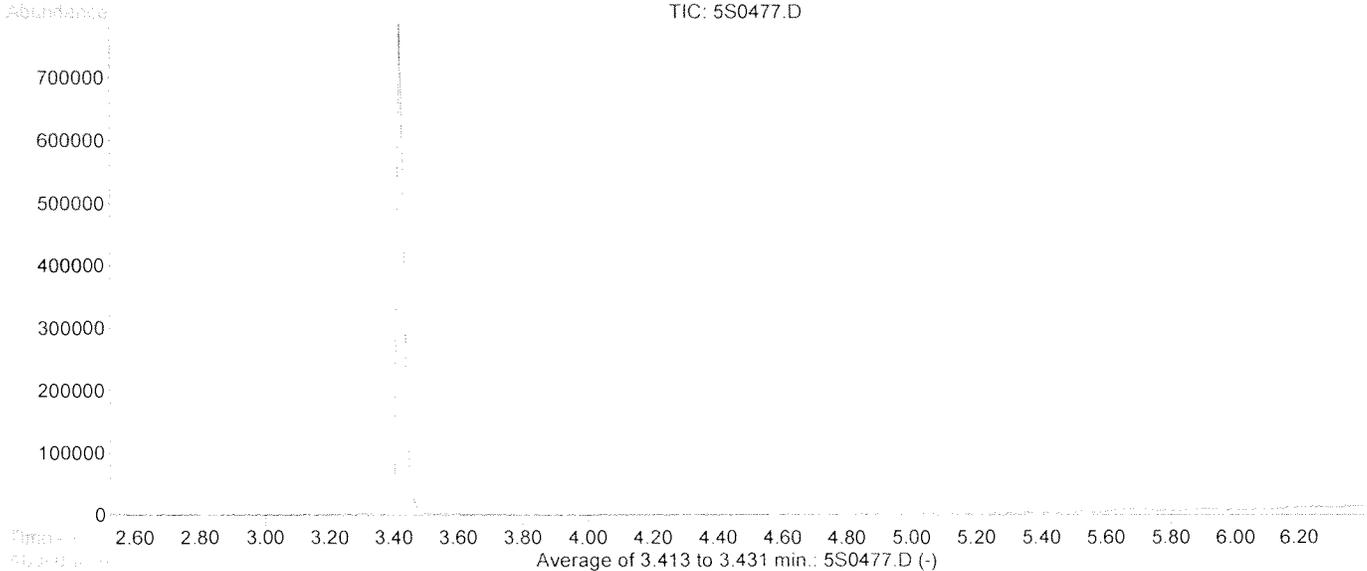
This check applies to the following Samples, MS, MSD, Blanks, and Standards

Client Sample	Lab Sample ID	Lab File ID	Date Acquired	Time Acquired
CCV	050 ppb ABN ccv	5S0478.D	26-Jan-11	10:36
Matrix Spike - 2122	ms 11010380-008	5S0499.D	26-Jan-11	22:19
Matrix Spike Dup - 2122	msd 11010380-008	5S0500.D	26-Jan-11	22:52

Data File : G:\HPChem\5\Data\01262011\5S0477.D
 Acq On : 26 Jan 2011 10:21 am
 Sample : Dftpp
 Misc :
 MS Integration Params: rteint.p
 Method : G:\HPChem\5\Methods\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method

Vial: 1
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

Approved:
 27-Jan-2011 12:21

Spectrum Information: Average of 3.413 to 3.431 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	59.8	39095	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	68.0	44456	PASS
70	69	0.00	2	0.4	172	PASS
127	198	40	60	45.1	29520	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	65392	PASS
199	198	5	9	7.4	4819	PASS
275	198	10	30	21.2	13838	PASS
365	198	1	100	3.1	2029	PASS
441	443	0.01	100	72.6	8548	PASS
442	198	40	100	90.0	58829	PASS
443	442	17	23	20.0	11772	PASS

Aqua Pro-Tech Laboratories
Semi-Volatile Organic Initial Calibration

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Client: TERMS ENVIRONMENTAL

Project: Vet Park

Calibration Date: 1-Dec-10

Lab File ID: RRF5: 5S0181.D RRF10: 5S0180.D RRF20: 5S0179.D

RRF50: 5S0177.D RRF60: 5S0176.D RRF80: 5S0175.D

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	RRF5	RRF10	RRF20	RRF50	RRF60	RRF80	Avg RRF	% RSD	Cal Type
n-Nitroso-dimethylamine	1.06	1.17	1.16	1.22	1.16	1.22	1.16	5.18	Average RRF
Pyridine	1.81	1.69	1.67	1.67	1.64	1.59	1.68	4.39	Average RRF
2-Fluorophenol	0.873	1.07	1.02	1.14	1.09	1.18	1.06	10.0	Average RRF
Benzaldehyde	1.24	1.31	1.05	0.927	0.726	0.630	0.981	27.8	Average RRF
Aniline	2.09	2.25	2.20	2.25	2.13	2.24	2.19	3.11	Average RRF
Phenol-d6	1.77	1.86	1.86	1.81	1.75	1.80	1.81	2.51	Average RRF
Phenol *	1.89	2.01	2.02	1.95	1.85	1.89	1.93	3.67	Average RRF
bis(2-Chloroethyl)ether	1.52	1.62	1.51	1.42	1.42	1.41	1.49	5.53	Average RRF
2-Chlorophenol	1.38	1.46	1.46	1.39	1.37	1.38	1.41	2.87	Average RRF
1,3-Dichlorobenzene	1.64	1.66	1.60	1.53	1.51	1.55	1.58	3.82	Average RRF
1,4-Dichlorobenzene *	1.65	1.72	1.61	1.54	1.54	1.54	1.60	4.55	Average RRF
1,2-Dichlorobenzene	1.71	1.70	1.59	1.54	1.52	1.57	1.61	4.98	Average RRF
Benzyl Alcohol	0.640	0.830	0.929	0.954	0.949	0.957	0.876	14.3	Average RRF
bis(2-Chloroisopropyl)ether	5.28	5.41	5.31	5.22	5.07	5.05	5.22	2.67	Average RRF
2-Methylphenol *	1.42	1.49	1.44	1.40	1.38	1.37	1.41	3.17	Average RRF
Acetophenone	2.21	2.37	2.26	2.19	2.11	2.14	2.21	4.20	Average RRF
n-Nitroso-di-n-propylamine **	1.07	1.00	1.10	1.21	1.13	1.14	1.11	6.36	Average RRF
Hexachloroethane	0.848	0.911	0.851	0.848	0.804	0.818	0.847	4.36	Average RRF
3+4-Methylphenol *	1.50	1.61	1.56	1.53	1.46	1.47	1.53	3.69	Average RRF
Nitrobenzene-d5	0.479	0.528	0.497	0.485	0.465	0.479	0.489	4.46	Average RRF
Nitrobenzene	0.518	0.533	0.510	0.477	0.445	0.452	0.489	7.46	Average RRF
Isophorone	0.969	1.00	0.967	0.929	0.881	0.904	0.942	4.90	Average RRF
2-Nitrophenol *	0.207	0.242	0.247	0.252	0.233	0.242	0.237	6.77	Average RRF
2,4-Dimethylphenol	0.442	0.466	0.424	0.417	0.390	0.397	0.423	6.70	Average RRF
bis(2-Chloroethoxy)methane	0.564	0.595	0.576	0.546	0.523	0.537	0.557	4.77	Average RRF
2,4-Dichlorophenol *	0.355	0.406	0.388	0.370	0.345	0.358	0.370	6.17	Average RRF
1,2,4-Trichlorobenzene	0.447	0.462	0.418	0.381	0.371	0.376	0.409	9.56	Average RRF
Benzoic Acid		0.0820	0.147	0.213	0.189	0.186	0.163	31.4	Average RRF
Naphthalene	1.23	1.21	1.10	0.996	0.935	0.954	1.07	12.0	Average RRF
2,6-Dichlorophenol	0.402	0.395	0.394	0.340	0.326	0.326	0.364	10.1	Average RRF
4-Chloroaniline	0.559	0.581	0.547	0.488	0.448	0.455	0.513	11.1	Average RRF
Hexachlorobutadiene *	0.322	0.338	0.321	0.281	0.268	0.266	0.299	10.5	Average RRF
Caprolactam	0.129	0.150	0.161	0.170	0.0900	0.161	0.144	20.7	Average RRF
4-Chloro-3-methylphenol *	0.471	0.541	0.492	0.471	0.441	0.452	0.478	7.43	Average RRF
2-Methylnaphthalene	1.01	0.974	0.857	0.714	0.663	0.653	0.813	19.6	Average RRF
Hexachlorocyclopentadiene **		0.138	0.213	0.285	0.293	0.313	0.248	29.1	Average RRF
2,4,6-Trichlorophenol *	0.459	0.489	0.461	0.429	0.410	0.411	0.443	7.14	Average RRF
2,4,5-Trichlorophenol *	0.479	0.524	0.505	0.447	0.430	0.435	0.470	8.28	Average RRF
2-Fluorobiphenyl	1.53	1.46	1.35	1.07	1.05	1.04	1.25	17.7	Average RRF
2-Chloronaphthalene	1.25	1.24	1.10	0.837	0.801	0.792	1.00	21.8	Average RRF
Biphenyl	1.57	1.53	1.31	0.978	0.933	0.908	1.21	25.3	Average RRF
2-Nitroaniline	0.470	0.541	0.531	0.518	0.483	0.511	0.509	5.41	Average RRF
Dimethylphthalate	1.61	1.65	1.57	1.38	1.33	1.35	1.48	9.69	Average RRF

