

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067876.D
 Acq On : 04 Dec 2020 10:18
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 11:30:43 AM

Quant Time: Dec 04 23:54:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	221049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	311943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	288786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	146844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	110243	46.46	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.92%
35) Dibromofluoromethane	7.92	113	100803	48.29	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.58%
50) Toluene-d8	10.34	98	372829	49.62	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.24%
62) 4-Bromofluorobenzene	12.64	95	130313	50.16	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	103093	53.590	ug/l	99
3) Chloromethane	2.21	50	50814	45.770	ug/l	95
4) Vinyl Chloride	2.36	62	70427	50.368	ug/l	98
5) Bromomethane	2.77	94	77630	62.193	ug/l	100
6) Chloroethane	2.93	64	47572	52.256	ug/l	100
7) Trichlorofluoromethane	3.28	101	214724	50.185	ug/l	96
8) Diethyl Ether	3.71	74	38608	46.296	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	95721	49.061	ug/l	97
10) Methyl Iodide	4.31	142	93340	45.135	ug/l	99
11) Tert butyl alcohol	5.20	59	25895	200.980	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	91095	49.732	ug/l	96
13) Acrolein	3.93	56	19365	212.352	ug/l	97
14) Allyl chloride	4.72	41	84668	49.966	ug/l	96
15) Acrylonitrile	5.43	53	67017	231.764	ug/l	97
16) Acetone	4.16	43	71013	242.170	ug/l	93
17) Carbon Disulfide	4.41	76	248438	48.579	ug/l	99
18) Methyl Acetate	4.72	43	26028	47.256	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	194259	49.527	ug/l	95
20) Methylene Chloride	4.97	84	98899	52.251	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	103122	49.474	ug/l	97
22) Diisopropyl ether	6.37	45	167040	49.012	ug/l	96
23) Vinyl Acetate	6.31	43	480234	253.287	ug/l	98
24) 1,1-Dichloroethane	6.27	63	149701	50.108	ug/l	99
25) 2-Butanone	7.21	43	72087	233.724	ug/l	94
26) 2,2-Dichloropropane	7.21	77	184811	51.876	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	113372	49.728	ug/l	96
28) Bromochloromethane	7.55	49	45365	47.826	ug/l	99
29) Tetrahydrofuran	7.56	42	40275	229.338	ug/l	95
30) Chloroform	7.71	83	196530	49.224	ug/l	96
31) Cyclohexane	7.98	56	114625	45.847	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	210264	49.890	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136357	50.494	ug/l	99
37) Ethyl Acetate	7.30	43	33553	46.101	ug/l #	82
38) Carbon Tetrachloride	8.10	117	212354	51.972	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157296	49.152	ug/l	98
40) Benzene	8.35	78	372393	50.397	ug/l	100
41) Methacrylonitrile	7.52	41	16723	48.226	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	130103	49.402	ug/l	98
43) Isopropyl Acetate	8.46	43	66316	46.308	ug/l #	59
44) Trichloroethene	9.11	130	126988	49.985	ug/l	99
45) 1,2-Dichloropropane	9.40	63	73280	48.319	ug/l	97
46) Dibromomethane	9.48	93	51452	48.795	ug/l	98
47) Bromodichloromethane	9.67	83	150411	50.035	ug/l	95
48) Methyl methacrylate	9.46	41	33137	45.569	ug/l	97
49) 1,4-Dioxane	9.46	88	9893	821.080	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	157524	232.412	ug/l	98
52) Toluene	10.41	92	259805	50.289	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	129347	49.852	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	142918	50.640	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	66958	46.401	ug/l	95
56) Ethyl methacrylate	10.66	69	68463	46.630	ug/l	97
57) 1,3-Dichloropropane	10.95	76	107038	46.827	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	172934	258.849	ug/l	98
59) 2-Hexanone	10.99	43	119378	249.851	ug/l	96
60) Dibromochloromethane	11.14	129	106499	48.959	ug/l	100
61) 1,2-Dibromoethane	11.25	107	65921	46.454	ug/l	99
64) Tetrachloroethene	10.88	164	107628	45.691	ug/l	95
65) Chlorobenzene	11.67	112	293626	49.276	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	119607	49.213	ug/l	96
67) Ethyl Benzene	11.75	91	506288	49.877	ug/l	99
68) m/p-Xylenes	11.86	106	390098	97.463	ug/l	98
69) o-Xylene	12.18	106	184995	52.062	ug/l	98
70) Styrene	12.20	104	315293	51.029	ug/l	99
71) Bromoform	12.37	173	62288	48.417	ug/l #	99
73) Isopropylbenzene	12.48	105	518433	51.338	ug/l	97
74) N-amyl acetate	12.29	43	59097	47.310	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	58829	44.125	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	48019m	44.904	ug/l	
77) Bromobenzene	12.77	156	124807	49.713	ug/l	96
78) n-propylbenzene	12.83	91	559199	49.962	ug/l	100
79) 2-Chlorotoluene	12.91	91	324370	49.262	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	441358	50.480	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19009	42.522	ug/l	92
82) 4-Chlorotoluene	13.01	91	354630	50.489	ug/l	98
83) tert-Butylbenzene	13.23	119	381224	51.238	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	432717	49.770	ug/l	99
85) sec-Butylbenzene	13.41	105	483154	48.654	ug/l	100
86) p-Isopropyltoluene	13.52	119	474067	48.710	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	230852	47.669	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	233782	48.253	ug/l	99
89) n-Butylbenzene	13.85	91	390473	48.292	ug/l	98
90) Hexachloroethane	14.11	117	85703	47.697	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	201658	48.011	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12341	44.353	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	142520	48.509	ug/l	98
94) Hexachlorobutadiene	15.27	225	89760	46.820	ug/l	96
95) Naphthalene	15.40	128	226919	47.465	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	123163	48.542	ug/l	100

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

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