

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074585.D
 Acq On : 19 Oct 2022 18:07
 Operator : VA/SY
 Sample : N4955-03 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Quant Time: Oct 20 06:56:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:54:18 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	91915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	143325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	128176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	60088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	28135	40.092	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.180%		
35) Dibromofluoromethane	7.804	113	39104	44.548	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.100%		
50) Toluene-d8	10.269	98	130035	45.329	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.660%		
62) 4-Bromofluorobenzene	12.575	95	39147	41.253	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	82.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	3562	4.993	ug/l	97
3) Chloromethane	2.146	50	5386	5.577	ug/l #	82
4) Vinyl Chloride	2.281	62	4819	4.512	ug/l	94
5) Bromomethane	2.693	94	4012	4.960	ug/l	92
6) Chloroethane	2.834	64	3196	4.352	ug/l	95
7) Trichlorofluoromethane	3.175	101	6448	4.259	ug/l	97
8) Diethyl Ether	3.593	74	1824	4.160	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.975	101	4346	4.452	ug/l	96
10) Methyl Iodide	4.169	142	4020	3.614	ug/l #	93
11) Tert butyl alcohol	5.022	59	7733	65.454	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	4584	4.694	ug/l	91
13) Acrolein	3.805	56	1440	19.159	ug/l	99
14) Allyl chloride	4.552	41	4621	4.382	ug/l	98
15) Acrylonitrile	5.257	53	3651	20.376	ug/l #	88
16) Acetone	4.022	43	3329	21.724	ug/l #	75
17) Carbon Disulfide	4.275	76	12755	4.773	ug/l	96
18) Methyl Acetate	4.552	43	2688	5.800	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	8309	4.354	ug/l	94
20) Methylene Chloride	4.805	84	18025	11.118	ug/l	92
21) trans-1,2-Dichloroethene	5.322	96	5116	4.700	ug/l #	72
22) Diisopropyl ether	6.216	45	8300	3.900	ug/l #	88
23) Vinyl Acetate	6.152	43	14493m	15.575	ug/l	
24) 1,1-Dichloroethane	6.116	63	7493	4.537	ug/l	96
25) 2-Butanone	7.081	43	4785	23.351	ug/l	99
26) 2,2-Dichloropropane	7.075	77	7192	4.556	ug/l	85
27) cis-1,2-Dichloroethene	7.081	96	5175	4.286	ug/l	92
28) Bromochloromethane	7.428	49	1747	4.347	ug/l #	95
29) Tetrahydrofuran	7.451	42	2182	19.523	ug/l	95
30) Chloroform	7.599	83	8086	4.550	ug/l	97
31) Cyclohexane	7.881	56	7672	5.442	ug/l #	87
32) 1,1,1-Trichloroethane	7.793	97	7125	4.372	ug/l	94
36) 1,1-Dichloropropene	8.004	75	5407	4.199	ug/l	100
37) Ethyl Acetate	7.169	43	1684	4.145	ug/l #	66
38) Carbon Tetrachloride	7.999	117	4679	3.711	ug/l	96
39) Methylcyclohexane	9.275	83	6658	4.328	ug/l	99
40) Benzene	8.251	78	16714	4.374	ug/l	95

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41) Methacrylonitrile	7.404	41	1007	4.601	ug/l #	30
42) 1,2-Dichloroethane	8.334	62	3813	4.324	ug/l	87
43) Isopropyl Acetate	8.363	43	3071	4.068	ug/l #	49
44) Trichloroethene	9.034	130	4920	4.395	ug/l	87
45) 1,2-Dichloropropane	9.304	63	3587	4.277	ug/l #	87
46) Dibromomethane	9.398	93	1951	4.032	ug/l	96
47) Bromodichloromethane	9.587	83	5085	4.247	ug/l #	87
48) Methyl methacrylate	9.375	41	1305	3.782	ug/l	96
49) 1,4-Dioxane	9.387	88	63	13.228	ug/l #	32
51) 4-Methyl-2-Pentanone	10.163	43	6770	18.029	ug/l	99
52) Toluene	10.328	92	10428	4.425	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	4456	4.233	ug/l	96
54) cis-1,3-Dichloropropene	10.022	75	5009	3.774	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	2992	4.500	ug/l	94
56) Ethyl methacrylate	10.598	69	2995	4.121	ug/l	96
57) 1,3-Dichloropropane	10.881	76	4604	4.269	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.863	63	1940	12.042	ug/l	97
59) 2-Hexanone	10.922	43	4917	19.184	ug/l	97
60) Dibromochloromethane	11.075	129	3220	4.018	ug/l	98
61) 1,2-Dibromoethane	11.181	107	2603	4.289	ug/l	99
64) Tetrachloroethene	10.810	164	4591	4.846	ug/l	92
65) Chlorobenzene	11.610	112	11908	4.411	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	3614	3.896	ug/l	89
67) Ethyl Benzene	11.687	91	19321	4.110	ug/l	96
68) m/p-Xylenes	11.792	106	15215	8.139	ug/l	98
69) o-Xylene	12.116	106	6810	3.914	ug/l	96
70) Styrene	12.134	104	11105	3.790	ug/l	96
71) Bromoform	12.298	173	2002	4.111	ug/l #	98
73) Isopropylbenzene	12.422	105	18270	3.899	ug/l	99
74) N-amyl acetate	12.234	43	2556	3.690	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	2933	3.954	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	2859m	5.449	ug/l	
77) Bromobenzene	12.698	156	4640	4.387	ug/l	96
78) n-propylbenzene	12.763	91	22611	4.083	ug/l	99
79) 2-Chlorotoluene	12.851	91	12553	4.184	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	15795	4.152	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	694	3.380	ug/l #	75
82) 4-Chlorotoluene	12.945	91	13053	4.235	ug/l	97
83) tert-Butylbenzene	13.163	119	13215	3.894	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	14665	3.918	ug/l	95
85) sec-Butylbenzene	13.339	105	19976	3.923	ug/l	99
86) p-Isopropyltoluene	13.457	119	16400	3.844	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	9427	4.289	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	9339	4.341	ug/l	94
89) n-Butylbenzene	13.786	91	15694	4.038	ug/l	99
90) Hexachloroethane	14.051	117	2908	3.916	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	7725	4.214	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.433	75	354	3.450	ug/l	86
93) 1,2,4-Trichlorobenzene	15.098	180	4908	4.058	ug/l	94
94) Hexachlorobutadiene	15.198	225	2936	4.413	ug/l	86
95) Naphthalene	15.328	128	8519	3.742	ug/l	95
96) 1,2,3-Trichlorobenzene	15.522	180	4192	4.043	ug/l	97

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

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