Aqua Pro-Tech Laboratories
Semi-Volatile Organic Initial Calibration

170

Client: TERMS ENVIRONMENTAL

Project: Vet Park

Calibration Date: 1-Dec-10

Lab File ID: RRF5: 5S0181.D RRF10: 5S0180.D RRF20: 5S0179.D
RRF50: 5S0177.D RRF60: 5S0176.D RRF80: 5S0175.D

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	RRF5	RRF10	RRF20	RRF50	RRF60	RRF80	Avg RRF	% RSD	Cal Type
Acenaphthylene	1.91	1.91	1.75	1.49	1.45	1.45	1.66	13.4	Average RRF
2,6-Dinitrotoluene	0.338	0.384	0.370	0.340	0.318	0.326	0.346	7.43	Average RRF
3-Nitroaniline	0.366	0.377	0.320	0.280	0.259	0.260	0.310	16.9	Average RRF
Acenaphthene *	1.34	1.30	1.20	0.992	0.965	0.943	1.12	16.0	Average RRF
2,4-Dinitrophenol **		0.0930	0.168	0.223	0.210	0.218	0.182	29.9	Average RRF
Dibenzofuran	2.10	2.05	1.95	1.63	1.56	1.53	1.80	14.3	Average RRF
2,4-Dinitrotoluene	0.516	0.592	0.596	0.563	0.525	0.530	0.554	6.33	Average RRF
4-Nitrophenol **	0.197	0.279	0.322	0.387	0.372	0.385	0.324	23.2	Average RRF
2,3,4,6-Tetrachlorophenol	0.436	0.507	0.503	0.485	0.456	0.459	0.474	6.00	Average RRF
Diethylphthalate	1.88	1.94	1.76	1.59	1.52	1.50	1.70	11.1	Average RRF
Fluorene	1.68	1.75	1.52	1.27	1.20	1.18	1.43	17.4	Average RRF
4-Chlorophenyl phenyl ether	0.896	0.949	0.868	0.724	0.685	0.678	0.800	14.8	Average RRF
4-Nitroaniline	0.238	0.368	0.373	0.383	0.352	0.373	0.348	15.7	Average RRF
4,6-Dinitro-2-methylphenol		0.126	0.165	0.170	0.161	0.162	0.157	11.2	Average RRF
n-Nitrosodiphenylamine *	0.593	0.557	0.531	0.447	0.419	0.406	0.492	15.9	Average RRF
1,2-Diphenylhydrazine	1.12	1.09	1.05	0.972	0.918	0.905	1.01	8.98	Average RRF
2,4,6-Tribromophenol	0.315	0.335	0.327	0.299	0.285	0.279	0.307	7.41	Average RRF
4-Bromophenyl-phenyl ether	0.361	0.358	0.339	0.288	0.276	0.270	0.315	13.3	Average RRF
Hexachlorobenzene	0.556	0.520	0.504	0.426	0.403	0.394	0.467	14.6	Average RRF
Atrazine	0.272	0.266	0.243	0.195	0.193	0.198	0.228	16.2	Average RRF
Pentachlorophenol *		0.111	0.148	0.191	0.183	0.189	0.164	21.0	Average RRF
Phenanthrene	1.36	1.31	1.21	0.980	0.929	0.909	1.12	18.0	Average RRF
Anthracene	1.38	1.33	1.24	1.00	0.960	0.929	1.14	17.5	Average RRF
Carbazole	1.19	1.00	1.25	0.596	1.16	1.16	1.06	22.8	Average RRF
Di-n-butylphthalate	2.00	1.93	1.87	1.57	1.50	1.45	1.72	13.9	Average RRF
Fluoranthene *	1.84	1.73	1.69	1.33	1.24	1.21	1.51	18.4	Average RRF
Benzidine	0.109	0.0650	0.0430	0.0680	0.0520	0.0530	0.0650	36.0	Average RRF
Pyrene	1.34	1.35	1.32	1.23	1.10	1.11	1.24	9.18	Average RRF
p-Terphenyl-d14	1.04	1.05	1.04	0.956	0.846	0.837	0.961	10.3	Average RRF
Butylbenzylphthalate	0.728	0.757	0.722	0.712	0.644	0.647	0.702	6.56	Average RRF
3,3'-Dichlorobenzidine	0.504	0.439	0.315	0.274	0.246	0.236	0.336	33.0	Average RRF
Benzo(a)anthracene	1.25	1.25	1.20	1.06	0.948	0.958	1.11	12.5	Average RRF
Chrysene	1.45	1.37	1.24	1.07	1.01	0.999	1.19	16.3	Average RRF
bis(2-Ethylhexyl)phthalate	1.11	1.08	0.975	0.865	0.795	0.769	0.931	15.4	Average RRF
Di-n-octylphthalate *	1.53	1.55	1.41	1.08	1.01	0.966	1.26	21.4	Average RRF
Benzo(b)fluoranthene	1.27	1.31	1.27	1.09	0.917	1.03	1.15	13.7	Average RRF
Benzo(k)fluoranthene	1.11	1.29	1.03	0.726	0.782	0.624	0.928	27.7	Average RRF
Benzo(a)pyrene *	1.21	1.22	1.09	0.923	0.881	0.848	1.03	16.1	Average RRF
Indeno(1,2,3-cd)pyrene	1.53	1.55	1.47	1.22	1.17	1.16	1.35	13.7	Average RRF
Dibenzo(a,h)anthracene	1.28	1.28	1.19	0.953	0.909	0.898	1.09	17.0	Average RRF
Benzo(g,h,i)perylene	1.31	1.36	1.32	1.14	1.09	1.09	1.22	10.4	Average RRF

Average %RSD = 12.7

Aqua Pro-Tech Laboratories
Semi-Volatile Organic Instrument Performance Check (Tune)
DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Client: TERMS ENVIRONMENTAL

DFTPP Injection Date: 1-Dec-10

Project: Vet Park

DFTPP Injection Time: 10:41

Lab File ID: G:\HPCChem\5\Data\12012010\5S0174.D

m/z	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0% of mass 198	57.9
68	0.00 - 2.00% of mass 69	0.00
69	0.00 - 100% of mass 198	66.9
70	0.00 - 2.00% of mass 69	0.400
127	40.0 - 60.0% of mass 198	40.5
197	0.00 - 1.00% of mass 198	0.00
198	100 - 100% of mass 198	100
199	5.00 - 9.00% of mass 198	7.30
275	10.0 - 30.0% of mass 198	20.6
365	1.00 - 100% of mass 198	2.20
441	0.0100 - 100% of mass 443	73.6
442	40.0 - 100% of mass 198	48.1
443	17.0 - 23.0% of mass 442	20.8

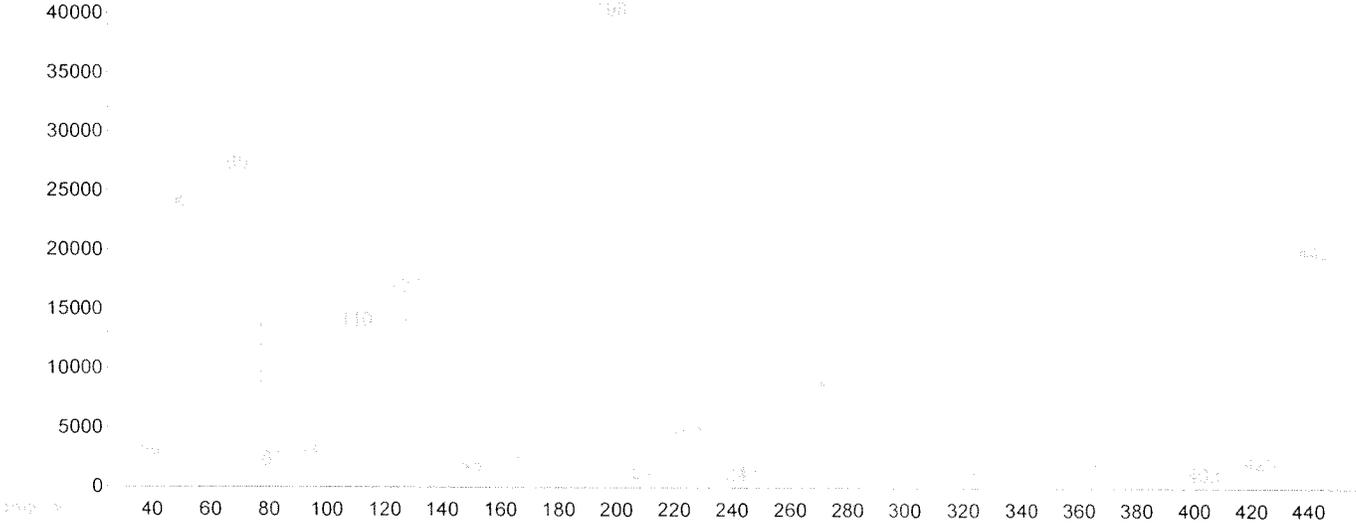
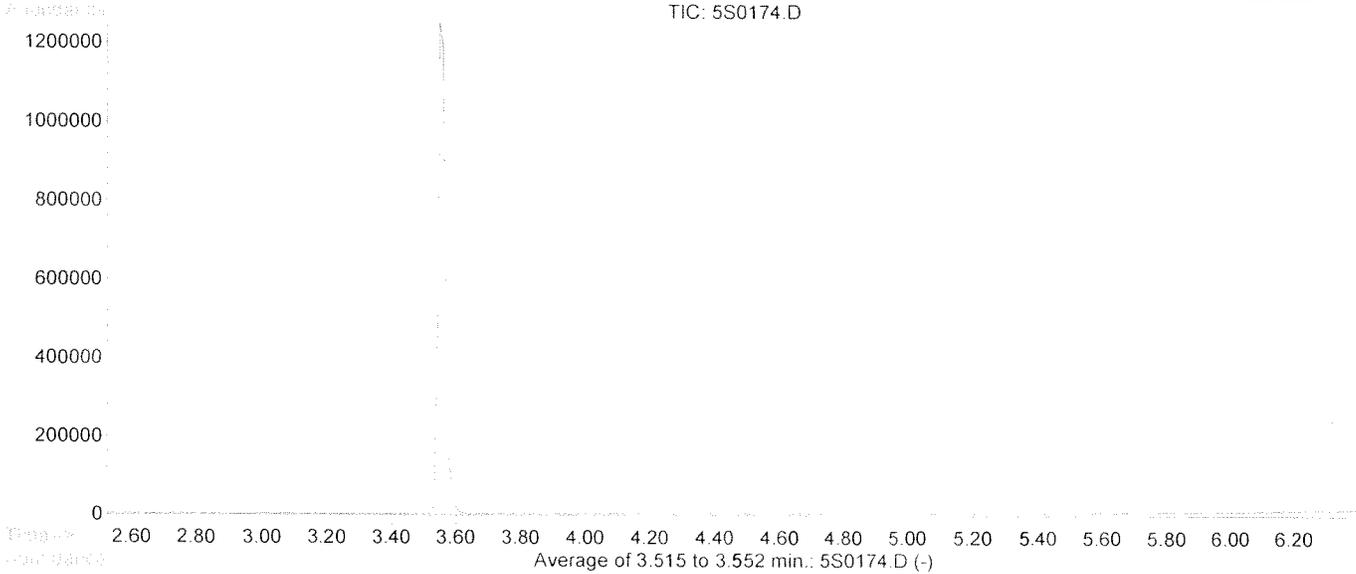
This check applies to the following Samples, MS, MSD, Blanks, and Standards

