

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021921\
 Data File : VD068408.D
 Acq On : 19 Feb 2021 20:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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 2/22/2021 4:58:05 PM

Quant Time: Feb 19 23:33:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 13:30:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	379966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	670657	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	603458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	277051	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	206602	53.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.38%			
35) Dibromofluoromethane	7.914	113	216718	54.44	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.88%			
50) Toluene-d8	10.344	98	849627	51.49	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.98%			
62) 4-Bromofluorobenzene	12.632	95	275411	51.24	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	130682	37.53	ug/l	96
3) Chloromethane	2.209	50	163380	39.41	ug/l	98
4) Vinyl Chloride	2.350	62	204835	41.28	ug/l	98
5) Bromomethane	2.773	94	160947	45.38	ug/l	93
6) Chloroethane	2.926	64	143145	44.16	ug/l	98
7) Trichlorofluoromethane	3.273	101	257203	42.11	ug/l	99
8) Diethyl Ether	3.715	74	82503	45.99	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.103	101	159193	42.83	ug/l	96
10) Methyl Iodide	4.303	142	157207	45.04	ug/l	94
11) Tert butyl alcohol	5.220	59	61336	314.95	ug/l	96
12) 1,1-Dichloroethene	4.067	96	153914	42.59	ug/l	98
13) Acrolein	3.926	56	55121	247.52	ug/l	100
14) Allyl chloride	4.715	41	197944	42.13	ug/l	95
15) Acrylonitrile	5.426	53	172199	222.42	ug/l	99
16) Acetone	4.162	43	124233	207.30	ug/l	93
17) Carbon Disulfide	4.415	76	412378	39.40	ug/l	100
18) Methyl Acetate	4.720	43	70074	42.60	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	383910	47.08	ug/l	96
20) Methylene Chloride	4.967	84	223236	53.83	ug/l	91
21) trans-1,2-Dichloroethene	5.485	96	182417	43.61	ug/l	94
22) Diisopropyl ether	6.361	45	469749	45.18	ug/l	97
23) Vinyl Acetate	6.309	43	1214172	226.16	ug/l	99
24) 1,1-Dichloroethane	6.267	63	326022	45.83	ug/l	98
25) 2-Butanone	7.214	43	190485	227.33	ug/l	98
26) 2,2-Dichloropropane	7.208	77	264334	43.44	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	219881	46.25	ug/l	97
28) Bromochloromethane	7.550	49	151939	51.49	ug/l	86
29) Tetrahydrofuran	7.567	42	119213	219.94	ug/l	98
30) Chloroform	7.714	83	351300	47.47	ug/l	95
31) Cyclohexane	7.991	56	238184	40.87	ug/l	97
32) 1,1,1-Trichloroethane	7.908	97	289457	45.27	ug/l	96
36) 1,1-Dichloropropene	8.114	75	247412	41.70	ug/l	97
37) Ethyl Acetate	7.291	43	88489	44.14	ug/l	97
38) Carbon Tetrachloride	8.097	117	245318	43.35	ug/l	97
39) Methylcyclohexane	9.355	83	287438	39.50	ug/l	96
40) Benzene	8.355	78	746107	44.09	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	63019m	54.61	ug/l	
42) 1,2-Dichloroethane	8.426	62	208596	46.21	ug/l	99
43) Isopropyl Acetate	8.456	43	167471	43.62	ug/l	99
44) Trichloroethene	9.114	130	208418	45.25	ug/l	98
45) 1,2-Dichloropropane	9.385	63	187327	45.36	ug/l	94
46) Dibromomethane	9.479	93	104477	46.64	ug/l	93
47) Bromodichloromethane	9.667	83	271350	46.72	ug/l	97
48) Methyl methacrylate	9.455	41	80330	41.93	ug/l #	83
49) 1,4-Dioxane	9.461	88	24680	942.98	ug/l	96
51) 4-Methyl-2-Pentanone	10.232	43	440418	223.36	ug/l	100
52) Toluene	10.402	92	494755	45.47	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	248579	46.25	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	299612	45.62	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	149356	48.26	ug/l	94
56) Ethyl methacrylate	10.661	69	168500	45.89	ug/l	98
57) 1,3-Dichloropropane	10.949	76	246273	45.35	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	476758	242.48	ug/l	95
59) 2-Hexanone	10.985	43	297200	222.97	ug/l	100
60) Dibromochloromethane	11.144	129	185207	48.23	ug/l	97
61) 1,2-Dibromoethane	11.249	107	140194	46.88	ug/l	98
64) Tetrachloroethene	10.879	164	167191	45.02	ug/l	96
65) Chlorobenzene	11.673	112	537769	46.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	193180	47.72	ug/l	98
67) Ethyl Benzene	11.744	91	947314	45.54	ug/l	96
68) m/p-Xylenes	11.855	106	715879	91.05	ug/l	99
69) o-Xylene	12.179	106	337162	46.74	ug/l	95
70) Styrene	12.196	104	591501	47.14	ug/l	99
71) Bromoform	12.361	173	100892	48.50	ug/l #	98
73) Isopropylbenzene	12.479	105	909772	44.96	ug/l	99
74) N-amyl acetate	12.291	43	158499	44.36	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.732	83	159516	45.49	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	114230m	43.33	ug/l	
77) Bromobenzene	12.761	156	207143	45.82	ug/l	92
78) n-propylbenzene	12.820	91	1063665	43.91	ug/l	98
79) 2-Chlorotoluene	12.908	91	598233	44.59	ug/l	99
80) 1,3,5-Trimethylbenzene	12.961	105	752475	45.50	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	47284	44.96	ug/l	95
82) 4-Chlorotoluene	13.002	91	631253	44.50	ug/l	98
83) tert-Butylbenzene	13.220	119	656572	45.77	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	756426	45.91	ug/l	98
85) sec-Butylbenzene	13.402	105	885738	44.15	ug/l	99
86) p-Isopropyltoluene	13.514	119	814590	45.22	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	396181	45.30	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	394290	45.31	ug/l	99
89) n-Butylbenzene	13.843	91	762401	43.38	ug/l	98
90) Hexachloroethane	14.108	117	149824	45.81	ug/l	93
91) 1,2-Dichlorobenzene	13.890	146	346362	45.67	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	23918	46.65	ug/l	89
93) 1,2,4-Trichlorobenzene	15.161	180	231711	46.65	ug/l	98
94) Hexachlorobutadiene	15.267	225	126313	46.23	ug/l	98
95) Naphthalene	15.396	128	432750	46.86	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	198894	45.90	ug/l	98

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

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