

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067915.D
 Acq On : 08 Dec 2020 16:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/9/2020 9:28:52 AM

Quant Time: Dec 09 04:54:58 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	202646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	296492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	268813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134790	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	107629	49.47	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.94%
35) Dibromofluoromethane	7.92	113	97140	48.96	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.92%
50) Toluene-d8	10.34	98	347179	48.61	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.22%
62) 4-Bromofluorobenzene	12.64	95	121333	49.14	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	88971	50.449	ug/l 94
3) Chloromethane	2.21	50	50121	49.245	ug/l 98
4) Vinyl Chloride	2.35	62	64797	50.550	ug/l 95
5) Bromomethane	2.77	94	62195	54.352	ug/l 98
6) Chloroethane	2.93	64	43821	52.507	ug/l 91
7) Trichlorofluoromethane	3.28	101	195216	49.769	ug/l 97
8) Diethyl Ether	3.71	74	36516	47.764	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	88684	49.582	ug/l 97
10) Methyl Iodide	4.30	142	88531	46.698	ug/l 97
11) Tert butyl alcohol	5.21	59	25717	223.931	ug/l 99
12) 1,1-Dichloroethene	4.07	96	83253	49.578	ug/l 91
13) Acrolein	3.93	56	18499	221.277	ug/l 100
14) Allyl chloride	4.71	41	76478	49.231	ug/l 92
15) Acrylonitrile	5.42	53	62199	234.636	ug/l 98
16) Acetone	4.15	43	61838	230.032	ug/l 97
17) Carbon Disulfide	4.41	76	216782	46.238	ug/l 99
18) Methyl Acetate	4.72	43	23833	47.200	ug/l 92
19) Methyl tert-butyl Ether	5.47	73	186833	51.960	ug/l 99
20) Methylene Chloride	4.97	84	91977	53.072	ug/l 94
21) trans-1,2-Dichloroethene	5.48	96	95512	49.985	ug/l 98
22) Diisopropyl ether	6.36	45	155027	49.618	ug/l 96
23) Vinyl Acetate	6.31	43	441293	253.886	ug/l 99
24) 1,1-Dichloroethane	6.26	63	136835	49.961	ug/l 96
25) 2-Butanone	7.21	43	65055	230.079	ug/l 100
26) 2,2-Dichloropropane	7.21	77	169278	51.831	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	105634	50.542	ug/l 98
28) Bromochloromethane	7.56	49	42044	48.350	ug/l 96
29) Tetrahydrofuran	7.56	42	36500	226.717	ug/l 94
30) Chloroform	7.71	83	186477	50.948	ug/l 97
31) Cyclohexane	7.99	56	104824	45.734	ug/l 97
32) 1,1,1-Trichloroethane	7.91	97	201380	52.121	ug/l 98
36) 1,1-Dichloropropene	8.11	75	129411	50.419	ug/l 98
37) Ethyl Acetate	7.30	43	28732	41.534	ug/l 98
38) Carbon Tetrachloride	8.10	117	198897	51.216	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148717	48.893	ug/l	96
40) Benzene	8.36	78	343733	48.942	ug/l	99
41) Methacrylonitrile	7.52	41	12739m	37.675	ug/l	
42) 1,2-Dichloroethane	8.43	62	126585	50.571	ug/l	100
43) Isopropyl Acetate	8.46	43	64191	47.160	ug/l #	58
44) Trichloroethene	9.11	130	117924	48.836	ug/l	97
45) 1,2-Dichloropropane	9.39	63	65946	45.749	ug/l	94
46) Dibromomethane	9.48	93	48905	48.797	ug/l	98
47) Bromodichloromethane	9.66	83	141703	49.595	ug/l	98
48) Methyl methacrylate	9.46	41	30566	44.224	ug/l	92
49) 1,4-Dioxane	9.46	88	8336	727.909	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	146795	227.869	ug/l	97
52) Toluene	10.41	92	243768	49.644	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	121546	49.287	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	135990	50.696	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	62359	45.466	ug/l	97
56) Ethyl methacrylate	10.67	69	63193	45.284	ug/l	95
57) 1,3-Dichloropropane	10.95	76	101112	46.539	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	156542	246.524	ug/l	96
59) 2-Hexanone	10.98	43	105684	232.717	ug/l	98
60) Dibromochloromethane	11.14	129	102720	49.683	ug/l	97
61) 1,2-Dibromoethane	11.25	107	64242	47.630	ug/l	97
64) Tetrachloroethene	10.88	164	105865	48.281	ug/l	96
65) Chlorobenzene	11.67	112	273214	49.258	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	112056	49.532	ug/l	96
67) Ethyl Benzene	11.75	91	483477	51.169	ug/l	98
68) m/p-Xylenes	11.86	106	372847	100.074	ug/l	99
69) o-Xylene	12.18	106	175110	52.942	ug/l	98
70) Styrene	12.20	104	293460	51.024	ug/l	99
71) Bromoform	12.37	173	57611	48.109	ug/l #	93
73) Isopropylbenzene	12.48	105	491214	52.993	ug/l	99
74) N-amyl acetate	12.29	43	54962	47.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	53415	43.647	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	45406m	46.258	ug/l	
77) Bromobenzene	12.77	156	119389	51.808	ug/l	98
78) n-propylbenzene	12.83	91	540965	52.655	ug/l	100
79) 2-Chlorotoluene	12.91	91	312131	51.643	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	433450	54.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17972	43.797	ug/l	94
82) 4-Chlorotoluene	13.01	91	335387	52.020	ug/l	99
83) tert-Butylbenzene	13.23	119	371587	54.410	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	424076	53.139	ug/l	97
85) sec-Butylbenzene	13.40	105	473734	51.972	ug/l	100
86) p-Isopropyltoluene	13.52	119	470007	52.611	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	224971	50.609	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	225546	50.716	ug/l	99
89) n-Butylbenzene	13.85	91	395030	53.225	ug/l	100
90) Hexachloroethane	14.11	117	84409	51.178	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	193435	50.172	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13022	50.986	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	141911	52.621	ug/l	100
94) Hexachlorobutadiene	15.27	225	91631	52.070	ug/l	98
95) Naphthalene	15.41	128	218614	49.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	120465	51.725	ug/l	99

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

