

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062093.D
 Acq On : 22 Mar 2019 22:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:22 AM

Quant Time: Mar 23 06:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	264994	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.62	114	410732	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.80	117	336282	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	173209	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	100816	51.15	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.30%	
35) Dibromofluoromethane	4.14	113	141901	51.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.14%	
50) Toluene-d8	7.58	98	426178	51.39	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.43	95	164474	51.37	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	160362	47.238	ug/l	95
3) Chloromethane	1.11	50	163835	46.123	ug/l	97
4) Vinyl Chloride	1.15	62	152594	46.442	ug/l	97
5) Bromomethane	1.34	94	119993	50.805	ug/l	95
6) Chloroethane	1.41	64	82865	50.100	ug/l #	88
7) Trichlorofluoromethane	1.51	101	198252	49.960	ug/l	94
8) Diethyl Ether	1.64	74	45995	50.742	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.85	101	135071	49.894	ug/l	94
10) Methyl Iodide	1.93	142	262179m	50.963	ug/l	
11) Tert butyl alcohol	2.58	59	24684	227.606	ug/l	100
12) 1,1-Dichloroethene	1.81	96	125001	48.937	ug/l	98
13) Acrolein	2.02	56	27871	213.715	ug/l #	80
14) Allyl chloride	2.11	41	136827	50.172	ug/l	99
15) Acrylonitrile	2.96	53	92914	243.636	ug/l	91
16) Acetone	2.25	43	94398	227.554	ug/l	96
17) Carbon Disulfide	1.85	76	380630	48.867	ug/l	100
18) Methyl Acetate	2.36	43	41559	41.998	ug/l	92
19) Methyl tert-butyl Ether	2.45	73	202454	50.148	ug/l	92
20) Methylene Chloride	2.20	84	127091m	51.020	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	129698	52.772	ug/l	98
22) Diisopropyl ether	2.82	45	371559	51.965	ug/l	97
23) Vinyl Acetate	3.21	43	758459	259.082	ug/l	100
24) 1,1-Dichloroethane	2.89	63	212937	49.661	ug/l	99
25) 2-Butanone	4.37	43	195800	226.090	ug/l	99
26) 2,2-Dichloropropane	3.62	77	84241	48.456	ug/l	96
27) cis-1,2-Dichloroethene	3.50	96	155711	47.812	ug/l	96
28) Bromochloromethane	3.74	49	90807	51.834	ug/l	90
29) Tetrahydrofuran	4.10	42	87880	233.391	ug/l	97
30) Chloroform	3.88	83	239756	52.909	ug/l	98
31) Cyclohexane	3.71	56	216325m	48.306	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	148786	53.976	ug/l	96
36) 1,1-Dichloropropene	4.31	75	196603	50.254	ug/l	98
37) Ethyl Acetate	4.15	43	75742	44.300	ug/l	88
38) Carbon Tetrachloride	4.02	117	128380	48.146	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	231058	50.888	ug/l	97
40) Benzene	4.66	78	535034	51.015	ug/l	98
41) Methacrylonitrile	4.77	41	43291	47.854	ug/l	97
42) 1,2-Dichloroethane	4.97	62	128846	51.951	ug/l	95
43) Isopropyl Acetate	6.98	43	96614	46.660	ug/l #	96
44) Trichloroethene	5.53	130	158880	49.549	ug/l	93
45) 1,2-Dichloropropane	6.26	63	120098	48.011	ug/l	99
46) Dibromomethane	6.11	93	74619	48.787	ug/l	96
47) Bromodichloromethane	6.41	83	174026	51.369	ug/l	96
48) Methyl methacrylate	6.74	41	58978	50.026	ug/l	98
49) 1,4-Dioxane	6.73	88	9957	962.511	ug/l	91
51) 4-Methyl-2-Pentanone	8.28	43	330359	238.376	ug/l	94
52) Toluene	7.65	92	307145	50.562	ug/l	97
53) t-1,3-Dichloropropene	8.30	75	135310	50.878	ug/l	92
54) cis-1,3-Dichloropropene	7.32	75	194442	51.098	ug/l	96
55) 1,1,2-Trichloroethane	8.52	97	86763	50.283	ug/l	96
56) Ethyl methacrylate	8.64	69	103751	50.418	ug/l	95
57) 1,3-Dichloropropane	8.88	76	144161	50.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.32	63	81123	259.793	ug/l	99
59) 2-Hexanone	9.51	43	230942	227.368	ug/l	95
60) Dibromochloromethane	8.74	129	123719	51.577	ug/l	98
61) 1,2-Dibromoethane	9.01	107	90906	49.382	ug/l	92
64) Tetrachloroethene	8.18	164	137353	52.868	ug/l	95
65) Chlorobenzene	9.82	112	327149	51.994	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.96	131	133139	52.678	ug/l	97
67) Ethyl Benzene	9.93	91	579214	52.933	ug/l	98
68) m/p-Xylenes	10.15	106	427128	104.436	ug/l	98
69) o-Xylene	10.74	106	225284	52.593	ug/l	91
70) Styrene	10.80	104	337315	51.974	ug/l	99
71) Bromoform	10.79	173	64511	49.902	ug/l	96
73) Isopropylbenzene	11.14	105	656309	53.848	ug/l	97
74) N-amyl acetate	11.39	43	156312	53.824	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	103572	49.491	ug/l	96
76) 1,2,3-Trichloropropane	11.81	75	72396	49.156	ug/l	95
77) Bromobenzene	11.51	156	151965	51.034	ug/l	95
78) n-propylbenzene	11.61	91	713839	50.439	ug/l	99
79) 2-Chlorotoluene	11.74	91	412811	52.478	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	516721	51.542	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.89	75	32317m	53.851	ug/l	
82) 4-Chlorotoluene	11.92	91	412062	51.089	ug/l	97
83) tert-Butylbenzene	12.15	119	574599	54.752	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	516938	52.599	ug/l	99
85) sec-Butylbenzene	12.32	105	695035	51.194	ug/l	100
86) p-Isopropyltoluene	12.48	119	627072	53.312	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	281635	50.908	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	273316	50.629	ug/l	97
89) n-Butylbenzene	12.86	91	578355	51.538	ug/l	97
90) Hexachloroethane	12.93	117	147949	52.825	ug/l	88
91) 1,2-Dichlorobenzene	12.96	146	257869	49.640	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	16373	51.636	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	182373	50.373	ug/l	97
94) Hexachlorobutadiene	14.21	225	127456	52.946	ug/l	92
95) Naphthalene	14.47	128	339320	53.482	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	175255	51.713	ug/l	99

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