Client Sample	Lab Sample ID	Lab File ID	Date Acquired	Time Acquired
SSTD5	005 ppb ABN ical std	5S0181.D	1-Dec-10	16:22
SSTD10	010 ppb ABN ical std	5S0180.D	1-Dec-10	15:13
SSTD20	020 ppb ABN ical std	5S0179.D	1-Dec-10	14:34
SSTD50	050 ppb ABN ical std	5S0177.D	1-Dec-10	13:15
SSTD60	060 ppb ABN ical std	5S0176.D	1-Dec-10	12:14
SSTD80	080 ppb ABN ical std	5S0175.D	1-Dec-10	11:38

Data File : G:\HPChem\5\Data\12012010\5S0174.D
 Acq On : 1 Dec 2010 10:41 am
 Sample : Dftpp
 Misc :
 MS Integration Params: rteint.p
 Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method

Vial: 1
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

Approved:
 02-Dec-2010 12:37

Spectrum Information: Average of 3.515 to 3.552 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	57.9	22873	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	66.9	26388	PASS
70	69	0.00	2	0.4	117	PASS
127	198	40	60	40.5	15978	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	39473	PASS
199	198	5	9	7.3	2888	PASS
275	198	10	30	20.6	8150	PASS
365	198	1	100	2.2	885	PASS
441	443	0.01	100	73.6	2904	PASS
442	198	40	100	48.1	18990	PASS
443	442	17	23	20.8	3945	PASS

Aqua Pro-Tech Laboratories
Semi-Volatile Organics Continuing Calibration Check

Client: TERMS ENVIRONMENTAL
Project: Vet Park

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	Avg RRF	CCC RRF	Min RRF	RRF %D	Conc	CCC Conc	Conc %D	Max %D	Cal Type
n-Nitroso-dimethylamine	1.16	1.12		3.56	50.0	48.2	3.57		Average RRF
Pyridine	1.68	1.58		5.55	50.0	47.2	5.54		Average RRF
2-Fluorophenol	1.06	1.04		1.89	50.0	49.1	1.86		Average RRF
Benzaldehyde	0.981	0.842		14.1	50.0	42.9	14.1		Average RRF
Aniline	2.19	2.00		8.87	50.0	45.6	8.87		Average RRF
Phenol-d6	1.81	1.87		3.43	50.0	51.7	3.43		Average RRF
Phenol*	1.93	1.78	0.0100	7.90	50.0	46.0	7.90	20.0	Average RRF
bis(2-Chloroethyl)ether	1.49	1.39		6.19	50.0	46.9	6.19		Average RRF
2-Chlorophenol	1.41	1.38		1.65	50.0	49.2	1.64		Average RRF
1,3-Dichlorobenzene	1.58	1.51		4.70	50.0	47.7	4.70		Average RRF
1,4-Dichlorobenzene*	1.60	1.54	0.0100	3.67	50.0	48.2	3.67	20.0	Average RRF
1,2-Dichlorobenzene	1.61	1.50		6.52	50.0	46.7	6.52		Average RRF
Benzyl Alcohol	0.876	0.889		1.48	50.0	50.7	1.48		Average RRF
bis(2-Chloroisopropyl)ether	5.22	4.27		18.3	50.0	40.9	18.3		Average RRF
2-Methylphenol*	1.41	1.42	0.0100	0.573	50.0	50.3	0.579		Average RRF
Acetophenone	2.21	2.11		4.90	50.0	47.5	4.90		Average RRF
n-Nitroso-di-n-propylamine **	1.11	0.931	0.0500	15.9	50.0	42.0	16.0		Average RRF
Hexachloroethane	0.847	0.839		0.858	50.0	49.6	0.873		Average RRF
3+4-Methylphenol*	1.53	1.48	0.0100	2.80	50.0	48.6	2.79		Average RRF
Nitrobenzene-d5	0.489	0.446		8.84	50.0	45.6	8.86		Average RRF
Nitrobenzene	0.489	0.454		7.09	50.0	46.5	7.09		Average RRF
Isophorone	0.942	0.826		12.3	50.0	43.8	12.3		Average RRF
2-Nitrophenol*	0.237	0.197	0.0100	16.9	50.0	41.6	16.8	20.0	Average RRF
2,4-Dimethylphenol	0.423	0.396		6.38	50.0	46.8	6.37		Average RRF
bis(2-Chloroethoxy)methane	0.557	0.474		14.8	50.0	42.6	14.8		Average RRF
2,4-Dichlorophenol*	0.370	0.308	0.0100	16.9	50.0	41.5	16.9	20.0	Average RRF
1,2,4-Trichlorobenzene	0.409	0.319		22.0	50.0	41.0	18.0		Average RRF
Benzoic Acid	0.163	0.165		0.979	50.0	50.5	1.01		Average RRF
Naphthalene	1.07	0.928		13.4	50.0	43.3	13.4		Average RRF
2,6-Dichlorophenol	0.364	0.302		16.9	50.0	41.6	16.9		Average RRF
4-Chloroaniline	0.513	0.436		15.1	50.0	42.5	15.1		Average RRF
Hexachlorobutadiene*	0.299	0.209	0.0100	30.1	50.0	43.8	12.5	20.0	Average RRF
Caprolactam	0.144	0.130		9.20	50.0	45.4	9.16		Average RRF
4-Chloro-3-methylphenol*	0.478	0.387	0.0100	19.0	50.0	40.5	19.0	20.0	Average RRF
2-Methylnaphthalene	0.813	0.847		4.24	75.0	78.2	4.25		Average RRF
Hexachlorocyclopentadiene **	0.248	0.0760	0.0500	69.4	50.0	17.6	64.7		Average RRF
2,4,6-Trichlorophenol*	0.443	0.355	0.0100	20.0	50.0	40.0	20.0	20.0	Average RRF
2,4,5-Trichlorophenol*	0.470	0.347	0.0100	26.2	50.0	36.9	26.2		Average RRF
2-Fluorobiphenyl	1.25	1.02		17.9	50.0	41.0	17.9		Average RRF
2-Chloronaphthalene	1.00	0.888		11.4	50.0	44.3	11.4		Average RRF
Biphenyl	1.21	1.08		10.6	50.0	44.7	10.6		Average RRF
2-Nitroaniline	0.509	0.473		7.05	50.0	46.5	7.07		Average RRF
Dimethylphthalate	1.48	1.24		16.5	50.0	41.7	16.5		Average RRF
Acenaphthylene	1.66	1.49		10.2	50.0	44.9	10.2		Average RRF

