

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070017.D
 Acq On : 11 Aug 2021 12:15
 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
 8/12/2021 4:50:38 PM

Quant Time: Aug 12 05:27:04 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	7.979	168	557528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	962805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	893447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	421947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	295187	46.036	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.080%		
35) Dibromofluoromethane	7.914	113	300460	49.503	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.000%		
50) Toluene-d8	10.338	98	1164636	49.763	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.520%		
62) 4-Bromofluorobenzene	12.626	95	405106	51.793	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	238024	40.561	ug/l	99
3) Chloromethane	2.209	50	344529	40.473	ug/l	97
4) Vinyl Chloride	2.344	62	397596	44.407	ug/l	98
5) Bromomethane	2.756	94	247486	46.729	ug/l	99
6) Chloroethane	2.915	64	264411	45.562	ug/l	99
7) Trichlorofluoromethane	3.268	101	518158	46.880	ug/l	98
8) Diethyl Ether	3.709	74	154900	49.823	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	341104	48.592	ug/l	98
10) Methyl Iodide	4.297	142	299744	43.716	ug/l	99
11) Tert butyl alcohol	5.220	59	83852	252.727	ug/l	99
12) 1,1-Dichloroethene	4.062	96	305892	47.954	ug/l	97
13) Acrolein	3.921	56	84398	181.715	ug/l	99
14) Allyl chloride	4.715	41	479151	51.233	ug/l	98
15) Acrylonitrile	5.415	53	375566	256.795	ug/l	100
16) Acetone	4.156	43	346615	299.240	ug/l	99
17) Carbon Disulfide	4.403	76	958073	42.006	ug/l	99
18) Methyl Acetate	4.720	43	164278	48.880	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	706525	53.458	ug/l	100
20) Methylene Chloride	4.962	84	398023	47.073	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	359424	47.818	ug/l	95
22) Diisopropyl ether	6.362	45	1090330	53.651	ug/l	98
23) Vinyl Acetate	6.303	43	2745515	245.946	ug/l	99
24) 1,1-Dichloroethane	6.262	63	681110	48.523	ug/l	99
25) 2-Butanone	7.209	43	435379	277.167	ug/l	97
26) 2,2-Dichloropropane	7.209	77	565070	52.941	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	396431	49.427	ug/l	99
28) Bromochloromethane	7.544	49	280086	52.555	ug/l	98
29) Tetrahydrofuran	7.561	42	278064	273.612	ug/l	99
30) Chloroform	7.709	83	663539	47.017	ug/l	92
31) Cyclohexane	7.985	56	608963	48.606	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	575256	49.245	ug/l	100
36) 1,1-Dichloropropene	8.109	75	526907	50.712	ug/l	100
37) Ethyl Acetate	7.291	43	203568	53.818	ug/l	100
38) Carbon Tetrachloride	8.091	117	486760	51.287	ug/l	98
39) Methylcyclohexane	9.355	83	634963	53.359	ug/l	97
40) Benzene	8.350	78	1498925	49.796	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	104625	52.707	ug/l	99
42) 1,2-Dichloroethane	8.420	62	379121	47.624	ug/l	98
43) Isopropyl Acetate	8.450	43	365830	53.926	ug/l	98
44) Trichloroethene	9.108	130	362913	48.957	ug/l	99
45) 1,2-Dichloropropane	9.385	63	390883	49.437	ug/l	100
46) Dibromomethane	9.467	93	192183	49.448	ug/l	99
47) Bromodichloromethane	9.661	83	499930	49.509	ug/l	95
48) Methyl methacrylate	9.450	41	182740	50.559	ug/l	98
49) 1,4-Dioxane	9.456	88	43627	1062.471	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	1003278	284.199	ug/l	99
52) Toluene	10.403	92	947859	51.909	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	446137	52.636	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	534838	52.121	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	272043	49.557	ug/l	97
56) Ethyl methacrylate	10.655	69	335407	49.463	ug/l	98
57) 1,3-Dichloropropane	10.938	76	473424	50.966	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	793545	264.501	ug/l	99
59) 2-Hexanone	10.979	43	702413	300.811	ug/l	99
60) Dibromochloromethane	11.132	129	316193	50.859	ug/l	99
61) 1,2-Dibromoethane	11.244	107	248977	50.375	ug/l	99
64) Tetrachloroethene	10.873	164	284402	49.937	ug/l	97
65) Chlorobenzene	11.667	112	955650	51.628	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	342301	51.405	ug/l	99
67) Ethyl Benzene	11.738	91	1781920	54.679	ug/l	99
68) m/p-Xylenes	11.844	106	1389518	109.989	ug/l	100
69) o-Xylene	12.173	106	626873	54.582	ug/l	99
70) Styrene	12.185	104	1106368	55.586	ug/l	100
71) Bromoform	12.349	173	168143	51.995	ug/l #	100
73) Isopropylbenzene	12.473	105	1700555	56.092	ug/l	100
74) N-amyl acetate	12.279	43	361812	58.020	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	312024	51.536	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	211874m	47.241	ug/l	
77) Bromobenzene	12.749	156	348738	51.073	ug/l	98
78) n-propylbenzene	12.808	91	2190013	56.242	ug/l	100
79) 2-Chlorotoluene	12.897	91	1215473	53.739	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1446444	55.773	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	86033	58.194	ug/l	97
82) 4-Chlorotoluene	12.996	91	1255772	53.107	ug/l	100
83) tert-Butylbenzene	13.214	119	1196061	56.724	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1424464	55.675	ug/l	98
85) sec-Butylbenzene	13.391	105	1908960	57.268	ug/l	99
86) p-Isopropyltoluene	13.508	119	1540418	56.881	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	737537	51.447	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	715794	50.095	ug/l	99
89) n-Butylbenzene	13.832	91	1525488	57.078	ug/l	99
90) Hexachloroethane	14.102	117	304859	53.143	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	644093	52.055	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	44523	51.068	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	363198	54.405	ug/l	99
94) Hexachlorobutadiene	15.255	225	218482	53.501	ug/l	99
95) Naphthalene	15.385	128	688721	49.944	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	314711	54.512	ug/l	100

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

