

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD069996.D
 Acq On : 09 Aug 2021 14:56
 Operator : VA/SY
 Sample : VD0809SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0809SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:08:40 PM

Quant Time: Aug 10 07:02:29 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	519034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	942395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	886365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	412349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	297708	49.873	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.740%			
35) Dibromofluoromethane	7.914	113	299407	50.398	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.800%			
50) Toluene-d8	10.332	98	1163377	50.786	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.580%			
62) 4-Bromofluorobenzene	12.626	95	397900	51.974	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	118343	21.662	ug/l	99
3) Chloromethane	2.209	50	170951	21.572	ug/l	98
4) Vinyl Chloride	2.344	62	183202	21.979	ug/l	98
5) Bromomethane	2.750	94	117061	22.764	ug/l	98
6) Chloroethane	2.909	64	115446	21.369	ug/l	91
7) Trichlorofluoromethane	3.262	101	226137	21.977	ug/l	95
8) Diethyl Ether	3.709	74	64558	22.305	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.085	101	144166	22.060	ug/l	98
10) Methyl Iodide	4.297	142	107967	19.037	ug/l	99
11) Tert butyl alcohol	5.226	59	42729	138.335	ug/l #	94
12) 1,1-Dichloroethene	4.068	96	129391	21.789	ug/l	94
13) Acrolein	3.926	56	33241	76.878	ug/l	93
14) Allyl chloride	4.715	41	197464	22.680	ug/l	98
15) Acrylonitrile	5.420	53	155290	114.055	ug/l	98
16) Acetone	4.156	43	134826	125.031	ug/l	94
17) Carbon Disulfide	4.409	76	454910	21.424	ug/l	100
18) Methyl Acetate	4.720	43	73074	23.355	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	276712	22.490	ug/l	97
20) Methylene Chloride	4.956	84	237880	27.630	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	153614	21.952	ug/l	96
22) Diisopropyl ether	6.362	45	442854	23.407	ug/l	95
23) Vinyl Acetate	6.303	43	1026463	110.948	ug/l	100
24) 1,1-Dichloroethane	6.262	63	286226	21.903	ug/l	98
25) 2-Butanone	7.214	43	172952	118.269	ug/l	99
26) 2,2-Dichloropropane	7.209	77	226534	22.798	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	161096	21.575	ug/l	99
28) Bromochloromethane	7.544	49	114275	23.033	ug/l	99
29) Tetrahydrofuran	7.561	42	114065	120.563	ug/l	98
30) Chloroform	7.709	83	279697	21.288	ug/l	96
31) Cyclohexane	7.985	56	260298	22.317	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	240430	22.108	ug/l	99
36) 1,1-Dichloropropene	8.108	75	219065	21.540	ug/l	98
37) Ethyl Acetate	7.285	43	82127	22.182	ug/l	98
38) Carbon Tetrachloride	8.091	117	198795	21.400	ug/l	97
39) Methylcyclohexane	9.350	83	252080	21.642	ug/l	98
40) Benzene	8.350	78	633002	21.484	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	40619	20.906	ug/l	96
42) 1,2-Dichloroethane	8.420	62	162698	20.880	ug/l	99
43) Isopropyl Acetate	8.450	43	151849	22.868	ug/l	98
44) Trichloroethene	9.108	130	151069	20.820	ug/l	95
45) 1,2-Dichloropropane	9.385	63	163574	21.136	ug/l	98
46) Dibromomethane	9.473	93	81785	21.499	ug/l	99
47) Bromodichloromethane	9.655	83	207549	20.999	ug/l	99
48) Methyl methacrylate	9.450	41	75470	22.920	ug/l	97
49) 1,4-Dioxane	9.455	88	18343	456.392	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	399823	115.711	ug/l	100
52) Toluene	10.397	92	395016	22.101	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	181424	21.868	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	223042	22.207	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	117113	21.796	ug/l	97
56) Ethyl methacrylate	10.655	69	129867	21.921	ug/l	96
57) 1,3-Dichloropropane	10.938	76	199782	21.973	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	276205	107.506	ug/l	99
59) 2-Hexanone	10.979	43	277644	121.477	ug/l	98
60) Dibromochloromethane	11.138	129	127862	21.012	ug/l	98
61) 1,2-Dibromoethane	11.238	107	104205	21.540	ug/l	99
64) Tetrachloroethene	10.873	164	122016	21.595	ug/l	95
65) Chlorobenzene	11.661	112	399947	21.779	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	141316	21.392	ug/l	96
67) Ethyl Benzene	11.738	91	708025	21.900	ug/l	99
68) m/p-Xylenes	11.849	106	559113	44.611	ug/l	100
69) o-Xylene	12.173	106	245036	21.506	ug/l	97
70) Styrene	12.191	104	442077	22.388	ug/l	100
71) Bromoform	12.355	173	69065	21.528	ug/l #	98
73) Isopropylbenzene	12.473	105	671108	22.651	ug/l	99
74) N-amyl acetate	12.279	43	142103	23.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	137055	23.164	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	88236m	20.132	ug/l	
77) Bromobenzene	12.749	156	148635	22.274	ug/l	98
78) n-propylbenzene	12.814	91	878522	23.087	ug/l	99
79) 2-Chlorotoluene	12.896	91	504759	22.836	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	575366	22.702	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	34992	24.220	ug/l	97
82) 4-Chlorotoluene	12.996	91	528198	22.858	ug/l	100
83) tert-Butylbenzene	13.214	119	458601	22.256	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	575091	23.001	ug/l	99
85) sec-Butylbenzene	13.391	105	748468	22.976	ug/l	99
86) p-Isopropyltoluene	13.502	119	600338	22.684	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	304408	21.728	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	311099	22.279	ug/l	99
89) n-Butylbenzene	13.832	91	587454	22.492	ug/l	99
90) Hexachloroethane	14.096	117	125153	22.325	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	266334	22.026	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	20811	24.426	ug/l	91
93) 1,2,4-Trichlorobenzene	15.149	180	148800	22.808	ug/l	99
94) Hexachlorobutadiene	15.255	225	85931	21.532	ug/l	99
95) Naphthalene	15.385	128	255610	22.068	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	126885	22.490	ug/l	98

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

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