

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062222\
 Data File : VD073653.D
 Acq On : 22 Jun 2022 14:28
 Operator : VA/SY
 Sample : N3214-01 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

Quant Time: Jun 23 09:55:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 23 09:55:20 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/23/2022
 Supervised By :Semsettin Yesilyurt 06/23/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	217732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	375138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	352061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	168497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	130573	52.120	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.240%			
35) Dibromofluoromethane	7.908	113	134358	49.371	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.740%			
50) Toluene-d8	10.332	98	456794	46.897	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.800%			
62) 4-Bromofluorobenzene	12.620	95	167410	46.866	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	6918	3.299	ug/l	92
3) Chloromethane	2.209	50	5547	2.915	ug/l #	81
4) Vinyl Chloride	2.350	62	4934	2.750	ug/l	99
5) Bromomethane	2.761	94	4608	3.291	ug/l #	79
6) Chloroethane	2.920	64	4346	3.744	ug/l	88
7) Trichlorofluoromethane	3.267	101	12811	3.083	ug/l	88
8) Diethyl Ether	3.708	74	2427	2.239	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.103	101	7546	3.143	ug/l #	68
10) Methyl Iodide	4.291	142	6945	2.987	ug/l	96
11) Tert butyl alcohol	5.179	59	24192	87.436	ug/l #	77
12) 1,1-Dichloroethene	4.055	96	5743	2.737	ug/l	92
13) Acrolein	3.914	56	251m	3.293	ug/l	
14) Allyl chloride	4.720	41	8257	2.735	ug/l	96
15) Acrylonitrile	5.414	53	6517	13.250	ug/l #	88
16) Acetone	4.155	43	8292	20.820	ug/l	99
17) Carbon Disulfide	4.397	76	15231	2.518	ug/l #	94
18) Methyl Acetate	4.720	43	5573	4.373	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	13023	2.623	ug/l #	87
20) Methylene Chloride	4.950	84	25387	7.961	ug/l #	93
21) trans-1,2-Dichloroethene	5.461	96	7032	2.818	ug/l	96
22) Diisopropyl ether	6.355	45	15377	2.270	ug/l #	87
23) Vinyl Acetate	6.297	43	34443m	9.723	ug/l	
24) 1,1-Dichloroethane	6.250	63	13203	2.911	ug/l	97
25) 2-Butanone	7.202	43	8926	15.396	ug/l	94
26) 2,2-Dichloropropane	7.202	77	13851	3.323	ug/l	92
27) cis-1,2-Dichloroethene	7.202	96	7067	2.455	ug/l	79
28) Bromochloromethane	7.538	49	5190	3.055	ug/l #	94
29) Tetrahydrofuran	7.555	42	4316	12.003	ug/l #	88
30) Chloroform	7.696	83	14021	2.730	ug/l	88
31) Cyclohexane	7.973	56	13505	3.543	ug/l #	68
32) 1,1,1-Trichloroethane	7.891	97	13057	2.857	ug/l	98
36) 1,1-Dichloropropene	8.108	75	10784	2.829	ug/l	90
37) Ethyl Acetate	7.291	43	4426	3.018	ug/l #	91
38) Carbon Tetrachloride	8.091	117	11647	2.690	ug/l	99
39) Methylcyclohexane	9.349	83	10657	2.523	ug/l	95
40) Benzene	8.344	78	28428	2.578	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	2039m	2.512	ug/l	
42) 1,2-Dichloroethane	8.414	62	8527	2.589	ug/l	90
43) Isopropyl Acetate	8.444	43	7180	2.600	ug/l #	95
44) Trichloroethene	9.108	130	8329	2.652	ug/l	86
45) 1,2-Dichloropropane	9.373	63	6964	2.513	ug/l #	83
46) Dibromomethane	9.461	93	3793	2.411	ug/l	97
47) Bromodichloromethane	9.655	83	9636	2.353	ug/l #	83
48) Methyl methacrylate	9.449	41	2702m	1.933	ug/l	
49) 1,4-Dioxane	9.449	88	904	51.844	ug/l #	73
51) 4-Methyl-2-Pentanone	10.220	43	16631	11.732	ug/l	99
52) Toluene	10.396	92	18637	2.586	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	8824	2.353	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	10124	2.309	ug/l	93
55) 1,1,2-Trichloroethane	10.790	97	5126	2.307	ug/l #	85
56) Ethyl methacrylate	10.649	69	5099	2.080	ug/l	95
57) 1,3-Dichloropropane	10.932	76	8987	2.456	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.938	63	12776	12.956	ug/l	100
59) 2-Hexanone	10.973	43	10899	11.149	ug/l	87
60) Dibromochloromethane	11.126	129	7578	2.616	ug/l	92
61) 1,2-Dibromoethane	11.243	107	5224	2.454	ug/l	94
64) Tetrachloroethene	10.867	164	7773	2.983	ug/l #	88
65) Chlorobenzene	11.661	112	20826	2.649	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	7283	2.391	ug/l	93
67) Ethyl Benzene	11.737	91	33025	2.471	ug/l	97
68) m/p-Xylenes	11.843	106	24417	4.639	ug/l	95
69) o-Xylene	12.167	106	10421	2.124	ug/l	95
70) Styrene	12.184	104	18139	2.156	ug/l	98
71) Bromoform	12.349	173	3953	2.383	ug/l #	93
73) Isopropylbenzene	12.467	105	28981	2.384	ug/l	100
74) N-amyl acetate	12.279	43	4951	2.015	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	5889	2.576	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	4193m	2.571	ug/l	
77) Bromobenzene	12.749	156	8158	2.757	ug/l	99
78) n-propylbenzene	12.808	91	37968	2.550	ug/l	98
79) 2-Chlorotoluene	12.896	91	23252	2.662	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	25236	2.430	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.520	75	1635m	2.314	ug/l	
82) 4-Chlorotoluene	12.996	91	22958	2.463	ug/l	97
83) tert-Butylbenzene	13.208	119	22247	2.475	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	23246	2.270	ug/l	98
85) sec-Butylbenzene	13.390	105	31764	2.377	ug/l	98
86) p-Isopropyltoluene	13.502	119	25488	2.309	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	17968	2.944	ug/l	96
88) 1,4-Dichlorobenzene	13.584	146	17847	2.950	ug/l	88
89) n-Butylbenzene	13.826	91	25120	2.420	ug/l	98
90) Hexachloroethane	14.096	117	6225	2.640	ug/l	94
91) 1,2-Dichlorobenzene	13.873	146	13852	2.631	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.490	75	839	2.350	ug/l	69
93) 1,2,4-Trichlorobenzene	15.143	180	8837	2.881	ug/l	94
94) Hexachlorobutadiene	15.249	225	4904	2.821	ug/l	98
95) Naphthalene	15.378	128	13107	2.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	7127	2.671	ug/l	94

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

