

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062739.D
 Acq On : 24 May 2019 10:45
 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 24 23:11:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	768771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1251540	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	950653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	449319	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	231635	42.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.28%	
35) Dibromofluoromethane	4.32	113	439489	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
50) Toluene-d8	7.72	98	1054328	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
62) 4-Bromofluorobenzene	11.49	95	376403	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	469503	44.878	ug/l	96
3) Chloromethane	1.14	50	421289	43.734	ug/l	93
4) Vinyl Chloride	1.19	62	397037	44.776	ug/l	96
5) Bromomethane	1.40	94	251060	51.755	ug/l	91
6) Chloroethane	1.46	64	166247	51.049	ug/l	90
7) Trichlorofluoromethane	1.55	101	591405	49.673	ug/l	94
8) Diethyl Ether	1.72	74	123701	52.445	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.92	101	377832	49.838	ug/l	99
10) Methyl Iodide	2.00	142	756510m	50.798	ug/l	
11) Tert butyl alcohol	2.70	59	91806	255.970	ug/l	97
12) 1,1-Dichloroethene	1.88	96	334260	48.401	ug/l	94
13) Acrolein	2.10	56	87015	232.419	ug/l	98
14) Allyl chloride	2.20	41	267318	42.768	ug/l	92
15) Acrylonitrile	3.10	53	367682	363.425	ug/l #	91
16) Acetone	2.35	43	381885	270.962	ug/l #	89
17) Carbon Disulfide	1.92	76	957601	46.782	ug/l	97
18) Methyl Acetate	2.47	43	109970	49.654	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	644443	52.200	ug/l	99
20) Methylene Chloride	2.36	84	344223m	48.727	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	364145	53.946	ug/l	94
22) Diisopropyl ether	2.94	45	810875	52.600	ug/l	99
23) Vinyl Acetate	3.35	43	2582239	248.313	ug/l	100
24) 1,1-Dichloroethane	3.02	63	544887	48.181	ug/l	99
25) 2-Butanone	4.53	43	763341	253.508	ug/l	98
26) 2,2-Dichloropropane	3.79	77	324681	50.178	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	595114	53.598	ug/l	97
28) Bromochloromethane	3.90	49	291339	45.933	ug/l	95
29) Tetrahydrofuran	4.27	42	296579	243.398	ug/l	94
30) Chloroform	4.06	83	831413	52.951	ug/l	99
31) Cyclohexane	3.88	56	764568m	50.351	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	548537	52.604	ug/l	96
36) 1,1-Dichloropropene	4.49	75	644959	50.291	ug/l	98
37) Ethyl Acetate	4.31	43	256219	48.932	ug/l	89
38) Carbon Tetrachloride	4.19	117	438794	45.495	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	854552	55.379	ug/l	94
40) Benzene	4.83	78	1903783	54.492	ug/l	99
41) Methacrylonitrile	4.94	41	138594	50.486	ug/l	94
42) 1,2-Dichloroethane	5.14	62	372363	53.446	ug/l	90
43) Isopropyl Acetate	7.12	43	333932	49.225	ug/l #	97
44) Trichloroethene	5.69	130	541648	55.162	ug/l	92
45) 1,2-Dichloropropane	6.42	63	491563	55.737	ug/l	98
46) Dibromomethane	6.27	93	289151	56.730	ug/l	98
47) Bromodichloromethane	6.57	83	579817	54.796	ug/l	97
48) Methyl methacrylate	6.88	41	177710	50.119	ug/l	96
49) 1,4-Dioxane	6.88	88	48280	1063.117	ug/l	88
51) 4-Methyl-2-Pentanone	8.41	43	1160105	250.187	ug/l	98
52) Toluene	7.79	92	1053735	57.510	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	483833	55.890	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	672977	55.535	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	305808	56.369	ug/l	98
56) Ethyl methacrylate	8.76	69	330970	51.207	ug/l	98
57) 1,3-Dichloropropane	9.00	76	517437	55.996	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	546371	259.705	ug/l	97
59) 2-Hexanone	9.62	43	849651	284.064	ug/l	97
60) Dibromochloromethane	8.86	129	397900	56.275	ug/l	99
61) 1,2-Dibromoethane	9.14	107	325359	56.464	ug/l	99
64) Tetrachloroethene	8.31	164	410265	54.474	ug/l	100
65) Chlorobenzene	9.94	112	1037181	55.548	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	414885	55.350	ug/l	98
67) Ethyl Benzene	10.04	91	1800582	55.510	ug/l	100
68) m/p-Xylenes	10.26	106	1376076	112.874	ug/l	99
69) o-Xylene	10.82	106	718752	57.239	ug/l	91
70) Styrene	10.89	104	1033878	54.170	ug/l	98
71) Bromoform	10.88	173	216721	57.729	ug/l #	96
73) Isopropylbenzene	11.22	105	1879767	58.372	ug/l	100
74) N-amyl acetate	11.45	43	494624	61.620	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	352405	53.547	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	228888	52.931	ug/l	85
77) Bromobenzene	11.58	156	446862	55.825	ug/l	96
78) n-propylbenzene	11.67	91	2127401	55.820	ug/l	97
79) 2-Chlorotoluene	11.80	91	1183774	55.115	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1449710	56.142	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	103573m	53.883	ug/l	
82) 4-Chlorotoluene	11.98	91	1191989	56.277	ug/l	100
83) tert-Butylbenzene	12.19	119	1471812	56.181	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	1404436	56.194	ug/l	98
85) sec-Butylbenzene	12.37	105	1944607	55.310	ug/l	99
86) p-Isopropyltoluene	12.52	119	1644551	55.504	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	793724	54.807	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	747792	55.023	ug/l	98
89) n-Butylbenzene	12.89	91	1610341	55.123	ug/l	97
90) Hexachloroethane	12.97	117	425141	59.814	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	703739	54.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	43968	56.002	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	506686	54.833	ug/l	98
94) Hexachlorobutadiene	14.22	225	362901	56.275	ug/l	97
95) Naphthalene	14.49	128	891536	53.108	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	468851	53.566	ug/l	99

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