Aqua Pro-Tech Laboratories
Semi-Volatile Organics Continuing Calibration Check

Client: TERMS ENVIRONMENTAL
Project: Vet Park

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	Avg RRF	CCC RRF	Min RRF	RRF %D	Conc	CCC Conc	Conc %D	Max %D	Cal Type
2,6-Dinitrotoluene	0.346	0.302		12.7	50.0	43.6	12.7		Average RRF
3-Nitroaniline	0.310	0.275		11.5	50.0	44.3	11.4		Average RRF
Acenaphthene*	1.12	1.02	0.0100	9.28	50.0	45.4	9.29	20.0	Average RRF
2,4-Dinitrophenol **	0.182	0.0262	0.0500	85.6	50.0	29.9	40.3		Average RRF
Dibenzofuran	1.80	1.53		14.9	50.0	42.6	14.9		Average RRF
2,4-Dinitrotoluene	0.554	0.437		21.1	50.0	39.4	21.1		Average RRF
4-Nitrophenol **	0.324	0.333	0.0500	2.76	50.0	51.4	2.78		Average RRF
2,3,4,6-Tetrachlorophenol	0.474	0.332		29.9	50.0	35.0	29.9		Average RRF
Diethylphthalate	1.70	1.44		15.2	50.0	42.4	15.2		Average RRF
Fluorene	1.43	1.19		16.7	50.0	41.6	16.7	20.0	Average RRF
4-Chlorophenyl phenyl ether	0.800	0.608		24.0	50.0	38.0	24.0		Average RRF
4-Nitroaniline	0.348	0.338		2.68	50.0	48.7	2.66		Average RRF
4,6-Dinitro-2-methylphenol	0.157	0.0661		57.8	50.0	29.5	41.1		Average RRF
n-Nitrosodiphenylamine*	0.492	0.453	0.0100	7.94	50.0	46.0	7.97	20.0	Average RRF
1,2-Diphenylhydrazine	1.01	1.13		12.5	50.0	56.3	12.5		Average RRF
2,4,6-Tribromophenol	0.307	0.322		4.87	50.0	52.4	4.79		Average RRF
4-Bromophenyl-phenyl ether	0.315	0.226		28.2	50.0	35.9	28.2		Average RRF
Hexachlorobenzene	0.467	0.0838		82.1	50.0	40.5	19.0		Average RRF
Atrazine	0.228	0.186		18.4	50.0	40.8	18.4		Average RRF
Pentachlorophenol*	0.164	0.121	0.0100	26.3	50.0	46.2	7.54	20.0	Average RRF
Phenanthrene	1.12	0.990		11.3	50.0	44.3	11.3		Average RRF
Anthracene	1.14	1.05		8.19	50.0	45.9	8.18		Average RRF
Carbazole	1.06	1.04		1.39	50.0	49.3	1.38		Average RRF
Di-n-butylphthalate	1.72	1.63		5.34	50.0	47.3	5.33		Average RRF
Fluoranthene*	1.51	1.27	0.0100	15.6	50.0	42.2	15.6	20.0	Average RRF
Benzidine	0.0650	0.0234		64.0	50.0	32.0	36.0		Average RRF
Pyrene	1.24	1.02		18.1	50.0	41.0	18.1		Average RRF
p-Terphenyl-d14	0.961	0.697		27.5	50.0	36.3	27.5		Average RRF
Butylbenzylphthalate	0.702	0.679		3.23	50.0	48.4	3.20		Average RRF
3,3'-Dichlorobenzidine	0.336	0.275		18.2	50.0	40.9	18.2		Average RRF
Benzo(a)anthracene	1.11	0.921		17.0	50.0	41.5	17.0		Average RRF
Chrysene	1.19	1.03		13.5	50.0	43.2	13.5		Average RRF
bis(2-Ethylhexyl)phthalate	0.931	0.996		6.95	50.0	53.5	6.94		Average RRF
Di-n-octylphthalate*	1.26	1.36	0.0100	8.10	50.0	54.1	8.11	20.0	Average RRF
Benzo(b)fluoranthene	1.15	0.988		13.8	50.0	43.1	13.8		Average RRF
Benzo(k)fluoranthene	0.928	0.774		16.6	50.0	41.7	16.6		Average RRF
Benzo(a)pyrene*	1.03	0.888	0.0100	13.5	50.0	43.2	13.5	20.0	Average RRF
Indeno(1,2,3-cd)pyrene	1.35	0.952		29.6	50.0	35.2	29.6		Average RRF
Dibenzo(a,h)anthracene	1.09	0.778		28.3	50.0	35.8	28.3		Average RRF
Benzo(g,h,i)perylene	1.22	0.813		33.2	50.0	33.4	33.2		Average RRF

Average Conc %D = 13.8

Data File : G:\HPChem\5\Data\01242011\5S0455.D
 Acq On : 24 Jan 2011 12:21 pm
 Sample : 050 ppb ABN ccv
 Misc :

Vial: 2
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

175

MS Integration Params: rteint.p
 Quant Time: Jan 25 10:41 2011

Quant Results File: 1201ABNS.RES

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)

Title : BNA by EPA 8270C method

Last Update : Tue Jan 25 10:40:18 2011

Response via : Initial Calibration

DataAcq Meth : RUN8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	38332	40.00	ug/kg	-0.03
21) Naphthalene-d8	8.57	136	176409	40.00	ug/kg	-0.03
38) Acenaphthene-d10	12.27	164	130322	40.00	ug/kg	-0.03
60) Phenanthrene-d10	15.39	188	248583	40.00	ug/kg	-0.03
74) Chrysene-d12	20.03	240	333809	40.00	ug/kg	-0.02
83) Perylene-d12	21.96	264	479777	40.00	ug/kg	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	3.32	112	49870	49.07	ug/kg	-0.03
Spiked Amount	100.000	Range 46 - 77	Recovery	=	49.07%	
7) Phenol-d6	5.44	99	89618	51.72	ug/kg	-0.02
Spiked Amount	100.000	Range 32 - 60	Recovery	=	51.72%	
22) Nitrobenzene-d5	7.13	82	98249	45.57	ug/kg	-0.02
Spiked Amount	50.000	Range 49 - 112	Recovery	=	91.14%	
42) 2-Fluorobiphenyl	10.94	172	166971	41.04	ug/kg	-0.03
Spiked Amount	50.000	Range 45 - 115	Recovery	=	82.08%	
64) 2,4,6-Tribromophenol	13.97	62	99917m	52.40	ug/kg	-0.03
Spiked Amount	100.000	Range 43 - 126	Recovery	=	52.40%	
77) p-Terphenyl-d14	18.59	244	290845	36.27	ug/kg	-0.02
Spiked Amount	50.000	Range 50 - 125	Recovery	=	72.54%	

Target Compounds

						Qvalue
2) Pyridine	1.43	79	75860	47.23	ug/kg	100
3) n-Nitroso-dimethylamine	1.42	42	53831	48.22	ug/kg	92
5) Benzaldehyde	5.03	77	40357	42.94	ug/kg	95
6) Aniline	5.29	93	95779	45.56	ug/kg	93
8) Phenol	5.46	94	85392	46.05	ug/kg	90
9) bis(2-Chloroethyl)ether	5.48	93	66765	46.90	ug/kg#	58
10) 2-Chlorophenol	5.53	128	66309	49.18	ug/kg	94
11) 1,3-Dichlorobenzene	5.79	146	72229	47.65	ug/kg	99
12) 1,4-Dichlorobenzene	5.96	146	73913	48.16	ug/kg	98
13) Benzyl Alcohol	6.36	108	42618	50.74	ug/kg	98
14) 1,2-Dichlorobenzene	6.26	146	71943	46.74	ug/kg	99
15) 2-Methylphenol	6.70	108	68114	50.29	ug/kg	87
16) bis(2-Chloroisopropyl)ethe	6.62	45	204494	40.85	ug/kg	92
17) Acetophenone	6.85	105	100903	47.55	ug/kg	94
18) 3+4-Methylphenol	7.05	108	71034	48.61	ug/kg	96
19) n-Nitroso-di-n-propylamine	6.91	70	44618	42.02	ug/kg	94
20) Hexachloroethane	6.93	117	40219	49.56	ug/kg	99
23) Nitrobenzene	7.16	77	100226	46.46	ug/kg	93
24) Isophorone	7.70	82	182220	43.84	ug/kg	93
25) 2-Nitrophenol	7.84	139	43491	41.58	ug/kg	95
26) 2,4-Dimethylphenol	8.12	107	87264	46.81	ug/kg	96
27) bis(2-Chloroethoxy)methane	8.25	93	104619	42.59	ug/kg	96
28) 2,4-Dichlorophenol	8.42	162	67848	41.54	ug/kg	94
29) Benzoic Acid	8.59	105	36385m	50.50	ug/kg	
30) 1,2,4-Trichlorobenzene	8.51	180	70372	41.00	ug/kg	98
31) Naphthalene	8.62	128	204577	43.31	ug/kg	98
32) 2,6-Dichlorophenol	8.85	162	66701	41.56	ug/kg	98
33) 4-Chloroaniline	8.85	127	96053	42.45	ug/kg	99
34) Hexachlorobutadiene	8.95	225	46110	43.75	ug/kg	98
35) Caprolactam	9.71	113	28738m	45.42	ug/kg	
36) 4-Chloro-3-methylphenol	10.08	107	85383	40.51	ug/kg	79
37) 2-Methylnaphthalene	10.10	142	280188	78.18	ug/kg	89
39) Hexachlorocyclopentadiene	10.46	237	12381	17.63	ug/kg#	69
40) 2,4,6-Trichlorophenol	10.81	196	57768	40.01	ug/kg	96
41) 2,4,5-Trichlorophenol	10.93	196	56508	36.91	ug/kg	93
43) Biphenyl	11.12	154	175536	44.70	ug/kg	96

(#) = qualifier out of range (m) = manual integration

5S0455.D 1201ABNS.M Tue Jan 25 11:48:23 2011

Quantitation Report (QT Reviewed)

Data File : G:\HPChem\5\Data\01242011\5S0455.D
 Acq On : 24 Jan 2011 12:21 pm
 Sample : 050 ppb ABN ccv
 Misc :

Vial: 2
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

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MS Integration Params: rteint.p
 Quant Time: Jan 25 10:41 2011

