

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070216.D
 Acq On : 23 Aug 2021 12:31
 Operator : VA/SY
 Sample : VD0823SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2021 6:16:23 PM

Quant Time: Aug 24 01:30:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	445775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	805859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	761527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	361295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	280879	53.572	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.140%			
35) Dibromofluoromethane	7.908	113	274858	52.793	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.580%			
50) Toluene-d8	10.338	98	1074654	53.069	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.140%			
62) 4-Bromofluorobenzene	12.626	95	358981	53.822	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	121760	25.325	ug/l	97
3) Chloromethane	2.209	50	156162	22.874	ug/l	94
4) Vinyl Chloride	2.344	62	165362	21.919	ug/l	95
5) Bromomethane	2.750	94	110714	24.573	ug/l	96
6) Chloroethane	2.909	64	106267	22.049	ug/l	100
7) Trichlorofluoromethane	3.268	101	204361	22.553	ug/l	97
8) Diethyl Ether	3.703	74	59120	22.799	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	134839	23.391	ug/l	97
10) Methyl Iodide	4.297	142	104895	19.901	ug/l	97
11) Tert butyl alcohol	5.232	59	32072	110.671	ug/l	99
12) 1,1-Dichloroethene	4.062	96	118043	22.289	ug/l	96
13) Acrolein	3.926	56	25838	77.404	ug/l	99
14) Allyl chloride	4.714	41	171086	21.650	ug/l	98
15) Acrylonitrile	5.420	53	140515	116.860	ug/l	99
16) Acetone	4.162	43	109617	113.493	ug/l	98
17) Carbon Disulfide	4.403	76	415865	21.719	ug/l	98
18) Methyl Acetate	4.720	43	70266	24.401	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	248787	22.635	ug/l	100
20) Methylene Chloride	4.962	84	216085	29.482	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	134322	21.835	ug/l	97
22) Diisopropyl ether	6.361	45	395005	23.767	ug/l	99
23) Vinyl Acetate	6.309	43	845743	112.287	ug/l	98
24) 1,1-Dichloroethane	6.261	63	261247	22.975	ug/l	98
25) 2-Butanone	7.214	43	153463	116.280	ug/l	96
26) 2,2-Dichloropropane	7.208	77	194343	21.951	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	149034	22.813	ug/l	99
28) Bromochloromethane	7.544	49	101678	24.572	ug/l	98
29) Tetrahydrofuran	7.561	42	100638	116.453	ug/l	98
30) Chloroform	7.708	83	254773	22.783	ug/l	100
31) Cyclohexane	7.985	56	225789	21.757	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	214952	23.002	ug/l	98
36) 1,1-Dichloropropene	8.108	75	198071	22.847	ug/l	100
37) Ethyl Acetate	7.291	43	76751	24.374	ug/l	99
38) Carbon Tetrachloride	8.091	117	175493	22.298	ug/l	95
39) Methylcyclohexane	9.350	83	220643	21.859	ug/l	97
40) Benzene	8.350	78	561948	22.348	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	37186	21.843	ug/l	94
42) 1,2-Dichloroethane	8.426	62	152220	23.621	ug/l	99
43) Isopropyl Acetate	8.450	43	138556	23.569	ug/l	99
44) Trichloroethene	9.108	130	134554	22.151	ug/l	96
45) 1,2-Dichloropropane	9.385	63	152927	23.414	ug/l	93
46) Dibromomethane	9.473	93	73958	23.313	ug/l	97
47) Bromodichloromethane	9.655	83	188987	23.026	ug/l #	97
48) Methyl methacrylate	9.455	41	67486	24.073	ug/l	97
49) 1,4-Dioxane	9.455	88	16440	476.185	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	368091	120.418	ug/l	99
52) Toluene	10.402	92	347850	22.728	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	163333	22.466	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	197432	22.374	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	106113	23.608	ug/l	97
56) Ethyl methacrylate	10.655	69	116682	22.811	ug/l	98
57) 1,3-Dichloropropane	10.944	76	179478	23.065	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	291417	108.018	ug/l	99
59) 2-Hexanone	10.979	43	240556	117.508	ug/l	98
60) Dibromochloromethane	11.138	129	115161	22.365	ug/l	99
61) 1,2-Dibromoethane	11.244	107	98142	24.118	ug/l	96
64) Tetrachloroethene	10.873	164	107027	21.785	ug/l	98
65) Chlorobenzene	11.667	112	359917	22.621	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	127225	22.516	ug/l	99
67) Ethyl Benzene	11.738	91	626151	22.258	ug/l	98
68) m/p-Xylenes	11.849	106	502449	46.087	ug/l	96
69) o-Xylene	12.173	106	223749	22.746	ug/l	96
70) Styrene	12.191	104	390076	22.641	ug/l	99
71) Bromoform	12.355	173	63980	23.240	ug/l #	100
73) Isopropylbenzene	12.473	105	578258	21.948	ug/l	98
74) N-amyl acetate	12.279	43	129536	22.803	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.720	83	123383	23.470	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	80979m	22.101	ug/l	
77) Bromobenzene	12.755	156	128730	22.014	ug/l	95
78) n-propylbenzene	12.814	91	778951	22.925	ug/l	98
79) 2-Chlorotoluene	12.896	91	435393	22.272	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	510421	22.756	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	31236	22.128	ug/l	96
82) 4-Chlorotoluene	12.996	91	467796	22.854	ug/l	99
83) tert-Butylbenzene	13.214	119	397068	21.780	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	499749	22.461	ug/l	99
85) sec-Butylbenzene	13.390	105	661250	22.638	ug/l	98
86) p-Isopropyltoluene	13.508	119	525481	22.268	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	276998	22.294	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	267587	21.744	ug/l	98
89) n-Butylbenzene	13.832	91	511629	22.094	ug/l	98
90) Hexachloroethane	14.102	117	109320	21.953	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	235368	22.108	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	18701	23.816	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	128210	21.655	ug/l	98
94) Hexachlorobutadiene	15.255	225	75560	21.605	ug/l	96
95) Naphthalene	15.384	128	233383	21.659	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	115164	22.283	ug/l	97

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

