

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011022\
 Data File : VD071664.D
 Acq On : 10 Jan 2022 18:23
 Operator : VA/SY
 Sample : VD0110SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 11 04:10:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	269758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	471266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	450147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	213896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	191490	55.168	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.340%			
35) Dibromofluoromethane	7.914	113	163429	52.474	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.940%			
50) Toluene-d8	10.338	98	645817	55.394	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.780%			
62) 4-Bromofluorobenzene	12.626	95	212036	51.613	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.220%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	44598	21.505	ug/l	96
3) Chloromethane	2.215	50	60701	22.066	ug/l	97
4) Vinyl Chloride	2.356	62	67956	20.261	ug/l	97
5) Bromomethane	2.768	94	53047	23.304	ug/l	87
6) Chloroethane	2.926	64	50394	21.084	ug/l	99
7) Trichlorofluoromethane	3.279	101	93705	19.708	ug/l	91
8) Diethyl Ether	3.715	74	26457	21.157	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.109	101	59016	21.236	ug/l	100
10) Methyl Iodide	4.309	142	43924	16.531	ug/l	98
11) Tert butyl alcohol	5.203	59	28984	121.831	ug/l #	75
12) 1,1-Dichloroethene	4.073	96	49083	20.353	ug/l	88
13) Acrolein	3.926	56	28282	83.481	ug/l	96
14) Allyl chloride	4.720	41	97082	20.302	ug/l	98
15) Acrylonitrile	5.420	53	72656	109.940	ug/l	97
16) Acetone	4.162	43	74802	93.342	ug/l	99
17) Carbon Disulfide	4.415	76	121151	20.299	ug/l	99
18) Methyl Acetate	4.720	43	54622	23.512	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	129985	20.419	ug/l	99
20) Methylene Chloride	4.973	84	70324	22.277	ug/l	94
21) trans-1,2-Dichloroethene	5.479	96	58213	21.138	ug/l	89
22) Diisopropyl ether	6.367	45	214788	20.860	ug/l	97
23) Vinyl Acetate	6.309	43	494953	103.006	ug/l	98
24) 1,1-Dichloroethane	6.273	63	124864	21.245	ug/l	97
25) 2-Butanone	7.209	43	98202	103.717	ug/l	98
26) 2,2-Dichloropropane	7.214	77	99267	20.114	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	68442	21.056	ug/l	100
28) Bromochloromethane	7.550	49	59266	20.700	ug/l	100
29) Tetrahydrofuran	7.561	42	58259	106.959	ug/l	99
30) Chloroform	7.708	83	129100	21.481	ug/l	91
31) Cyclohexane	7.991	56	99574	20.912	ug/l #	97
32) 1,1,1-Trichloroethane	7.908	97	109878	20.743	ug/l	99
36) 1,1-Dichloropropene	8.114	75	89707	20.192	ug/l	100
37) Ethyl Acetate	7.291	43	42750	20.733	ug/l	98
38) Carbon Tetrachloride	8.091	117	91327	20.299	ug/l	97
39) Methylcyclohexane	9.355	83	93809	19.549	ug/l	98
40) Benzene	8.350	78	252054	20.591	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	22124m	18.140	ug/l	
42) 1,2-Dichloroethane	8.426	62	84610	20.420	ug/l	98
43) Isopropyl Acetate	8.450	43	85279	21.971	ug/l	99
44) Trichloroethene	9.114	130	63824	20.261	ug/l	97
45) 1,2-Dichloropropane	9.385	63	69324	20.950	ug/l	94
46) Dibromomethane	9.473	93	36734	21.689	ug/l	97
47) Bromodichloromethane	9.655	83	97957	21.066	ug/l	98
48) Methyl methacrylate	9.450	41	37469	19.103	ug/l	95
49) 1,4-Dioxane	9.461	88	6733	396.518	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	214487	104.617	ug/l	100
52) Toluene	10.402	92	164737	21.380	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	85291	20.909	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	101196	21.040	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	47760	21.510	ug/l	99
56) Ethyl methacrylate	10.655	69	58877	21.633	ug/l	96
57) 1,3-Dichloropropane	10.944	76	88643	21.604	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	156631	104.251	ug/l	99
59) 2-Hexanone	10.979	43	149389	104.325	ug/l	98
60) Dibromochloromethane	11.138	129	60265	21.324	ug/l	100
61) 1,2-Dibromoethane	11.238	107	45484	21.411	ug/l	95
64) Tetrachloroethene	10.873	164	54939	20.777	ug/l	94
65) Chlorobenzene	11.667	112	171183	19.873	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	63736	19.514	ug/l	97
67) Ethyl Benzene	11.738	91	313327	19.813	ug/l	98
68) m/p-Xylenes	11.849	106	234311	39.838	ug/l	100
69) o-Xylene	12.173	106	108785	19.541	ug/l	99
70) Styrene	12.191	104	187131	19.611	ug/l	97
71) Bromoform	12.355	173	33819	21.205	ug/l #	98
73) Isopropylbenzene	12.473	105	296883	19.314	ug/l	98
74) N-amyl acetate	12.279	43	77803	20.634	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	57312	21.041	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	38495m	18.625	ug/l	
77) Bromobenzene	12.749	156	67820	20.426	ug/l	98
78) n-propylbenzene	12.814	91	381981	19.759	ug/l	100
79) 2-Chlorotoluene	12.896	91	221451	20.325	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	255285	19.877	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	14180	19.127	ug/l	94
82) 4-Chlorotoluene	12.996	91	225613	19.959	ug/l	99
83) tert-Butylbenzene	13.214	119	215710	19.656	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	252247	19.861	ug/l	99
85) sec-Butylbenzene	13.391	105	333960	19.868	ug/l	99
86) p-Isopropyltoluene	13.508	119	273095	19.789	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	139361	20.338	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	136233	19.488	ug/l	98
89) n-Butylbenzene	13.832	91	265174	19.187	ug/l	99
90) Hexachloroethane	14.096	117	54818	20.077	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	121724	20.728	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	9261	21.154	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	68617	20.275	ug/l	99
94) Hexachlorobutadiene	15.249	225	38618	19.464	ug/l	99
95) Naphthalene	15.385	128	118783	19.823	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	56772	19.686	ug/l	99

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