Quant Results File: 1201ABNS.RES

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method
 Last Update : Tue Jan 25 10:40:18 2011
 Response via : Initial Calibration
 DataAcq Meth : RUN8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 2-Chloronaphthalene	11.11	162	144722	44.29	ug/kg	98
45) 2-Nitroaniline	11.45	138	77072	46.46	ug/kg	98
46) Dimethylphthalate	11.88	163	201604	41.74	ug/kg	99
47) Acenaphthylene	11.96	152	242802	44.92	ug/kg	96
48) 2,6-Dinitrotoluene	12.00	165	49204	43.64	ug/kg	95
49) 3-Nitroaniline	12.35	138	44773	44.30	ug/kg	97
50) Acenaphthene	12.34	153	166178	45.36	ug/kg	98
51) 2,4-Dinitrophenol	12.66	184	4262	29.86	ug/kg#	1
52) Dibenzofuran	12.72	168	250030	42.56	ug/kg	96
53) 4-Nitrophenol	12.98	65	54188m	51.39	ug/kg	
54) 2,4-Dinitrotoluene	12.88	165	71171	39.45	ug/kg	87
55) 2,3,4,6-Tetrachlorophenol	13.08	232	54164	35.04	ug/kg	95
56) Fluorene	13.44	166	194232	41.63	ug/kg	97
57) Diethylphthalate	13.38	149	234662	42.41	ug/kg	97
58) 4-Chlorophenyl phenyl ethe	13.50	204	99082	38.02	ug/kg	98
59) 4-Nitroaniline	13.66	138	55140m	48.67	ug/kg	
61) 4,6-Dinitro-2-methylphenol	13.76	198	20532	29.45	ug/kg	94
62) n-Nitrosodiphenylamine	13.79	169	140780	46.01	ug/kg	91
63) 1,2-Diphenylhydrazine	13.83	77	352654	56.26	ug/kg	96
65) 4-Bromophenyl-phenyl ether	14.52	248	70361	35.90	ug/kg	97
66) Hexachlorobenzene	14.62	286	26035m	40.48	ug/kg	
67) Atrazine	15.03	200	57811m	40.82	ug/kg	
68) Pentachlorophenol	15.12	266	37657	46.23	ug/kg	100
69) Phenanthrene	15.45	178	307661	44.34	ug/kg	100
70) Anthracene	15.56	178	325403	45.91	ug/kg	99
71) Carbazole	15.97	167	324599m	49.31	ug/kg	
72) Di-n-butylphthalate	16.84	149	505749	47.33	ug/kg	96
73) Fluoranthene	17.89	202	395037	42.20	ug/kg	94
75) Benzidine	18.25	184	9753m	32.02	ug/kg	
76) Pyrene	18.27	202	424999	40.96	ug/kg	92
78) Butylbenzylphthalate	19.34	149	283319	48.40	ug/kg	97
79) Benzo(a)anthracene	20.01	228	384231	41.50	ug/kg	99
80) 3,3'-Dichlorobenzidine	20.01	252	114596	40.89	ug/kg	98
81) Chrysene	20.06	228	429028	43.23	ug/kg	99
82) bis(2-Ethylhexyl)phthalate	20.10	149	415645	53.47	ug/kg	97
84) Di-n-octylphthalate	20.85	149	815115	54.06	ug/kg	100
85) Benzo(b)fluoranthene	21.39	252	592662	43.09	ug/kg	89
86) Benzo(k)fluoranthene	21.42	252	463876	41.70	ug/kg	95
87) Benzo(a)pyrene	21.87	252	532656	43.23	ug/kg	91
88) Indeno(1,2,3-cd)pyrene	24.04	276	570846	35.21	ug/kg	88
89) Dibenzo(a,h)anthracene	24.04	278	466407	35.83	ug/kg	89
90) Benzo(g,h,i)perylene	24.65	276	487478	33.41	ug/kg	99

Quantitation Report

Data File : G:\HPChem\5\Data\01242011\5S0455.D
 Acq On : 24 Jan 2011 12:21 pm
 Sample : 050 ppb ABN ccv
 Misc :
 MS Integration Params: rteint.p
 Quant Time: Jan 25 10:41 2011

Vial: 2
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

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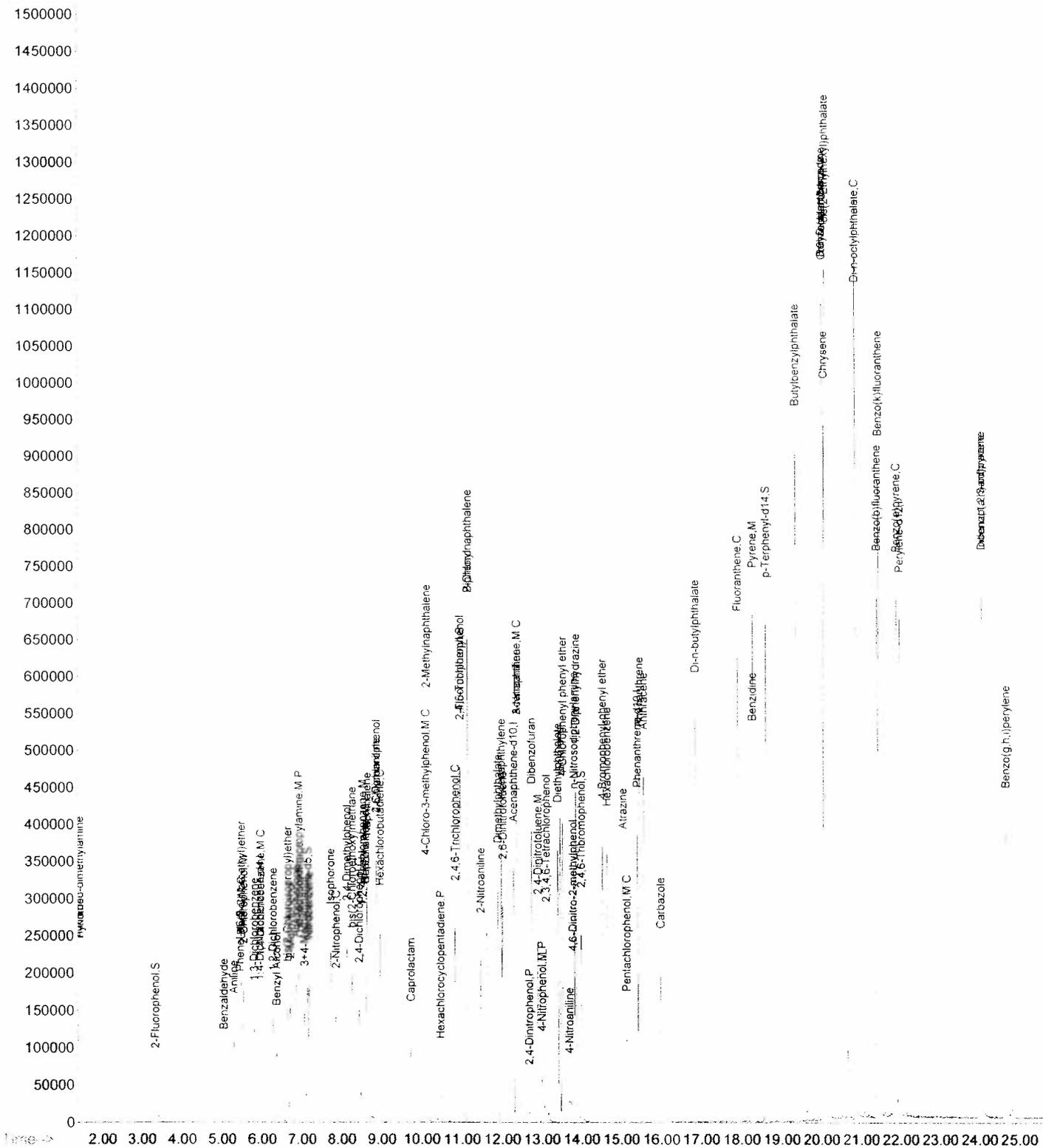
Quant Results File: 1201ABNS.RES

Method : G:\HPChem\5\Methods\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method
 Last Update : Tue Jan 25 10:44:04 2011
 Response via : Initial Calibration

Approved:
 25-Jan-2011 11:45



TIC: 5S0455.D



Aqua Pro-Tech Laboratories
Semi-Volatile Organics Continuing Calibration Check

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Client: TERMS ENVIRONMENTAL
Project: Vet Park

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	Avg RRF	CCC RRF	Min RRF	RRF %D	Conc	CCC Conc	Conc %D	Max %D	Cal Type
n-Nitroso-dimethylamine	1.16	1.13		2.76	50.0	48.6	2.77		Average RRF
Pyridine	1.68	1.77		5.65	50.0	52.8	5.66		Average RRF
2-Fluorophenol	1.06	1.02		3.75	50.0	48.1	3.73		Average RRF
Benzaldehyde	0.981	0.830		15.4	50.0	42.3	15.4		Average RRF
Aniline	2.19	2.00		8.74	50.0	45.6	8.75		Average RRF
Phenol-d6	1.81	1.87		3.49	50.0	51.7	3.50		Average RRF
Phenol*	1.93	1.82	0.0100	5.77	50.0	47.1	5.77	20.0	Average RRF
bis(2-Chloroethyl)ether	1.49	1.42		4.38	50.0	47.8	4.38		Average RRF
2-Chlorophenol	1.41	1.42		1.13	50.0	50.6	1.14		Average RRF
1,3-Dichlorobenzene	1.58	1.48		6.39	50.0	46.8	6.39		Average RRF
1,4-Dichlorobenzene*	1.60	1.52	0.0100	5.33	50.0	47.3	5.33	20.0	Average RRF
1,2-Dichlorobenzene	1.61	1.50		6.71	50.0	46.6	6.70		Average RRF
Benzyl Alcohol	0.876	0.909		3.70	50.0	51.9	3.70		Average RRF
bis(2-Chloroisopropyl)ether	5.22	4.86		6.96	50.0	46.5	6.95		Average RRF
2-Methylphenol*	1.41	1.43	0.0100	1.17	50.0	50.6	1.17		Average RRF
Acetophenone	2.21	2.19		1.13	50.0	49.4	1.13		Average RRF
n-Nitroso-di-n-propylamine **	1.11	0.932	0.0500	15.8	50.0	42.1	15.8		Average RRF
Hexachloroethane	0.847	0.873		3.09	50.0	51.5	3.08		Average RRF
3+4-Methylphenol*	1.53	1.56	0.0100	2.00	50.0	51.0	2.01		Average RRF
Nitrobenzene-d5	0.489	0.450		8.03	50.0	46.0	8.03		Average RRF
Nitrobenzene	0.489	0.456		6.82	50.0	46.6	6.82		Average RRF
Isophorone	0.942	0.857		9.11	50.0	45.4	9.10		Average RRF
2-Nitrophenol*	0.237	0.220	0.0100	7.15	50.0	46.4	7.16	20.0	Average RRF
2,4-Dimethylphenol	0.423	0.387		8.34	50.0	45.8	8.34		Average RRF
bis(2-Chloroethoxy)methane	0.557	0.509		8.66	50.0	45.7	8.68		Average RRF
2,4-Dichlorophenol*	0.370	0.322	0.0100	13.0	50.0	43.5	13.0	20.0	Average RRF
1,2,4-Trichlorobenzene	0.409	0.323		21.1	50.0	39.5	21.1		Average RRF
Benzoic Acid	0.163	0.168		2.88	50.0	51.5	2.91		Average RRF
Naphthalene	1.07	0.956		10.8	50.0	44.6	10.8		Average RRF
2,6-Dichlorophenol	0.364	0.316		13.1	50.0	43.4	13.2		Average RRF
4-Chloroaniline	0.513	0.434		15.4	50.0	42.3	15.4		Average RRF
Hexachlorobutadiene*	0.299	0.227	0.0100	24.2	50.0	47.4	5.10	20.0	Average RRF
Caprolactam	0.144	0.136		4.95	50.0	47.5	4.95		Average RRF
4-Chloro-3-methylphenol*	0.478	0.414	0.0100	13.4	50.0	43.3	13.4	20.0	Average RRF
2-Methylnaphthalene	0.813	0.857		5.47	75.0	79.1	5.48		Average RRF
Hexachlorocyclopentadiene **	0.248	0.208	0.0500	16.2	50.0	41.9	16.2		Average RRF
2,4,6-Trichlorophenol*	0.443	0.375	0.0100	15.4	50.0	42.3	15.4	20.0	Average RRF
2,4,5-Trichlorophenol*	0.470	0.371	0.0100	21.0	50.0	39.5	21.0		Average RRF
2-Fluorobiphenyl	1.25	1.06		15.4	50.0	42.3	15.4		Average RRF
2-Chloronaphthalene	1.00	0.881		12.1	50.0	43.9	12.1		Average RRF
Biphenyl	1.21	1.05		12.9	50.0	43.5	12.9		Average RRF
2-Nitroaniline	0.509	0.509		0.0589	50.0	50.0	0.0276		Average RRF
Dimethylphthalate	1.48	1.26		14.9	50.0	42.5	14.9		Average RRF
Acenaphthylene	1.66	1.50		9.33	50.0	45.3	9.32		Average RRF

