

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076749.D
 Acq On : 17 Jul 2023 12:41
 Operator : KP/SY
 Sample : 03572-01 2.5ppb
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Jul 18 02:08:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 18 02:08:17 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	201195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	371102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	330759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	93959	46.887	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.780%		
35) Dibromofluoromethane	7.804	113	114684	49.178	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.360%		
50) Toluene-d8	10.269	98	388444	46.562	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.120%		
62) 4-Bromofluorobenzene	12.575	95	119986	44.459	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4014	2.551	ug/l	94
3) Chloromethane	2.146	50	6376	2.349	ug/l	92
4) Vinyl Chloride	2.281	62	8716	2.409	ug/l	92
5) Bromomethane	2.687	94	8222	2.762	ug/l	96
6) Chloroethane	2.834	64	5912	2.164	ug/l	93
7) Trichlorofluoromethane	3.175	101	7138	2.217	ug/l	96
8) Diethyl Ether	3.587	74	2303	2.078	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.952	101	5206	2.460	ug/l	94
10) Methyl Iodide	4.152	142	4911	2.059	ug/l #	84
11) Tert butyl alcohol	5.046	59	2329m	15.575	ug/l	
12) 1,1-Dichloroethene	3.934	96	4337	2.181	ug/l	81
13) Acrolein	3.799	56	1173	11.511	ug/l #	72
14) Allyl chloride	4.546	41	6071	2.325	ug/l #	91
15) Acrylonitrile	5.263	53	4436	8.149	ug/l #	60
16) Acetone	4.022	43	5638	11.780	ug/l #	86
17) Carbon Disulfide	4.263	76	11252	2.423	ug/l #	85
18) Methyl Acetate	4.558	43	3894	2.166	ug/l #	53
19) Methyl tert-butyl Ether	5.322	73	10603	1.989	ug/l #	82
20) Methylene Chloride	4.799	84	9654	2.439	ug/l #	82
21) trans-1,2-Dichloroethene	5.316	96	5125	2.218	ug/l #	77
22) Diisopropyl ether	6.216	45	11684	1.889	ug/l #	90
23) Vinyl Acetate	6.152	43	26709	8.728	ug/l	95
24) 1,1-Dichloroethane	6.099	63	9926	2.380	ug/l #	89
25) 2-Butanone	7.093	43	10224	15.962	ug/l #	84
26) 2,2-Dichloropropane	7.069	77	13149	3.658	ug/l #	72
27) cis-1,2-Dichloroethene	7.081	96	6622	2.324	ug/l	68
28) Bromochloromethane	7.422	49	2709	2.599	ug/l #	87
29) Tetrahydrofuran	7.451	42	3438	9.085	ug/l	98
30) Chloroform	7.593	83	10653	2.333	ug/l	88
31) Cyclohexane	7.869	56	10287	3.488	ug/l #	72
32) 1,1,1-Trichloroethane	7.787	97	8304	2.254	ug/l	95
36) 1,1-Dichloropropene	8.010	75	6918	2.270	ug/l	96
37) Ethyl Acetate	7.163	43	2246	1.648	ug/l #	65
38) Carbon Tetrachloride	7.993	117	6043	2.071	ug/l #	77
39) Methylcyclohexane	9.281	83	7731	2.197	ug/l #	75
40) Benzene	8.246	78	21356	2.221	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	2084m	2.504	ug/l	
42) 1,2-Dichloroethane	8.322	62	5802	2.322	ug/l	95
43) Isopropyl Acetate	8.363	43	4963	1.866	ug/l #	65
44) Trichloroethene	9.028	130	5690	2.172	ug/l	92
45) 1,2-Dichloropropane	9.304	63	5246	2.114	ug/l	93
46) Dibromomethane	9.398	93	3532	2.431	ug/l #	81
47) Bromodichloromethane	9.587	83	8250	2.263	ug/l #	85
48) Methyl methacrylate	9.381	41	2502	2.067	ug/l #	77
49) 1,4-Dioxane	9.381	88	844	45.343	ug/l #	51
51) 4-Methyl-2-Pentanone	10.163	43	13929	9.836	ug/l	92
52) Toluene	10.334	92	12923	2.046	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	7045	2.082	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	8289	2.078	ug/l #	87
55) 1,1,2-Trichloroethane	10.734	97	4136	1.950	ug/l	91
56) Ethyl methacrylate	10.598	69	4383	1.790	ug/l #	76
57) 1,3-Dichloropropane	10.881	76	7416	2.147	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	8149	8.598	ug/l	95
59) 2-Hexanone	10.916	43	9566	9.467	ug/l	91
60) Dibromochloromethane	11.075	129	5327	2.161	ug/l	95
61) 1,2-Dibromoethane	11.175	107	4070	2.069	ug/l	92
64) Tetrachloroethene	10.804	164	4604	2.441	ug/l	94
65) Chlorobenzene	11.610	112	16324	2.454	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.675	131	5501	2.221	ug/l	99
67) Ethyl Benzene	11.681	91	24888	2.130	ug/l	99
68) m/p-Xylenes	11.792	106	18174	4.051	ug/l	87
69) o-Xylene	12.116	106	8550	1.971	ug/l	84
70) Styrene	12.139	104	15106	1.989	ug/l	96
71) Bromoform	12.298	173	2827	2.084	ug/l #	99
73) Isopropylbenzene	12.422	105	23573	2.211	ug/l	99
74) N-amyl acetate	12.228	43	3990	1.776	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	5240	2.289	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	3972m	2.842	ug/l	
77) Bromobenzene	12.698	156	5626	2.286	ug/l	91
78) n-propylbenzene	12.763	91	29200	2.259	ug/l	96
79) 2-Chlorotoluene	12.851	91	15577	2.198	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	19111	2.216	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	1334m	2.031	ug/l	
82) 4-Chlorotoluene	12.945	91	15406	2.080	ug/l	98
83) tert-Butylbenzene	13.163	119	15653	2.062	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	18915	2.147	ug/l	94
85) sec-Butylbenzene	13.339	105	24447	2.108	ug/l	95
86) p-Isopropyltoluene	13.457	119	19796	2.067	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	12118	2.394	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	12691m	2.559	ug/l	
89) n-Butylbenzene	13.781	91	19479	2.078	ug/l	97
90) Hexachloroethane	14.051	117	4042	2.282	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	10865	2.436	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.439	75	915	2.803	ug/l	88
93) 1,2,4-Trichlorobenzene	15.098	180	7077	2.598	ug/l	96
94) Hexachlorobutadiene	15.204	225	3064	2.339	ug/l	97
95) Naphthalene	15.333	128	14018	2.377	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.516	180	6143	2.513	ug/l	98

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

