

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062198.D
 Acq On : 18 Apr 2019 11:04
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 11:10:55 AM

Quant Time: Apr 19 01:52:30 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	495131	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	764779	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	586570	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	306259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	242782	53.48	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	4.30	113	323481	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	7.70	98	853701	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.49	95	343653	52.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	360165	47.866	ug/l	98
3) Chloromethane	1.14	50	388140	49.907	ug/l	99
4) Vinyl Chloride	1.18	62	341801	51.154	ug/l	98
5) Bromomethane	1.38	94	202648	52.208	ug/l	94
6) Chloroethane	1.43	64	149283	53.444	ug/l	98
7) Trichlorofluoromethane	1.55	101	430887	50.761	ug/l	91
8) Diethyl Ether	1.71	74	87128	49.317	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	289079	49.850	ug/l	99
10) Methyl Iodide	1.97	142	521301	50.603	ug/l	92
11) Tert butyl alcohol	2.69	59	70567	223.605	ug/l	95
12) 1,1-Dichloroethene	1.86	96	271841	49.286	ug/l	99
13) Acrolein	2.09	56	43267	313.138	ug/l	98
14) Allyl chloride	2.19	41	351614	55.549	ug/l #	90
15) Acrylonitrile	3.09	53	217039	225.799	ug/l	99
16) Acetone	2.35	43	316908	292.027	ug/l	97
17) Carbon Disulfide	1.91	76	805350	52.547	ug/l	99
18) Methyl Acetate	2.46	43	122566	52.751	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	483721	49.672	ug/l	97
20) Methylene Chloride	2.33	84	258714m	48.332	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	270425	49.579	ug/l	98
22) Diisopropyl ether	2.93	45	796386	49.185	ug/l	99
23) Vinyl Acetate	3.34	43	1866390	241.934	ug/l	99
24) 1,1-Dichloroethane	3.01	63	454200	51.279	ug/l	97
25) 2-Butanone	4.52	43	555889	256.181	ug/l	100
26) 2,2-Dichloropropane	3.77	77	218214	48.797	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	342798	48.532	ug/l	97
28) Bromochloromethane	3.89	49	206052	48.563	ug/l #	96
29) Tetrahydrofuran	4.26	42	227685	231.817	ug/l	97
30) Chloroform	4.04	83	531350	48.813	ug/l	100
31) Cyclohexane	3.88	56	508907	47.944	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	400144	50.219	ug/l #	90
36) 1,1-Dichloropropene	4.47	75	413609	45.108	ug/l	99
37) Ethyl Acetate	4.30	43	187494	43.333	ug/l #	100
38) Carbon Tetrachloride	4.18	117	398423m	49.091	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	545337	49.673	ug/l	97
40) Benzene	4.81	78	1106944	46.026	ug/l	99
41) Methacrylonitrile	4.93	41	109686	43.948	ug/l	96
42) 1,2-Dichloroethane	5.13	62	295738	46.513	ug/l	99
43) Isopropyl Acetate	7.11	43	216477	47.570	ug/l	100
44) Trichloroethene	5.68	130	315860	48.602	ug/l	98
45) 1,2-Dichloropropane	6.40	63	257069	48.524	ug/l	98
46) Dibromomethane	6.25	93	164186	46.582	ug/l	96
47) Bromodichloromethane	6.55	83	378825	47.627	ug/l	96
48) Methyl methacrylate	6.87	41	142374	47.606	ug/l	97
49) 1,4-Dioxane	6.86	88	31363	914.416	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	791166	233.743	ug/l	98
52) Toluene	7.77	92	603715	47.620	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	290532	48.632	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	391505	48.448	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	168444	47.429	ug/l	99
56) Ethyl methacrylate	8.75	69	194109	48.072	ug/l	96
57) 1,3-Dichloropropane	8.99	76	280778	48.959	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	289502	246.943	ug/l	100
59) 2-Hexanone	9.61	43	550535	260.820	ug/l	96
60) Dibromochloromethane	8.85	129	259167	49.068	ug/l	97
61) 1,2-Dibromoethane	9.13	107	190661	47.651	ug/l	98
64) Tetrachloroethene	8.30	164	260288	49.157	ug/l	98
65) Chlorobenzene	9.93	112	632149	50.542	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	272102	46.456	ug/l	99
67) Ethyl Benzene	10.03	91	1114607	49.008	ug/l	99
68) m/p-Xylenes	10.25	106	816662	97.543	ug/l	94
69) o-Xylene	10.81	106	454057	48.847	ug/l	99
70) Styrene	10.88	104	655996	50.008	ug/l	99
71) Bromoform	10.87	173	150467	48.656	ug/l #	100
73) Isopropylbenzene	11.21	105	1300471	49.433	ug/l	99
74) N-amyl acetate	11.45	43	336719	54.126	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	222848	49.256	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	150087	48.217	ug/l #	64
77) Bromobenzene	11.57	156	289765	51.416	ug/l	98
78) n-propylbenzene	11.66	91	1358777	48.961	ug/l	99
79) 2-Chlorotoluene	11.79	91	842390	50.039	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	1057881	48.280	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	75315m	47.443	ug/l	
82) 4-Chlorotoluene	11.97	91	829066	50.959	ug/l	98
83) tert-Butylbenzene	12.19	119	1087490	47.994	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	1028980	48.529	ug/l	99
85) sec-Butylbenzene	12.36	105	1414499	48.084	ug/l	99
86) p-Isopropyltoluene	12.51	119	1203981	48.248	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	507758	48.552	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	500926	49.659	ug/l	99
89) n-Butylbenzene	12.89	91	1112090	54.675	ug/l	97
90) Hexachloroethane	12.97	117	314578	49.092	ug/l	96
91) 1,2-Dichlorobenzene	12.99	146	488859	48.411	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	39579	44.525	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	402800	47.674	ug/l	99
94) Hexachlorobutadiene	14.23	225	285044	49.201	ug/l	99
95) Naphthalene	14.49	128	718174	48.613	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	389545	48.025	ug/l	99

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

