

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076771.D
 Acq On : 18 Jul 2023 12:00
 Operator : KP/SY
 Sample : 03572-03
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Jul 19 08:16:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 19 08:14:54 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	174424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	315832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	281712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	126990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82845	47.686	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.380%		
35) Dibromofluoromethane	7.810	113	98447	49.603	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.200%		
50) Toluene-d8	10.269	98	326707	46.015	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.020%		
62) 4-Bromofluorobenzene	12.575	95	105059	45.740	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	6964	5.106	ug/l	95
3) Chloromethane	2.146	50	10856	4.614	ug/l	98
4) Vinyl Chloride	2.275	62	15822	5.045	ug/l #	86
5) Bromomethane	2.687	94	13958	5.409	ug/l	99
6) Chloroethane	2.828	64	11609	4.902	ug/l	98
7) Trichlorofluoromethane	3.170	101	13972	5.006	ug/l	91
8) Diethyl Ether	3.599	74	4354	4.531	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.958	101	9581	5.223	ug/l	97
10) Methyl Iodide	4.158	142	8487	4.104	ug/l	91
11) Tert butyl alcohol	5.046	59	3208m	24.745	ug/l	
12) 1,1-Dichloroethene	3.934	96	8878	5.151	ug/l #	91
13) Acrolein	3.781	56	1849	20.929	ug/l	88
14) Allyl chloride	4.552	41	10082	4.453	ug/l	93
15) Acrylonitrile	5.246	53	9430	19.981	ug/l #	88
16) Acetone	4.022	43	8630	20.800	ug/l #	81
17) Carbon Disulfide	4.264	76	17227	4.279	ug/l	98
18) Methyl Acetate	4.569	43	6902	4.428	ug/l #	42
19) Methyl tert-butyl Ether	5.316	73	19581	4.236	ug/l	91
20) Methylene Chloride	4.805	84	22463	6.546	ug/l #	96
21) trans-1,2-Dichloroethene	5.305	96	8999	4.492	ug/l	83
22) Diisopropyl ether	6.216	45	22621	4.219	ug/l	96
23) Vinyl Acetate	6.158	43	54184	20.425	ug/l #	84
24) 1,1-Dichloroethane	6.105	63	17596	4.868	ug/l	96
25) 2-Butanone	7.075	43	14427	25.981	ug/l	88
26) 2,2-Dichloropropane	7.081	77	18174	5.832	ug/l	81
27) cis-1,2-Dichloroethene	7.069	96	11144	4.512	ug/l	83
28) Bromochloromethane	7.422	49	3638	4.025	ug/l #	81
29) Tetrahydrofuran	7.440	42	6458	19.684	ug/l	98
30) Chloroform	7.593	83	18578	4.692	ug/l	86
31) Cyclohexane	7.881	56	14884	5.821	ug/l #	93
32) 1,1,1-Trichloroethane	7.799	97	16297	5.102	ug/l	97
36) 1,1-Dichloropropene	7.999	75	13362	5.152	ug/l	92
37) Ethyl Acetate	7.169	43	5359	4.621	ug/l #	92
38) Carbon Tetrachloride	7.987	117	10816	4.355	ug/l	99
39) Methylcyclohexane	9.269	83	13964	4.663	ug/l	98
40) Benzene	8.246	78	38688	4.728	ug/l	98

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41) Methacrylonitrile	7.405	41	3175	4.483	ug/l #	76
42) 1,2-Dichloroethane	8.322	62	9703	4.564	ug/l	97
43) Isopropyl Acetate	8.357	43	9372	4.140	ug/l #	76
44) Trichloroethene	9.022	130	10881	4.880	ug/l	83
45) 1,2-Dichloropropane	9.299	63	10224	4.840	ug/l	99
46) Dibromomethane	9.399	93	6086	4.922	ug/l	84
47) Bromodichloromethane	9.581	83	15112	4.870	ug/l #	97
48) Methyl methacrylate	9.381	41	3861	3.748	ug/l #	75
49) 1,4-Dioxane	9.381	88	1383	87.303	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	25155	20.873	ug/l	92
52) Toluene	10.334	92	24950	4.642	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	12087	4.197	ug/l	90
54) cis-1,3-Dichloropropene	10.022	75	14988	4.416	ug/l	95
55) 1,1,2-Trichloroethane	10.740	97	8282	4.587	ug/l #	89
56) Ethyl methacrylate	10.599	69	8630	4.141	ug/l #	87
57) 1,3-Dichloropropane	10.875	76	12013	4.086	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	16268	20.168	ug/l	96
59) 2-Hexanone	10.922	43	16395	19.065	ug/l	90
60) Dibromochloromethane	11.075	129	9193	4.383	ug/l	97
61) 1,2-Dibromoethane	11.181	107	7840	4.684	ug/l	92
64) Tetrachloroethene	10.804	164	8160	5.080	ug/l	93
65) Chlorobenzene	11.610	112	26817	4.733	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.687	131	9885	4.686	ug/l	97
67) Ethyl Benzene	11.681	91	44138	4.436	ug/l	98
68) m/p-Xylenes	11.793	106	32737	8.567	ug/l	86
69) o-Xylene	12.122	106	15516	4.199	ug/l	86
70) Styrene	12.134	104	25430	3.931	ug/l	90
71) Bromoform	12.304	173	4973	4.305	ug/l #	96
73) Isopropylbenzene	12.422	105	42747	4.640	ug/l	96
74) N-amyl acetate	12.234	43	8135	4.191	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	9540	4.823	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	7081m	5.863	ug/l	
77) Bromobenzene	12.698	156	9954	4.681	ug/l	84
78) n-propylbenzene	12.763	91	56051	5.018	ug/l	94
79) 2-Chlorotoluene	12.845	91	28805	4.703	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	33867	4.546	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	2338	4.120	ug/l	94
82) 4-Chlorotoluene	12.945	91	29941	4.680	ug/l	97
83) tert-Butylbenzene	13.169	119	30836	4.701	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	33988	4.464	ug/l	97
85) sec-Butylbenzene	13.345	105	46933	4.683	ug/l	95
86) p-Isopropyltoluene	13.457	119	37337	4.511	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	20744	4.742	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	21139	4.933	ug/l	92
89) n-Butylbenzene	13.787	91	37210	4.594	ug/l	97
90) Hexachloroethane	14.051	117	7631	4.987	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	18761	4.867	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.434	75	1465	5.194	ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	10556	4.486	ug/l	98
94) Hexachlorobutadiene	15.204	225	5626	4.971	ug/l	95
95) Naphthalene	15.334	128	21122	4.146	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	9482	4.490	ug/l	95

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

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