Aqua Pro-Tech Laboratories
Semi-Volatile Organics Continuing Calibration Check

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Client: TERMS ENVIRONMENTAL
Project: Vet Park

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	Avg RRF	CCC RRF	Min RRF	RRF %D	Conc	CCC Conc	Conc %D	Max %D	Cal Type
2,6-Dinitrotoluene	0.346	0.336		2.80	50.0	48.6	2.82		Average RRF
3-Nitroaniline	0.310	0.228		26.5	50.0	36.8	26.4		Average RRF
Acenaphthene*	1.12	1.00	0.0100	10.8	50.0	44.6	10.8	20.0	Average RRF
2,4-Dinitrophenol **	0.182	0.159	0.0500	13.0	50.0	43.5	13.0		Average RRF
Dibenzofuran	1.80	1.53		15.0	50.0	42.5	15.0		Average RRF
2,4-Dinitrotoluene	0.554	0.480		13.4	50.0	43.3	13.4		Average RRF
4-Nitrophenol **	0.324	0.306	0.0500	5.46	50.0	47.3	5.45		Average RRF
2,3,4,6-Tetrachlorophenol	0.474	0.364		23.2	50.0	38.4	23.2		Average RRF
Diethylphthalate	1.70	1.48		12.6	50.0	43.7	12.6		Average RRF
Fluorene	1.43	1.24		13.8	50.0	43.1	13.8	20.0	Average RRF
4-Chlorophenyl phenyl ether	0.800	0.645		19.4	50.0	40.3	19.4		Average RRF
4-Nitroaniline	0.348	0.325		6.56	50.0	46.7	6.54		Average RRF
4,6-Dinitro-2-methylphenol	0.157	0.150		4.27	50.0	47.9	4.22		Average RRF
n-Nitrosodiphenylamine*	0.492	0.440	0.0100	10.6	50.0	44.7	10.6	20.0	Average RRF
1,2-Diphenylhydrazine	1.01	1.11		9.96	50.0	55.0	9.97		Average RRF
2,4,6-Tribromophenol	0.307	0.202		34.2	50.0	32.9	34.3		Average RRF
4-Bromophenyl-phenyl ether	0.315	0.238		24.6	50.0	37.7	24.6		Average RRF
Hexachlorobenzene	0.467	0.337		27.9	50.0	36.0	27.9		Average RRF
Atrazine	0.228	0.163		28.5	50.0	35.7	28.5		Average RRF
Pentachlorophenol*	0.164	0.133	0.0100	19.0	50.0	40.5	19.0	20.0	Average RRF
Phenanthrene	1.12	0.969		13.2	50.0	43.4	13.3		Average RRF
Anthracene	1.14	1.01		11.6	50.0	44.2	11.6		Average RRF
Carbazole	1.05	1.11		4.47	50.0	52.2	4.48		Average RRF
Di-n-butylphthalate	1.72	1.60		7.19	50.0	46.4	7.19		Average RRF
Fluoranthene*	1.51	1.27	0.0100	15.7	50.0	42.1	15.7	20.0	Average RRF
Benzdine	0.0650	0.0199		69.4	50.0	15.3	69.4		Average RRF
Pyrene	1.24	1.08		13.2	50.0	43.4	13.2		Average RRF
p-Terphenyl-d14	0.961	0.785		18.4	50.0	40.8	18.4		Average RRF
Butylbenzylphthalate	0.702	0.699		0.380	50.0	49.8	0.352		Average RRF
3,3'-Dichlorobenzidine	0.336	0.207		38.2	50.0	30.9	38.2		Average RRF
Benzo(a)anthracene	1.11	0.934		15.8	50.0	42.1	15.8		Average RRF
Chrysene	1.19	1.03		13.7	50.0	43.1	13.7		Average RRF
bis(2-Ethylhexyl)phthalate	0.931	0.996		6.91	50.0	53.5	6.90		Average RRF
Di-n-octylphthalate*	1.26	1.21	0.0100	3.69	50.0	48.2	3.67	20.0	Average RRF
Benzo(b)fluoranthene	1.15	1.10		4.27	50.0	47.9	4.29		Average RRF
Benzo(k)fluoranthene	0.928	0.813		12.3	50.0	43.8	12.3		Average RRF
Benzo(a)pyrene*	1.03	0.876	0.0100	14.7	50.0	42.7	14.7	20.0	Average RRF
Indeno(1,2,3-cd)pyrene	1.35	1.08		19.9	50.0	40.1	19.9		Average RRF
Dibenzo(a,h)anthracene	1.09	0.881		18.8	50.0	40.6	18.8		Average RRF
Benzo(g,h,i)perylene	1.22	1.01		16.7	50.0	41.6	16.7		Average RRF

Average Conc %D = 12.1

Data File : G:\HPChem\5\Data\01202011\5S0430.D
 Acq On : 20 Jan 2011 3:30 pm
 Sample : 050 ppb ABN ccv
 Misc :
 MS Integration Params: rteint.p
 Quant Time: Jan 21 14:59 2011

Vial: 2
 Operator: sdp
 Inst : GC/MS-5
 Multiplr: 1.00

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Quant Results File: 1201ABNS.RES

Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)
 Title : BNA by EPA 8270C method
 Last Update : Fri Jan 21 14:57:34 2011
 Response via : Initial Calibration
 DataAcq Meth : RUN8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.95	152	47423	40.00	ug/kg	0.00
21) Naphthalene-d8	8.60	136	211927	40.00	ug/kg	0.00
38) Acenaphthene-d10	12.30	164	156020	40.00	ug/kg	0.00
60) Phenanthrene-d10	15.42	188	320394	40.00	ug/kg	0.00
74) Chrysene-d12	20.05	240	398213	40.00	ug/kg	0.00
83) Perylene-d12	21.99	264	645629	40.00	ug/kg	0.00

System Monitoring Compounds

4) 2-Fluorophenol	3.34	112	60523	48.13	ug/kg	0.00
Spiked Amount	100.000	Range 46 - 77	Recovery	=	48.13%	
7) Phenol-d6	5.45	99	110939	51.75	ug/kg	0.00
Spiked Amount	100.000	Range 32 - 60	Recovery	=	51.75%	
22) Nitrobenzene-d5	7.14	82	119105	45.99	ug/kg	0.00
Spiked Amount	50.000	Range 49 - 112	Recovery	=	91.98%	
42) 2-Fluorobiphenyl	10.96	172	206009	42.29	ug/kg	0.00
Spiked Amount	50.000	Range 45 - 115	Recovery	=	84.58%	
64) 2,4,6-Tribromophenol	14.00	330	80760	32.86	ug/kg	0.00
Spiked Amount	100.000	Range 43 - 126	Recovery	=	32.86%#	
77) p-Terphenyl-d14	18.61	244	390524	40.82	ug/kg	0.00
Spiked Amount	50.000	Range 50 - 125	Recovery	=	81.64%	

