

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD069994.D
 Acq On : 09 Aug 2021 13:59
 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
 8/10/2021 6:08:30 PM

Quant Time: Aug 10 07:01:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	563124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	982701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	932845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	434669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	314998	48.638	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.280%		
35) Dibromofluoromethane	7.914	113	313831	50.659	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.320%		
50) Toluene-d8	10.332	98	1213530	50.802	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.600%		
62) 4-Bromofluorobenzene	12.626	95	425473	53.296	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	241260	40.704	ug/l	98
3) Chloromethane	2.209	50	357504	41.580	ug/l	99
4) Vinyl Chloride	2.344	62	398881	44.108	ug/l	99
5) Bromomethane	2.762	94	261563	48.988	ug/l	94
6) Chloroethane	2.915	64	267376	45.615	ug/l	96
7) Trichlorofluoromethane	3.268	101	514057	46.046	ug/l	97
8) Diethyl Ether	3.709	74	161004	51.272	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	337294	47.572	ug/l	98
10) Methyl Iodide	4.297	142	304778	43.985	ug/l	99
11) Tert butyl alcohol	5.220	59	93821	279.963	ug/l	100
12) 1,1-Dichloroethene	4.068	96	312106	48.442	ug/l	96
13) Acrolein	3.921	56	101544	216.459	ug/l	99
14) Allyl chloride	4.709	41	495179	52.421	ug/l	99
15) Acrylonitrile	5.415	53	398524	269.785	ug/l	100
16) Acetone	4.156	43	311163	265.964	ug/l	97
17) Carbon Disulfide	4.409	76	993706	43.135	ug/l	100
18) Methyl Acetate	4.715	43	172075	50.691	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	751989	56.332	ug/l	98
20) Methylene Chloride	4.962	84	446568	53.091	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	366700	48.301	ug/l	99
22) Diisopropyl ether	6.362	45	1120072	54.566	ug/l	98
23) Vinyl Acetate	6.303	43	2884779	255.034	ug/l	100
24) 1,1-Dichloroethane	6.262	63	695967	49.089	ug/l	99
25) 2-Butanone	7.209	43	448479	282.670	ug/l	99
26) 2,2-Dichloropropane	7.203	77	561545	52.088	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	408633	50.442	ug/l	99
28) Bromochloromethane	7.544	49	287267	53.367	ug/l	96
29) Tetrahydrofuran	7.556	42	297519	289.847	ug/l	99
30) Chloroform	7.709	83	689663	48.382	ug/l	98
31) Cyclohexane	7.985	56	604007	47.731	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	580214	49.176	ug/l	100
36) 1,1-Dichloropropene	8.109	75	527146	49.708	ug/l	99
37) Ethyl Acetate	7.291	43	213092	55.195	ug/l	100
38) Carbon Tetrachloride	8.091	117	483728	49.936	ug/l	98
39) Methylcyclohexane	9.350	83	626988	51.623	ug/l	98
40) Benzene	8.350	78	1534523	49.946	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	116005m	57.257	ug/l	
42) 1,2-Dichloroethane	8.420	62	402200	49.500	ug/l	100
43) Isopropyl Acetate	8.450	43	394218	56.934	ug/l	98
44) Trichloroethene	9.108	130	365383	48.292	ug/l	98
45) 1,2-Dichloropropane	9.385	63	406498	50.371	ug/l	97
46) Dibromomethane	9.473	93	195974	49.403	ug/l	98
47) Bromodichloromethane	9.656	83	511594	49.639	ug/l	99
48) Methyl methacrylate	9.450	41	192847	52.182	ug/l	97
49) 1,4-Dioxane	9.456	88	47556	1134.708	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	1068353	296.506	ug/l	100
52) Toluene	10.397	92	953554	51.164	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	473596	54.745	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	559705	53.440	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	281198	50.187	ug/l	95
56) Ethyl methacrylate	10.655	69	356190	51.307	ug/l	97
57) 1,3-Dichloropropane	10.944	76	501004	52.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	791110	258.835	ug/l	99
59) 2-Hexanone	10.979	43	726482	304.819	ug/l	99
60) Dibromochloromethane	11.132	129	326262	51.416	ug/l	100
61) 1,2-Dibromoethane	11.238	107	259253	51.392	ug/l	98
64) Tetrachloroethene	10.873	164	285652	48.038	ug/l	98
65) Chlorobenzene	11.661	112	973244	50.358	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	345312	49.667	ug/l	98
67) Ethyl Benzene	11.738	91	1809311	53.175	ug/l	99
68) m/p-Xylenes	11.844	106	1408032	106.747	ug/l	100
69) o-Xylene	12.173	106	639651	53.342	ug/l	100
70) Styrene	12.185	104	1134007	54.568	ug/l	100
71) Bromoform	12.355	173	172191	50.998	ug/l #	98
73) Isopropylbenzene	12.473	105	1710534	54.769	ug/l	100
74) N-amyl acetate	12.279	43	379332	59.049	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	328500	52.669	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	215746m	46.696	ug/l	
77) Bromobenzene	12.755	156	358178	50.920	ug/l	100
78) n-propylbenzene	12.814	91	2203250	54.926	ug/l	100
79) 2-Chlorotoluene	12.897	91	1227163	52.668	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1458373	54.587	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	99190	65.130	ug/l	95
82) 4-Chlorotoluene	12.997	91	1283639	52.697	ug/l	100
83) tert-Butylbenzene	13.214	119	1201442	55.312	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	1447043	54.902	ug/l	98
85) sec-Butylbenzene	13.391	105	1894178	55.161	ug/l	100
86) p-Isopropyltoluene	13.502	119	1543472	55.326	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	757776	51.311	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	741435	50.371	ug/l	99
89) n-Butylbenzene	13.832	91	1528434	55.514	ug/l	99
90) Hexachloroethane	14.096	117	304818	51.581	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	648132	50.848	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	48045	53.495	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	373337	54.287	ug/l	99
94) Hexachlorobutadiene	15.255	225	214434	50.973	ug/l	99
95) Naphthalene	15.385	128	720098	50.616	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	332673	55.937	ug/l	99

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

