

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091222\
 Data File : VD074254.D
 Acq On : 12 Sep 2022 13:52
 Operator : VA/SY
 Sample : VD0912SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0912SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/13/2022
 Supervised By :Mahesh Dadoda 09/13/2022

Quant Time: Sep 13 04:41:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	114369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	187570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	170966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	84150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	59860	51.338	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.680%			
35) Dibromofluoromethane	7.799	113	63434	50.573	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.140%			
50) Toluene-d8	10.263	98	243294	52.914	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.820%			
62) 4-Bromofluorobenzene	12.563	95	79025	49.085	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	23622	24.870	ug/l	97
3) Chloromethane	2.140	50	19851	23.219	ug/l	96
4) Vinyl Chloride	2.269	62	17404	23.897	ug/l	94
5) Bromomethane	2.664	94	9842	25.661	ug/l	96
6) Chloroethane	2.816	64	9860	22.735	ug/l	95
7) Trichlorofluoromethane	3.158	101	43427	21.431	ug/l	98
8) Diethyl Ether	3.581	74	14255	21.804	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.952	101	26468	20.302	ug/l	94
10) Methyl Iodide	4.152	142	32589	20.975	ug/l	99
11) Tert butyl alcohol	5.063	59	9897	104.073	ug/l #	87
12) 1,1-Dichloroethene	3.922	96	27889	22.160	ug/l	96
13) Acrolein	3.793	56	10093	99.851	ug/l	98
14) Allyl chloride	4.558	41	42069	21.539	ug/l	99
15) Acrylonitrile	5.258	53	31920	104.722	ug/l	97
16) Acetone	4.016	43	24251	100.762	ug/l	94
17) Carbon Disulfide	4.258	76	82894	22.832	ug/l #	93
18) Methyl Acetate	4.558	43	18677	23.195	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	65127	21.363	ug/l	94
20) Methylene Chloride	4.787	84	42131	25.806	ug/l	95
21) trans-1,2-Dichloroethene	5.299	96	30532	21.505	ug/l	98
22) Diisopropyl ether	6.216	45	88712	21.403	ug/l	96
23) Vinyl Acetate	6.152	43	209668m	107.124	ug/l	
24) 1,1-Dichloroethane	6.104	63	54048	21.109	ug/l #	93
25) 2-Butanone	7.081	43	42389	105.601	ug/l	96
26) 2,2-Dichloropropane	7.069	77	44227	19.771	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	34083	21.010	ug/l	97
28) Bromochloromethane	7.416	49	13727	17.457	ug/l #	99
29) Tetrahydrofuran	7.440	42	27037	109.254	ug/l	97
30) Chloroform	7.593	83	54105	21.290	ug/l	91
31) Cyclohexane	7.869	56	50812	21.087	ug/l	97
32) 1,1,1-Trichloroethane	7.787	97	47108	21.126	ug/l	99
36) 1,1-Dichloropropene	8.004	75	42997	21.179	ug/l	99
37) Ethyl Acetate	7.169	43	19474	22.119	ug/l	97
38) Carbon Tetrachloride	7.987	117	38981	21.222	ug/l	98
39) Methylcyclohexane	9.269	83	52119	20.738	ug/l	97
40) Benzene	8.246	78	122091	21.730	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	10716	21.853	ug/l	94
42) 1,2-Dichloroethane	8.322	62	32825	22.107	ug/l	99
43) Isopropyl Acetate	8.357	43	36767	21.620	ug/l	99
44) Trichloroethene	9.022	130	32958	21.133	ug/l	100
45) 1,2-Dichloropropane	9.298	63	31477	21.556	ug/l	93
46) Dibromomethane	9.393	93	16039	21.155	ug/l	98
47) Bromodichloromethane	9.581	83	40946	21.467	ug/l #	96
48) Methyl methacrylate	9.375	41	16843	20.970	ug/l	97
49) 1,4-Dioxane	9.375	88	3955	440.520	ug/l #	94
51) 4-Methyl-2-Pentanone	10.151	43	93353	108.612	ug/l	100
52) Toluene	10.328	92	76790	21.308	ug/l	99
53) t-1,3-Dichloropropene	10.545	75	37925	21.093	ug/l	97
54) cis-1,3-Dichloropropene	10.010	75	46337	20.917	ug/l	97
55) 1,1,2-Trichloroethane	10.728	97	22841	21.794	ug/l	97
56) Ethyl methacrylate	10.592	69	29758	21.370	ug/l	97
57) 1,3-Dichloropropane	10.869	76	39476	21.343	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.863	63	32531	121.661	ug/l	99
59) 2-Hexanone	10.916	43	63131	108.164	ug/l	97
60) Dibromochloromethane	11.063	129	27177	21.294	ug/l	100
61) 1,2-Dibromoethane	11.169	107	20975	21.027	ug/l	95
64) Tetrachloroethene	10.804	164	28117	21.509	ug/l	92
65) Chlorobenzene	11.598	112	84279	21.928	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.669	131	29224	21.230	ug/l	99
67) Ethyl Benzene	11.675	91	149277	20.792	ug/l	100
68) m/p-Xylenes	11.787	106	115242	42.293	ug/l	100
69) o-Xylene	12.110	106	54667	21.229	ug/l	99
70) Styrene	12.122	104	91966	21.412	ug/l	98
71) Bromoform	12.287	173	16426	21.434	ug/l #	99
73) Isopropylbenzene	12.410	105	146029	20.511	ug/l	100
74) N-amyl acetate	12.222	43	35192	20.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.663	83	27847	21.481	ug/l	98
76) 1,2,3-Trichloropropane	12.710	75	16928m	19.623	ug/l	
77) Bromobenzene	12.687	156	33626	21.522	ug/l	94
78) n-propylbenzene	12.751	91	178504	20.446	ug/l	99
79) 2-Chlorotoluene	12.834	91	96828	20.503	ug/l	99
80) 1,3,5-Trimethylbenzene	12.892	105	120430	20.416	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.457	75	6739	19.261	ug/l #	100
82) 4-Chlorotoluene	12.934	91	100932	20.992	ug/l	99
83) tert-Butylbenzene	13.151	119	107505	20.823	ug/l	99
84) 1,2,4-Trimethylbenzene	13.198	105	119693	20.902	ug/l	100
85) sec-Butylbenzene	13.328	105	157362	20.120	ug/l	99
86) p-Isopropyltoluene	13.445	119	130159	20.375	ug/l	99
87) 1,3-Dichlorobenzene	13.445	146	66748	20.948	ug/l	99
88) 1,4-Dichlorobenzene	13.522	146	65345	20.854	ug/l	99
89) n-Butylbenzene	13.769	91	127728	20.462	ug/l	99
90) Hexachloroethane	14.039	117	24657	21.100	ug/l	99
91) 1,2-Dichlorobenzene	13.816	146	58033	20.942	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.433	75	4051	22.238	ug/l	92
93) 1,2,4-Trichlorobenzene	15.081	180	38470	20.083	ug/l	98
94) Hexachlorobutadiene	15.186	225	22284	20.358	ug/l	97
95) Naphthalene	15.310	128	73030	20.404	ug/l	99
96) 1,2,3-Trichlorobenzene	15.504	180	33211	20.196	ug/l	100

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

