

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062371.D
 Acq On : 8 May 2019 11:02
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 08 16:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	314445	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	433068	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	359977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	208328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	152973	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	4.30	113	179817	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
50) Toluene-d8	7.70	98	414633	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.48	95	182749	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	154883	42.560	ug/l	100
3) Chloromethane	1.16	50	103924	43.299	ug/l	88
4) Vinyl Chloride	1.19	62	104034	43.456	ug/l	95
5) Bromomethane	1.41	94	87083	48.113	ug/l	97
6) Chloroethane	1.45	64	57715	47.951	ug/l	99
7) Trichlorofluoromethane	1.57	101	235022	47.315	ug/l	96
8) Diethyl Ether	1.70	74	33881	45.079	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	143494	50.600	ug/l	96
10) Methyl Iodide	1.99	142	222676m	47.649	ug/l	
11) Tert butyl alcohol	2.70	59	37945	225.932	ug/l	99
12) 1,1-Dichloroethene	1.87	96	109821	45.553	ug/l	89
13) Acrolein	2.09	56	25152	241.571	ug/l	96
14) Allyl chloride	2.20	41	111175	52.204	ug/l	97
15) Acrylonitrile	3.07	53	84455	265.466	ug/l	97
16) Acetone	2.34	43	189712	315.587	ug/l	99
17) Carbon Disulfide	1.92	76	237784	45.235	ug/l #	93
18) Methyl Acetate	2.45	43	55602	50.767	ug/l #	91
19) Methyl tert-butyl Ether	2.54	73	237700	47.764	ug/l	97
20) Methylene Chloride	2.33	84	100680m	46.291	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	104804	45.628	ug/l	94
22) Diisopropyl ether	2.93	45	326017	48.982	ug/l	98
23) Vinyl Acetate	3.33	43	768646	259.111	ug/l	99
24) 1,1-Dichloroethane	3.00	63	205835	51.168	ug/l	98
25) 2-Butanone	4.51	43	213236	282.346	ug/l	99
26) 2,2-Dichloropropane	3.76	77	113870	50.689	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	137848	48.011	ug/l	96
28) Bromochloromethane	3.89	49	100583	55.133	ug/l	99
29) Tetrahydrofuran	4.26	42	81199	233.936	ug/l	98
30) Chloroform	4.04	83	266042	48.953	ug/l	99
31) Cyclohexane	3.85	56	154160m	48.012	ug/l	
32) 1,1,1-Trichloroethane	4.28	97	230821m	49.555	ug/l	
36) 1,1-Dichloropropene	4.46	75	176560	47.460	ug/l	99
37) Ethyl Acetate	4.29	43	74909	51.910	ug/l #	99
38) Carbon Tetrachloride	4.17	117	192346	49.838	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	182338	48.871	ug/l	96
40) Benzene	4.81	78	396784	48.435	ug/l	99
41) Methacrylonitrile	4.92	41	42291	47.410	ug/l	94
42) 1,2-Dichloroethane	5.11	62	170996	49.908	ug/l	100
43) Isopropyl Acetate	7.10	43	80591	47.627	ug/l #	96
44) Trichloroethene	5.67	130	144768	48.106	ug/l	100
45) 1,2-Dichloropropane	6.40	63	93536	50.409	ug/l	98
46) Dibromomethane	6.25	93	75492	49.069	ug/l	99
47) Bromodichloromethane	6.53	83	192691	50.096	ug/l	95
48) Methyl methacrylate	6.86	41	57916	48.432	ug/l	95
49) 1,4-Dioxane	6.86	88	10416	844.891	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	311431	242.887	ug/l	99
52) Toluene	7.77	92	252267	49.916	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	135670	46.635	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	173982	51.386	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	78534	48.951	ug/l	94
56) Ethyl methacrylate	8.74	69	76678	45.277	ug/l	97
57) 1,3-Dichloropropane	8.98	76	118780	49.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.43	63	112857	221.657	ug/l	95
59) 2-Hexanone	9.61	43	224946	253.667	ug/l	98
60) Dibromochloromethane	8.84	129	131925	50.278	ug/l	99
61) 1,2-Dibromoethane	9.12	107	92590	49.104	ug/l	100
64) Tetrachloroethene	8.29	164	135868	46.492	ug/l	98
65) Chlorobenzene	9.91	112	302648	50.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	150416	50.061	ug/l	96
67) Ethyl Benzene	10.01	91	505183	48.438	ug/l	99
68) m/p-Xylenes	10.24	106	372215	96.726	ug/l	100
69) o-Xylene	10.80	106	207173	49.823	ug/l	91
70) Styrene	10.88	104	297399	47.722	ug/l	97
71) Bromoform	10.86	173	82357	50.031	ug/l	97
73) Isopropylbenzene	11.21	105	636280	51.519	ug/l	100
74) N-amyl acetate	11.43	43	129310	48.769	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	103833	53.694	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	76354	51.753	ug/l #	100
77) Bromobenzene	11.57	156	167850	51.784	ug/l	98
78) n-propylbenzene	11.66	91	667653	50.776	ug/l	99
79) 2-Chlorotoluene	11.79	91	416011	50.880	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	549348	50.748	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	28739m	51.822	ug/l	
82) 4-Chlorotoluene	11.96	91	415089	51.401	ug/l	100
83) tert-Butylbenzene	12.18	119	603983	53.090	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	523575	49.424	ug/l	98
85) sec-Butylbenzene	12.36	105	712826	51.477	ug/l	100
86) p-Isopropyltoluene	12.51	119	635225	49.374	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	281427	47.540	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	277922	48.642	ug/l	98
89) n-Butylbenzene	12.88	91	584863	51.097	ug/l	99
90) Hexachloroethane	12.96	117	171990	53.540	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	289065	50.449	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	22751	52.515	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	273557	53.227	ug/l	100
94) Hexachlorobutadiene	14.22	225	209317	54.644	ug/l	98
95) Naphthalene	14.48	128	417756	54.067	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	266215	53.467	ug/l	98

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

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