

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070020.D
 Acq On : 11 Aug 2021 13:40
 Operator : VA/SY
 Sample : VD0811SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/12/2021 4:50:42 PM

Quant Time: Aug 12 05:28:27 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	503882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	918497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	844708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	398079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	281210	48.526	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.060%
35) Dibromofluoromethane	7.909	113	286456	49.473	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.940%
50) Toluene-d8	10.338	98	1090680	48.851	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.700%
62) 4-Bromofluorobenzene	12.626	95	375494	50.323	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	117252	22.108	ug/l	96
3) Chloromethane	2.209	50	162754	21.155	ug/l	92
4) Vinyl Chloride	2.344	62	180318	22.284	ug/l	98
5) Bromomethane	2.750	94	115946	23.265	ug/l	96
6) Chloroethane	2.915	64	117316	22.368	ug/l	95
7) Trichlorofluoromethane	3.262	101	222617	22.285	ug/l	99
8) Diethyl Ether	3.703	74	62571	22.269	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	142227	22.418	ug/l	99
10) Methyl Iodide	4.297	142	118413	21.057	ug/l	98
11) Tert butyl alcohol	5.232	59	36368	121.282	ug/l	99
12) 1,1-Dichloroethene	4.068	96	129797	22.514	ug/l	96
13) Acrolein	3.926	56	29288	69.773	ug/l	99
14) Allyl chloride	4.709	41	195909	23.178	ug/l	99
15) Acrylonitrile	5.420	53	149448	113.065	ug/l	98
16) Acetone	4.156	43	121724	116.275	ug/l	99
17) Carbon Disulfide	4.403	76	436263	21.164	ug/l	99
18) Methyl Acetate	4.720	43	70269	23.134	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	261423	21.886	ug/l	99
20) Methylene Chloride	4.956	84	216001	25.376	ug/l	99
21) trans-1,2-Dichloroethene	5.468	96	144929	21.334	ug/l	94
22) Diisopropyl ether	6.362	45	431159	23.474	ug/l	94
23) Vinyl Acetate	6.303	43	1016875	112.801	ug/l	99
24) 1,1-Dichloroethane	6.256	63	281589	22.196	ug/l	100
25) 2-Butanone	7.209	43	165335	116.460	ug/l	95
26) 2,2-Dichloropropane	7.203	77	226536	23.484	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	163657	22.577	ug/l	97
28) Bromochloromethane	7.544	49	117786	24.454	ug/l	94
29) Tetrahydrofuran	7.561	42	105218	114.556	ug/l	98
30) Chloroform	7.709	83	279988	21.951	ug/l	94
31) Cyclohexane	7.979	56	252182	22.272	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	232469	22.019	ug/l	98
36) 1,1-Dichloropropene	8.109	75	212714	21.460	ug/l	99
37) Ethyl Acetate	7.291	43	79000	21.893	ug/l	100
38) Carbon Tetrachloride	8.091	117	198912	21.969	ug/l	96
39) Methylcyclohexane	9.350	83	248751	21.912	ug/l	99
40) Benzene	8.350	78	633069	22.046	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	44947	23.735	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	159964	21.063	ug/l	100
43) Isopropyl Acetate	8.450	43	147191	22.744	ug/l	99
44) Trichloroethene	9.108	130	151947	21.486	ug/l	98
45) 1,2-Dichloropropane	9.385	63	169098	22.418	ug/l	96
46) Dibromomethane	9.473	93	78161	21.081	ug/l	98
47) Bromodichloromethane	9.656	83	206042	21.389	ug/l	95
48) Methyl methacrylate	9.450	41	71676	22.405	ug/l	94
49) 1,4-Dioxane	9.461	88	16789	428.595	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	381336	113.232	ug/l	100
52) Toluene	10.397	92	385358	22.122	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	185432	22.933	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	222101	22.688	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	110659	21.131	ug/l	97
56) Ethyl methacrylate	10.655	69	125124	21.715	ug/l	97
57) 1,3-Dichloropropane	10.938	76	191808	21.645	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	271993	108.404	ug/l	99
59) 2-Hexanone	10.979	43	258035	115.835	ug/l	96
60) Dibromochloromethane	11.132	129	126017	21.247	ug/l	98
61) 1,2-Dibromoethane	11.238	107	100509	21.317	ug/l	95
64) Tetrachloroethene	10.873	164	121660	22.594	ug/l	98
65) Chlorobenzene	11.661	112	398962	22.797	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	137805	21.889	ug/l	98
67) Ethyl Benzene	11.738	91	700600	22.739	ug/l	98
68) m/p-Xylenes	11.844	106	553315	46.325	ug/l	99
69) o-Xylene	12.173	106	246904	22.738	ug/l	99
70) Styrene	12.191	104	440303	23.398	ug/l	99
71) Bromoform	12.349	173	68924	22.543	ug/l #	97
73) Isopropylbenzene	12.473	105	658790	23.033	ug/l	100
74) N-amyl acetate	12.279	43	138624	23.562	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	127441	22.311	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	88699m	20.963	ug/l	
77) Bromobenzene	12.755	156	142953	22.191	ug/l	99
78) n-propylbenzene	12.814	91	854291	23.255	ug/l	99
79) 2-Chlorotoluene	12.897	91	489913	22.959	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	571383	23.353	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	34405	24.668	ug/l	98
82) 4-Chlorotoluene	12.997	91	518793	23.255	ug/l	99
83) tert-Butylbenzene	13.214	119	452407	22.742	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	559215	23.167	ug/l	98
85) sec-Butylbenzene	13.391	105	732572	23.294	ug/l	100
86) p-Isopropyltoluene	13.508	119	591718	23.160	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	304222	22.493	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	300072	22.260	ug/l	99
89) n-Butylbenzene	13.832	91	575080	22.807	ug/l	100
90) Hexachloroethane	14.102	117	121853	22.515	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	259680	22.245	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	17808	21.651	ug/l	91
93) 1,2,4-Trichlorobenzene	15.149	180	143033	22.710	ug/l	100
94) Hexachlorobutadiene	15.255	225	83689	21.722	ug/l	98
95) Naphthalene	15.385	128	247656	22.129	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	122791	22.544	ug/l	98

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

