

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062202.D
 Acq On : 18 Apr 2019 13:49
 Operator : FY/SY
 Sample : k2423-19
 Misc : 4.11g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP5-B

Quant Time: Apr 19 01:15:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	4798	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	5877	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	1964	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	64	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	1431	32.53	ug/l	0.02
Spiked Amount	50.000		Recovery	=	65.06%	
35) Dibromofluoromethane	4.30	113	1872	36.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.82%	
50) Toluene-d8	7.71	98	3969	30.50	ug/l	0.01
Spiked Amount	50.000		Recovery	=	61.00%	
62) 4-Bromofluorobenzene	11.52	95	1136	22.69	ug/l	0.04
Spiked Amount	50.000		Recovery	=	45.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	192	2.633	ug/l #	42
3) Chloromethane	1.14	50	414	5.493	ug/l #	70
4) Vinyl Chloride	1.21	62	80	1.236	ug/l #	42
5) Bromomethane	1.41	94	238	6.327	ug/l #	4
6) Chloroethane	1.45	64	69	2.549	ug/l #	77
8) Diethyl Ether	1.53	74	261	15.245	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.87	101	60	1.068	ug/l #	1
11) Tert butyl alcohol	2.66	59	201	65.726	ug/l #	1
12) 1,1-Dichloroethene	1.88	96	603	11.282	ug/l #	1
13) Acrolein	2.11	56	830	569.077	ug/l #	46
14) Allyl chloride	2.17	41	1116	18.194	ug/l #	24
15) Acrylonitrile	3.09	53	1020	109.508	ug/l #	22
16) Acetone	2.33	43	775	73.697	ug/l #	55
18) Methyl Acetate	2.46	43	1533	70.008	ug/l #	59
19) Methyl tert-butyl Ether	2.55	73	234	2.480	ug/l #	84
20) Methylene Chloride	2.35	84	112	Below Cal	#	1
21) trans-1,2-Dichloroethene	2.42	96	316	5.979	ug/l #	13
22) Diisopropyl ether	2.94	45	167	1.064	ug/l #	1
23) Vinyl Acetate	3.33	43	1308	17.497	ug/l #	79
24) 1,1-Dichloroethane	3.03	63	95	1.107	ug/l #	88
25) 2-Butanone	4.50	43	1592	75.712	ug/l #	56
26) 2,2-Dichloropropane	3.85	77	295	6.808	ug/l	97
27) cis-1,2-Dichloroethene	3.84	96	237	3.463	ug/l	26
28) Bromochloromethane	4.09	49	64	1.557	ug/l #	83
29) Tetrahydrofuran	4.26	42	154	16.180	ug/l #	39
30) Chloroform	4.17	83	658	6.238	ug/l	90
31) Cyclohexane	3.89	56	138	1.342	ug/l #	17
32) 1,1,1-Trichloroethane	4.29	97	231	2.992	ug/l #	56
36) 1,1-Dichloropropene	4.51	75	101	1.433	ug/l #	1
37) Ethyl Acetate	4.32	43	996	29.955	ug/l #	86
38) Carbon Tetrachloride	4.16	117	127	2.036	ug/l #	13
39) Methylcyclohexane	5.66	83	284	3.366	ug/l #	28
40) Benzene	4.83	78	416	2.251	ug/l #	3
41) Methacrylonitrile	4.92	41	252	13.139	ug/l #	23

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.25	62	70	1.433	ug/l #	74
43) Isopropyl Acetate	7.11	43	1322	37.803	ug/l #	58
44) Trichloroethene	5.84	130	87	1.742	ug/l	35
45) 1,2-Dichloropropane	6.42	63	209	5.134	ug/l #	42
46) Dibromomethane	6.24	93	199	7.347	ug/l #	6
47) Bromodichloromethane	6.54	83	241	3.943	ug/l #	95
48) Methyl methacrylate	6.85	41	1612	70.142	ug/l #	30
49) 1,4-Dioxane	6.91	88	59	223.851	ug/l #	1
51) 4-Methyl-2-Pentanone	8.37	43	589	22.645	ug/l #	72
52) Toluene	7.78	92	222	2.279	ug/l #	1
53) t-1,3-Dichloropropene	8.44	75	111	2.418	ug/l #	30
54) cis-1,3-Dichloropropene	7.41	75	66	1.063	ug/l #	29
55) 1,1,2-Trichloroethane	8.64	97	174	6.376	ug/l #	46
56) Ethyl methacrylate	8.75	69	764	24.622	ug/l #	1
57) 1,3-Dichloropropane	9.01	76	96	2.178	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.52	63	120	13.320	ug/l #	48
59) 2-Hexanone	9.77	43	619	38.279	ug/l	75
60) Dibromochloromethane	9.09	129	59	1.454	ug/l	61
61) 1,2-Dibromoethane	9.20	107	72	2.342	ug/l #	9
64) Tetrachloroethene	8.44	164	71	4.005	ug/l #	1
65) Chlorobenzene	9.93	112	61	1.457	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	9.94	131	60	3.059	ug/l #	1
67) Ethyl Benzene	10.03	91	337	4.425	ug/l #	64
68) m/p-Xylenes	10.26	106	165	5.886	ug/l #	1
69) o-Xylene	10.66	106	75	2.410	ug/l	70
70) Styrene	10.89	104	71	1.616	ug/l #	34
71) Bromoform	10.61	173	65	6.277	ug/l #	28
73) Isopropylbenzene	11.23	105	609	110.775	ug/l #	70
74) N-amyl acetate	11.49	43	1073	858.109	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	11.73	83	733	775.281	ug/l	63
76) 1,2,3-Trichloropropane	11.86	75	75	115.299	ug/l #	64
77) Bromobenzene	11.58	156	64	54.343	ug/l #	1
78) n-propylbenzene	11.68	91	509	87.766	ug/l #	53
79) 2-Chlorotoluene	11.82	91	373	106.027	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.91	105	441	96.312	ug/l #	26
81) trans-1,4-Dichloro-2-buten	11.86	75	75	226.078	ug/l #	19
82) 4-Chlorotoluene	11.96	91	329	96.768	ug/l #	41
83) tert-Butylbenzene	12.21	119	424	89.544	ug/l #	65
84) 1,2,4-Trimethylbenzene	12.19	105	247	55.744	ug/l	67
85) sec-Butylbenzene	12.31	105	269	43.758	ug/l	87
86) p-Isopropyltoluene	12.51	119	215	41.229	ug/l #	73
87) 1,3-Dichlorobenzene	12.54	146	74	33.860	ug/l #	2
88) 1,4-Dichlorobenzene	12.57	146	69	32.733	ug/l #	23
89) n-Butylbenzene	12.90	91	486	120.658	ug/l #	28
90) Hexachloroethane	12.97	117	506	377.869	ug/l #	12
91) 1,2-Dichlorobenzene	12.86	146	76	36.015	ug/l #	19
92) 1,2-Dibromo-3-Chloropropan	13.66	75	334	1798.036	ug/l #	1
95) Naphthalene	14.50	128	252	81.627	ug/l #	62

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(#) = qualifier out of range (m) = manual integration (+) = signals summed						

