

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062222\
 Data File : VD073654.D
 Acq On : 22 Jun 2022 14:56
 Operator : VA/SY
 Sample : N3214-01 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jun 23 09:56:12 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	216031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	357816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	340586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	167045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	128469	51.684	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.360%			
35) Dibromofluoromethane	7.908	113	136681	52.656	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.320%			
50) Toluene-d8	10.332	98	453990	48.865	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.720%			
62) 4-Bromofluorobenzene	12.620	95	165328	48.524	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	10434	5.014	ug/l	87
3) Chloromethane	2.208	50	8910	4.720	ug/l	90
4) Vinyl Chloride	2.350	62	8508	4.780	ug/l	98
5) Bromomethane	2.773	94	6992	5.033	ug/l	93
6) Chloroethane	2.914	64	5639	4.896	ug/l	90
7) Trichlorofluoromethane	3.267	101	18921	4.589	ug/l	95
8) Diethyl Ether	3.708	74	4225	3.928	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	11932	5.010	ug/l	94
10) Methyl Iodide	4.302	142	9320	4.039	ug/l	98
11) Tert butyl alcohol	5.185	59	13441	48.962	ug/l #	79
12) 1,1-Dichloroethene	4.061	96	9307	4.470	ug/l	95
13) Acrolein	3.932	56	820m	10.842	ug/l	
14) Allyl chloride	4.708	41	12496	4.171	ug/l	98
15) Acrylonitrile	5.414	53	10992	22.525	ug/l	98
16) Acetone	4.149	43	9866	24.967	ug/l	98
17) Carbon Disulfide	4.408	76	23990	3.997	ug/l	95
18) Methyl Acetate	4.720	43	8463	6.692	ug/l #	67
19) Methyl tert-butyl Ether	5.479	73	21321	4.328	ug/l	99
20) Methylene Chloride	4.967	84	30980	9.792	ug/l	93
21) trans-1,2-Dichloroethene	5.461	96	11232	4.537	ug/l #	78
22) Diisopropyl ether	6.355	45	25894	3.852	ug/l #	97
23) Vinyl Acetate	6.296	43	54503	15.506	ug/l	98
24) 1,1-Dichloroethane	6.261	63	18522	4.115	ug/l #	94
25) 2-Butanone	7.202	43	12796	22.244	ug/l	96
26) 2,2-Dichloropropane	7.202	77	19075	4.613	ug/l	96
27) cis-1,2-Dichloroethene	7.202	96	11383	3.986	ug/l	91
28) Bromochloromethane	7.532	49	7670	4.550	ug/l	98
29) Tetrahydrofuran	7.561	42	6407	17.959	ug/l #	77
30) Chloroform	7.702	83	21702	4.259	ug/l	94
31) Cyclohexane	7.979	56	19222	5.083	ug/l #	86
32) 1,1,1-Trichloroethane	7.896	97	19931	4.396	ug/l	97
36) 1,1-Dichloropropene	8.108	75	16248	4.469	ug/l	95
37) Ethyl Acetate	7.279	43	5178m	3.701	ug/l	
38) Carbon Tetrachloride	8.096	117	17517	4.242	ug/l	93
39) Methylcyclohexane	9.343	83	15046	3.735	ug/l	90
40) Benzene	8.349	78	43476	4.134	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	4302	5.555	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	13815	4.397	ug/l	100
43) Isopropyl Acetate	8.443	43	10986	4.172	ug/l	93
44) Trichloroethene	9.108	130	13203	4.408	ug/l	82
45) 1,2-Dichloropropane	9.379	63	11460	4.336	ug/l	93
46) Dibromomethane	9.461	93	6171	4.112	ug/l	95
47) Bromodichloromethane	9.649	83	16404	4.200	ug/l	91
48) Methyl methacrylate	9.455	41	5372	4.030	ug/l	93
49) 1,4-Dioxane	9.467	88	1256	75.519	ug/l #	78
51) 4-Methyl-2-Pentanone	10.220	43	26827	19.841	ug/l	97
52) Toluene	10.396	92	29197	4.247	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	14064	3.932	ug/l	93
54) cis-1,3-Dichloropropene	10.079	75	15687	3.751	ug/l	95
55) 1,1,2-Trichloroethane	10.796	97	8657	4.085	ug/l	96
56) Ethyl methacrylate	10.655	69	8719	3.728	ug/l	95
57) 1,3-Dichloropropane	10.937	76	14721	4.217	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	19972	21.234	ug/l	93
59) 2-Hexanone	10.979	43	16525	17.723	ug/l	91
60) Dibromochloromethane	11.131	129	11856	4.291	ug/l	93
61) 1,2-Dibromoethane	11.237	107	8638	4.254	ug/l	100
64) Tetrachloroethene	10.867	164	12771	5.065	ug/l	96
65) Chlorobenzene	11.661	112	32819	4.315	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.731	131	12326	4.182	ug/l	94
67) Ethyl Benzene	11.737	91	50942	3.940	ug/l	99
68) m/p-Xylenes	11.843	106	39575	7.772	ug/l	96
69) o-Xylene	12.167	106	17778	3.746	ug/l	97
70) Styrene	12.184	104	29599	3.637	ug/l	98
71) Bromoform	12.343	173	7205	4.490	ug/l #	99
73) Isopropylbenzene	12.467	105	46283	3.840	ug/l	99
74) N-amyl acetate	12.278	43	9104	3.737	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	9640	4.253	ug/l	90
76) 1,2,3-Trichloropropane	12.767	75	7962m	4.925	ug/l	
77) Bromobenzene	12.755	156	13095	4.464	ug/l	95
78) n-propylbenzene	12.808	91	61222	4.147	ug/l	100
79) 2-Chlorotoluene	12.896	91	37205	4.297	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	40505	3.935	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	3032	4.328	ug/l	96
82) 4-Chlorotoluene	12.990	91	39737	4.299	ug/l	99
83) tert-Butylbenzene	13.208	119	35754	4.012	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	40932	4.031	ug/l	97
85) sec-Butylbenzene	13.390	105	53229	4.017	ug/l	97
86) p-Isopropyltoluene	13.502	119	42708	3.902	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	26956	4.455	ug/l	98
88) 1,4-Dichlorobenzene	13.578	146	27790	4.634	ug/l	91
89) n-Butylbenzene	13.831	91	42049	4.086	ug/l	97
90) Hexachloroethane	14.096	117	10433	4.463	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	23065	4.418	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.490	75	1674	4.729	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	12910	4.245	ug/l	97
94) Hexachlorobutadiene	15.249	225	8393	4.870	ug/l	97
95) Naphthalene	15.378	128	20892	3.954	ug/l	97
96) 1,2,3-Trichlorobenzene	15.578	180	11461	4.332	ug/l	95

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

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