Target Compounds

					Qvalue
2) Pyridine	1.43	79	104972m	52.83	ug/kg
3) n-Nitroso-dimethylamine	1.43	42	67151	48.62	ug/kg
5) Benzaldehyde	5.06	77	49169	42.29	ug/kg
6) Aniline	5.31	93	118658	45.63	ug/kg
8) Phenol	5.48	94	108087	47.11	ug/kg
9) bis(2-Chloroethyl)ether	5.51	93	84196	47.81	ug/kg#
10) 2-Chlorophenol	5.55	128	84355	50.57	ug/kg
11) 1,3-Dichlorobenzene	5.82	146	87771	46.80	ug/kg
12) 1,4-Dichlorobenzene	5.98	146	89866	47.33	ug/kg
13) Benzyl Alcohol	6.37	108	53881	51.85	ug/kg
14) 1,2-Dichlorobenzene	6.29	146	88826	46.65	ug/kg
15) 2-Methylphenol	6.72	108	84767	50.59	ug/kg
16) bis(2-Chloroisopropyl)ethe	6.65	45	288111	46.52	ug/kg
17) Acetophenone	6.86	105	129781	49.43	ug/kg
18) 3+4-Methylphenol	7.06	108	92222	51.01	ug/kg
19) n-Nitroso-di-n-propylamine	6.93	70	55275	42.08	ug/kg
20) Hexachloroethane	6.95	117	51739	51.54	ug/kg
23) Nitrobenzene	7.18	77	120747	46.59	ug/kg
24) Isophorone	7.72	82	226914	45.45	ug/kg
25) 2-Nitrophenol	7.86	139	58334	46.42	ug/kg
26) 2,4-Dimethylphenol	8.13	107	102634	45.83	ug/kg
27) bis(2-Chloroethoxy)methane	8.27	93	134731	45.66	ug/kg
28) 2,4-Dichlorophenol	8.43	162	85328	43.49	ug/kg
29) Benzoic Acid	8.63	105	44535	51.46	ug/kg
30) 1,2,4-Trichlorobenzene	8.53	180	85547	39.46	ug/kg
31) Naphthalene	8.64	128	253153	44.61	ug/kg
32) 2,6-Dichlorophenol	8.87	162	83710	43.42	ug/kg
33) 4-Chloroaniline	8.87	127	114991m	42.31	ug/kg
34) Hexachlorobutadiene	8.97	225	60076	47.45	ug/kg
35) Caprolactam	9.71	113	36124m	47.52	ug/kg
36) 4-Chloro-3-methylphenol	10.10	107	109620	43.29	ug/kg
37) 2-Methylnaphthalene	10.13	142	340598	79.11	ug/kg
39) Hexachlorocyclopentadiene	10.48	237	40600	41.91	ug/kg
40) 2,4,6-Trichlorophenol	10.83	196	73141	42.31	ug/kg
41) 2,4,5-Trichlorophenol	10.95	196	72408m	39.50	ug/kg
43) Biphenyl	11.15	154	204722	43.55	ug/kg

(#) = qualifier out of range (m) = manual integration
 5S0430.D 1201ABNS.M Mon Jan 24 12:30:02 2011

Data File : G:\HPCHEM\5\Data\01202011\5S0430.D

Vial: 2

Acq On : 20 Jan 2011 3:30 pm

Operator: sdp

Sample : 050 ppb ABN ccv

Inst : GC/MS-5

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jan 21 14:59 2011

Quant Results File: 1201ABNS.RES

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Quant Method : G:\HPCHEM\5\METHODS\1201ABNS.M (RTE Integrator)

Title : BNA by EPA 8270C method

Last Update : Fri Jan 21 14:57:34 2011

Response via : Initial Calibration

DataAcq Meth : RUN8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 2-Chloronaphthalene	11.14	162	171873	43.93	ug/kg	97
45) 2-Nitroaniline	11.47	138	99317	50.01	ug/kg	99
46) Dimethylphthalate	11.91	163	245912	42.53	ug/kg	99
47) Acenaphthylene	11.98	152	293424	45.34	ug/kg	96
48) 2,6-Dinitrotoluene	12.02	165	65593	48.59	ug/kg	94
49) 3-Nitroaniline	12.37	138	44502	36.78	ug/kg	93
50) Acenaphthene	12.37	153	195734	44.62	ug/kg	98
51) 2,4-Dinitrophenol	12.66	184	30933	43.50	ug/kg	95
52) Dibenzofuran	12.74	168	298773	42.48	ug/kg	97
53) 4-Nitrophenol	12.97	65	59678m	47.28	ug/kg	
54) 2,4-Dinitrotoluene	12.90	165	93554	43.31	ug/kg	86
55) 2,3,4,6-Tetrachlorophenol	13.10	232	71068	38.41	ug/kg	98
56) Fluorene	13.47	166	240862	43.12	ug/kg	98
57) Diethylphthalate	13.41	149	289528	43.70	ug/kg	99
58) 4-Chlorophenyl phenyl ethe	13.52	204	125738	40.30	ug/kg	96
59) 4-Nitroaniline	13.72	138	63382m	46.73	ug/kg	
61) 4,6-Dinitro-2-methylphenol	13.78	198	60116	47.89	ug/kg	93
62) n-Nitrosodiphenylamine	13.81	169	176212	44.69	ug/kg	91
63) 1,2-Diphenylhydrazine	13.86	77	444279	54.99	ug/kg	96
65) 4-Bromophenyl-phenyl ether	14.54	248	95259	37.71	ug/kg	96
66) Hexachlorobenzene	14.64	284	134860	36.04	ug/kg	99
67) Atrazine	15.05	200	65218	35.73	ug/kg	81
68) Pentachlorophenol	15.14	266	53361	40.49	ug/kg	98
69) Phenanthrene	15.47	178	387928	43.37	ug/kg	99
70) Anthracene	15.58	178	403634	44.18	ug/kg	99
71) Carbazole	16.00	167	443238m	52.24	ug/kg	
72) Di-n-butylphthalate	16.87	149	639075	46.41	ug/kg	98
73) Fluoranthene	17.92	202	508372	42.14	ug/kg	93
75) Benzidine	18.27	184	9916	15.30	ug/kg#	68
76) Pyrene	18.29	202	537489	43.42	ug/kg	92
78) Butylbenzylphthalate	19.36	149	347922	49.82	ug/kg	96
79) Benzo(a)anthracene	20.03	228	464744	42.08	ug/kg	100
80) 3,3'-Dichlorobenzidine	20.02	252	103225	30.88	ug/kg	96
81) Chrysene	20.08	228	510803	43.14	ug/kg	99
82) bis(2-Ethylhexyl)phthalate	20.11	149	495646	53.45	ug/kg	98
84) Di-n-octylphthalate	20.86	149	977344	48.17	ug/kg	100
85) Benzo(b)fluoranthene	21.41	252	885756m	47.86	ug/kg	
86) Benzo(k)fluoranthene	21.44	252	656359	43.85	ug/kg	89
87) Benzo(a)pyrene	21.90	252	707266	42.66	ug/kg	90
88) Indeno(1,2,3-cd)pyrene	24.09	276	873736	40.05	ug/kg	84
89) Dibenzo(a,h)anthracene	24.09	278	711006	40.59	ug/kg	86
90) Benzo(g,h,i)perylene	24.69	276	817545	41.63	ug/kg	98

(#) = qualifier out of range (m) = manual integration

5S0430.D 1201ABNS.M Mon Jan 24 12:30:02 2011

Aqua Pro-Tech Laboratories
Semi-Volatile Organics Continuing Calibration Check

Client: TERMS ENVIRONMENTAL
Project: Vet Park

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	Avg RRF	CCC RRF	Min RRF	RRF %D	Conc	CCC Conc	Conc %D	Max %D	Cal Type
n-Nitroso-dimethylamine	1.16	1.05		10.0	50.0	45.0	10.0		Average RRF
Pyridine	1.68	1.62		3.63	50.0	48.2	3.62		Average RRF
2-Fluorophenol	1.06	1.10		3.88	50.0	52.0	3.90		Average RRF
Benzaldehyde	0.981	0.889		9.37	50.0	45.3	9.37		Average RRF
Aniline	2.19	2.09		4.61	50.0	47.7	4.61		Average RRF
Phenol-d6	1.81	2.00		10.6	50.0	55.3	10.7		Average RRF
Phenol*	1.93	1.94	0.0100	0.372	50.0	50.2	0.364	20.0	Average RRF
bis(2-Chloroethyl)ether	1.49	1.40		5.67	50.0	47.2	5.68		Average RRF
2-Chlorophenol	1.41	1.41		0.140	50.0	49.9	0.128		Average RRF
1,3-Dichlorobenzene	1.58	1.52		3.63	50.0	48.2	3.64		Average RRF
1,4-Dichlorobenzene*	1.60	1.59	0.0100	0.758	50.0	49.6	0.763	20.0	Average RRF
1,2-Dichlorobenzene	1.61	1.53		4.73	50.0	47.6	4.73		Average RRF
Benzyl Alcohol	0.876	1.00		14.1	50.0	57.1	14.2		Average RRF
bis(2-Chloroisopropyl)ether	5.22	4.66		10.8	50.0	44.6	10.8		Average RRF
2-Methylphenol*	1.41	1.47	0.0100	4.32	50.0	52.2	4.32		Average RRF
Acetophenone	2.21	2.24		1.20	50.0	50.6	1.19		Average RRF
n-Nitroso-di-n-propylamine **	1.11	1.01	0.0500	9.05	50.0	45.5	9.07		Average RRF
Hexachloroethane	0.847	0.871		2.86	50.0	51.4	2.85		Average RRF
3+4-Methylphenol*	1.53	1.58	0.0100	3.45	50.0	51.7	3.46		Average RRF
Nitrobenzene-d5	0.489	0.449		6.15	50.0	45.9	6.15		Average RRF
Nitrobenzene	0.489	0.441		9.95	50.0	45.0	9.96		Average RRF
Isophorone	0.942	0.830		12.0	50.0	44.0	12.0		Average RRF
2-Nitrophenol*	0.237	0.218	0.0100	8.12	50.0	45.9	8.12	20.0	Average RRF
2,4-Dimethylphenol	0.423	0.394		6.85	50.0	46.6	6.84		Average RRF
bis(2-Chloroethoxy)methane	0.557	0.487		12.5	50.0	43.8	12.5		Average RRF
2,4-Dichlorophenol*	0.370	0.306	0.0100	17.3	50.0	41.3	17.4	20.0	Average RRF
1,2,4-Trichlorobenzene	0.409	0.307		24.9	50.0	37.5	24.9		Average RRF
Benzoic Acid	0.163	0.164		0.245	50.0	50.1	0.254		Average RRF
Naphthalene	1.07	0.938		12.4	50.0	43.8	12.4		Average RRF
2,6-Dichlorophenol	0.364	0.313		13.9	50.0	43.1	13.9		Average RRF
4-Chloroaniline	0.513	0.468		8.87	50.0	45.6	8.88		Average RRF
Hexachlorobutadiene*	0.299	0.208	0.0100	30.5	50.0	43.5	13.0	20.0	Average RRF
Caprolactam	0.144	0.125		12.8	50.0	43.6	12.8		Average RRF
4-Chloro-3-methylphenol*	0.478	0.399	0.0100	16.6	50.0	41.7	16.6	20.0	Average RRF
2-Methylnaphthalene	0.813	0.857		5.47	75.0	79.1	5.48		Average RRF
Hexachlorocyclopentadiene **	0.248	0.107	0.0500	57.0	50.0	21.5	57.0		Average RRF
2,4,6-Trichlorophenol*	0.443	0.359	0.0100	18.9	50.0	40.6	18.9	20.0	Average RRF
2,4,5-Trichlorophenol*	0.470	0.360	0.0100	23.5	50.0	38.3	23.5		Average RRF
2-Fluorobiphenyl	1.25	0.989		20.8	50.0	39.6	20.8		Average RRF
2-Chloronaphthalene	1.00	0.866		13.7	50.0	43.2	13.7		Average RRF
Biphenyl	1.21	1.04		13.4	50.0	43.3	13.4		Average RRF
2-Nitroaniline	0.509	0.468		8.13	50.0	45.9	8.16		Average RRF
Dimethylphthalate	1.48	1.20		19.1	50.0	40.5	19.1		Average RRF
Acenaphthylene	1.66	1.49		10.5	50.0	44.8	10.5		Average RRF

