

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082422\
 Data File : VD074217.D
 Acq On : 24 Aug 2022 12:13
 Operator : VA/SY
 Sample : N3980-01 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Aug 25 06:54:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 25 06:53:57 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/25/2022
 Supervised By :Mahesh Dadoda 08/25/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	136946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	228961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	216631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	109035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	70612	50.460	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.920%	
35) Dibromofluoromethane	7.908	113	80078	52.288	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.580%	
50) Toluene-d8	10.331	98	233084	47.289	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.580%	
62) 4-Bromofluorobenzene	12.620	95	94884	48.728	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.460%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	5302	4.614	ug/l	89
3) Chloromethane	2.208	50	2670	3.261	ug/l #	75
4) Vinyl Chloride	2.344	62	2854	3.320	ug/l	90
5) Bromomethane	2.767	94	2263	4.077	ug/l	84
6) Chloroethane	2.914	64	1952	3.499	ug/l #	88
7) Trichlorofluoromethane	3.267	101	8259	3.307	ug/l	100
8) Diethyl Ether	3.708	74	1892	2.820	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	4839	3.203	ug/l #	45
10) Methyl Iodide	4.291	142	3382	2.041	ug/l #	69
11) Tert butyl alcohol	5.220	59	1748m	20.059	ug/l	
12) 1,1-Dichloroethene	4.067	96	3997m	2.958	ug/l	
13) Acrolein	3.926	56	617m	15.083	ug/l	
14) Allyl chloride	4.702	41	6048	2.859	ug/l	96
15) Acrylonitrile	5.408	53	4208	13.487	ug/l #	88
16) Acetone	4.173	43	4513m	16.927	ug/l	
17) Carbon Disulfide	4.402	76	10181	2.574	ug/l #	95
18) Methyl Acetate	4.726	43	3534	4.205	ug/l #	85
19) Methyl tert-butyl Ether	5.485	73	8455	2.613	ug/l	97
20) Methylene Chloride	4.949	84	19920	9.539	ug/l #	82
21) trans-1,2-Dichloroethene	5.473	96	4436	2.808	ug/l	81
22) Diisopropyl ether	6.367	45	10799	2.489	ug/l #	92
23) Vinyl Acetate	6.302	43	22601m	10.192	ug/l	
24) 1,1-Dichloroethane	6.255	63	8526	2.981	ug/l #	95
25) 2-Butanone	7.202	43	6165	14.937	ug/l #	77
26) 2,2-Dichloropropane	7.202	77	8139	3.158	ug/l #	54
27) cis-1,2-Dichloroethene	7.190	96	5045	2.841	ug/l	97
28) Bromochloromethane	7.532	49	2731	3.159	ug/l #	75
29) Tetrahydrofuran	7.555	42	3559	14.289	ug/l #	92
30) Chloroform	7.702	83	9190	3.047	ug/l	85
31) Cyclohexane	7.973	56	8410	3.376	ug/l #	51
32) 1,1,1-Trichloroethane	7.896	97	8457	3.026	ug/l	89
36) 1,1-Dichloropropene	8.114	75	6441	2.783	ug/l	95
37) Ethyl Acetate	7.296	43	2978	3.263	ug/l #	74
38) Carbon Tetrachloride	8.090	117	6705	2.697	ug/l	98
39) Methylcyclohexane	9.355	83	7230	2.737	ug/l #	86
40) Benzene	8.343	78	17239	2.642	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	1299m	2.368	ug/l	
42) 1,2-Dichloroethane	8.408	62	5202	2.705	ug/l	96
43) Isopropyl Acetate	8.443	43	4385	2.389	ug/l #	84
44) Trichloroethene	9.108	130	5650	2.987	ug/l	83
45) 1,2-Dichloropropane	9.379	63	4816	2.957	ug/l #	82
46) Dibromomethane	9.473	93	2395	2.636	ug/l	96
47) Bromodichloromethane	9.649	83	6451	2.730	ug/l	96
48) Methyl methacrylate	9.449	41	1951	2.299	ug/l #	86
49) 1,4-Dioxane	9.461	88	370	35.885	ug/l #	44
51) 4-Methyl-2-Pentanone	10.220	43	10268	11.195	ug/l	91
52) Toluene	10.390	92	11737	2.736	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	5322	2.483	ug/l #	88
54) cis-1,3-Dichloropropene	10.079	75	6101	2.401	ug/l	97
55) 1,1,2-Trichloroethane	10.790	97	3392	2.729	ug/l #	86
56) Ethyl methacrylate	10.655	69	3170	2.233	ug/l #	83
57) 1,3-Dichloropropane	10.931	76	6043	2.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	5032	11.709	ug/l #	87
59) 2-Hexanone	10.978	43	7291	11.790	ug/l	96
60) Dibromochloromethane	11.137	129	4711	2.919	ug/l	91
61) 1,2-Dibromoethane	11.231	107	3117	2.571	ug/l	98
64) Tetrachloroethene	10.867	164	5301	3.353	ug/l #	89
65) Chlorobenzene	11.655	112	13548	2.870	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.726	131	4940	2.783	ug/l	97
67) Ethyl Benzene	11.737	91	19992	2.474	ug/l	92
68) m/p-Xylenes	11.843	106	15291	4.751	ug/l	93
69) o-Xylene	12.167	106	7034	2.369	ug/l	93
70) Styrene	12.178	104	11653	2.289	ug/l	96
71) Bromoform	12.343	173	2511	2.601	ug/l #	92
73) Isopropylbenzene	12.467	105	18565	2.352	ug/l	99
74) N-amyl acetate	12.278	43	3673	2.139	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.720	83	3722	2.640	ug/l	86
76) 1,2,3-Trichloropropane	12.767	75	3640m	3.419	ug/l	
77) Bromobenzene	12.743	156	5320	2.844	ug/l	91
78) n-propylbenzene	12.808	91	24765	2.565	ug/l	98
79) 2-Chlorotoluene	12.896	91	14406	2.584	ug/l	98
80) 1,3,5-Trimethylbenzene	12.943	105	16509	2.434	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.514	75	922m	2.227	ug/l	
82) 4-Chlorotoluene	12.990	91	15020	2.547	ug/l	98
83) tert-Butylbenzene	13.208	119	13674	2.393	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	15152	2.295	ug/l	99
85) sec-Butylbenzene	13.384	105	21532	2.493	ug/l	99
86) p-Isopropyltoluene	13.496	119	15873	2.228	ug/l	98
87) 1,3-Dichlorobenzene	13.496	146	10919	2.886	ug/l	97
88) 1,4-Dichlorobenzene	13.578	146	11333	2.973	ug/l	88
89) n-Butylbenzene	13.825	91	17145	2.539	ug/l	94
90) Hexachloroethane	14.090	117	4368	3.022	ug/l	96
91) 1,2-Dichlorobenzene	13.872	146	8932	2.715	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.484	75	757	3.279	ug/l	88
93) 1,2,4-Trichlorobenzene	15.137	180	5375	2.677	ug/l	97
94) Hexachlorobutadiene	15.243	225	2992	2.655	ug/l	97
95) Naphthalene	15.372	128	8937	2.460	ug/l	96
96) 1,2,3-Trichlorobenzene	15.578	180	4315	2.464	ug/l	94

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