Aqua Pro-Tech Laboratories
Semi-Volatile Organics Continuing Calibration Check

Client: TERMS ENVIRONMENTAL
Project: Vet Park

* Compounds with required maximum %RSD values. (CC Compounds)

** Compounds with required minimum RRF values. (SPC Compounds)

Compound	Avg RRF	CCC RRF	Min RRF	RRF %D	Conc	CCC Conc	Conc %D	Max %D	Cal Type
2,6-Dinitrotoluene	0.346	0.302		12.6	50.0	43.7	12.6		Average RRF
3-Nitroaniline	0.310	0.274		11.7	50.0	44.1	11.7		Average RRF
Acenaphthene*	1.12	0.968	0.0100	13.9	50.0	43.0	13.9	20.0	Average RRF
2,4-Dinitrophenol **	0.182	0.0696	0.0500	61.8	50.0	19.1	61.8		Average RRF
Dibenzofuran	1.80	1.45		19.5	50.0	40.2	19.5		Average RRF
2,4-Dinitrotoluene	0.554	0.451		18.5	50.0	40.8	18.5		Average RRF
4-Nitrophenol **	0.324	0.317	0.0500	2.00	50.0	49.0	1.98		Average RRF
2,3,4,6-Tetrachlorophenol	0.474	0.363		23.4	50.0	38.3	23.4		Average RRF
Diethylphthalate	1.70	1.43		15.6	50.0	42.2	15.6		Average RRF
Fluorene	1.43	1.18		17.6	50.0	41.2	17.6	20.0	Average RRF
4-Chlorophenyl phenyl ether	0.800	0.612		23.4	50.0	38.3	23.4		Average RRF
4-Nitroaniline	0.348	0.353		1.43	50.0	50.7	1.46		Average RRF
4,6-Dinitro-2-methylphenol	0.157	0.108		30.9	50.0	34.6	30.9		Average RRF
n-Nitrosodiphenylamine*	0.492	0.447	0.0100	9.18	50.0	45.4	9.21	20.0	Average RRF
1,2-Diphenylhydrazine	1.01	1.11		10.2	50.0	55.1	10.2		Average RRF
2,4,6-Tribromophenol	0.307	0.319		3.92	50.0	51.9	3.87		Average RRF
4-Bromophenyl-phenyl ether	0.315	0.232		26.3	50.0	36.9	26.3		Average RRF
Hexachlorobenzene	0.467	0.313		33.0	50.0	33.5	33.0		Average RRF
Atrazine	0.228	0.162		28.8	50.0	35.6	28.8		Average RRF
Pentachlorophenol*	0.164	0.158	0.0100	4.14	50.0	47.9	4.22	20.0	Average RRF
Phenanthrene	1.12	1.00		10.1	50.0	44.9	10.2		Average RRF
Anthracene	1.14	1.04		8.47	50.0	45.8	8.47		Average RRF
Carbazole	1.06	1.12		5.42	50.0	52.7	5.42		Average RRF
Di-n-butylphthalate	1.72	1.62		5.63	50.0	47.2	5.63		Average RRF
Fluoranthene*	1.51	1.25	0.0100	16.9	50.0	41.6	16.9	20.0	Average RRF
Benzidine	0.0650	0.0378		41.8	50.0	29.1	41.9		Average RRF
Pyrene	1.24	1.04		16.3	50.0	41.9	16.3		Average RRF
p-Terphenyl-d14	0.961	0.736		23.4	50.0	38.3	23.4		Average RRF
Butylbenzylphthalate	0.702	0.677		3.47	50.0	48.3	3.44		Average RRF
3,3'-Dichlorobenzidine	0.336	0.247		26.5	50.0	36.7	26.5		Average RRF
Benzo(a)anthracene	1.11	0.953		14.1	50.0	42.9	14.1		Average RRF
Chrysene	1.19	1.02		14.5	50.0	42.7	14.5		Average RRF
bis(2-Ethylhexyl)phthalate	0.931	1.02		9.24	50.0	54.6	9.23		Average RRF
Di-n-octylphthalate*	1.26	1.25	0.0100	0.734	50.0	49.6	0.721	20.0	Average RRF
Benzo(b)fluoranthene	1.15	0.918		19.9	50.0	40.0	19.9		Average RRF
Benzo(k)fluoranthene	0.928	0.834		10.1	50.0	45.0	10.0		Average RRF
Benzo(a)pyrene*	1.03	0.890	0.0100	13.3	50.0	43.3	13.3	20.0	Average RRF
Indeno(1,2,3-cd)pyrene	1.35	1.08		19.9	50.0	40.0	19.9		Average RRF
Dibenzo(a,h)anthracene	1.09	0.872		19.7	50.0	40.2	19.7		Average RRF
Benzo(g,h,i)perylene	1.22	1.00		17.8	50.0	41.1	17.8		Average RRF

Average Conc %D = 13.5

Aqua Pro-Tech Laboratories
Semi-Volatile Internal Standard Area and RT Summary

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Lab File ID (Standard): 5S0430.D

Date Acquired: 20-Jan-11
Time Acquired: 15:30

IS1= 1,4-Dichlorobenzene-d4
IS2= Naphthalene-d8
IS3= Acenaphthene-d10

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

* Denotes values outside of method required QC limits

	IS1 Area	RT	IS2 Area	RT	IS3 Area	RT
12 Hour Std.	47423	5.95	211927	8.6	156020	12.3
Upper Limit	94846	6.45	423854	9.1	312040	12.8
Lower Limit	23712	5.45	105964	8.1	78010	11.8
Client Sample						
Blank - 2122	46534	5.96	216389	8.61	148841	12.31

Aqua Pro-Tech Laboratories
Semi-Volatile Internal Standard Area and RT Summary

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Lab File ID (Standard): 5S0430.D

Date Acquired: 20-Jan-11
Time Acquired: 15:30

IS4= Phenanthrene-d10
IS5= Chrysene-d12
IS6= Perylene-d12

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

* Denotes values outside of method required QC limits

	IS4 Area	RT	IS5 Area	RT	IS6 Area	RT
12 Hour Std.	320394	15.42	398213	20.05	645629	21.99
Upper Limit	640788	15.92	796426	20.55	1291258	22.49
Lower Limit	160197	14.92	199106	19.55	322814	21.49
Client Sample						
Blank - 2122	325115	15.43	554303	20.05	698112	22.01

Aqua Pro-Tech Laboratories
Semi-Volatile Internal Standard Area and RT Summary

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Lab File ID (Standard): 5S0455.D

Date Acquired: 24-Jan-11
Time Acquired: 12:21

IS1= 1,4-Dichlorobenzene-d4
IS2= Naphthalene-d8
IS3= Acenaphthene-d10

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

* Denotes values outside of method required QC limits

	IS1 Area	RT	IS2 Area	RT	IS3 Area	RT
12 Hour Std.	38332	5.92	176409	8.57	130322	12.27
Upper Limit	76664	6.42	352818	9.07	260644	12.77
Lower Limit	19166	5.42	88204	8.07	65161	11.77
Client Sample						
Comp A	49892	5.91	216066	8.56	157250	12.26
Comp B	50774	5.92	228275	8.57	165968	12.27

Aqua Pro-Tech Laboratories
Semi-Volatile Internal Standard Area and RT Summary

Client: TERMS ENVIRONMENTAL
Project: Vet Park
Lab File ID (Standard): 5S0455.D

Date Acquired: 24-Jan-11
Time Acquired: 12:21

IS4= Phenanthrene-d10
IS5= Chrysene-d12
IS6= Perylene-d12

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

* Denotes values outside of method required QC limits

	IS4 Area	RT	IS5 Area	RT	IS6 Area	RT
12 Hour Std.	248583	15.39	333809	20.03	479777	21.96
Upper Limit	497166	15.89	667618	20.53	959554	22.46
Lower Limit	124292	14.89	166904	19.53	239888	21.46
Client Sample						
Comp A	314033	15.39	455652	20.02	614494	21.97
Comp B	348586	15.39	428555	20.04	654654	21.98