

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074584.D
 Acq On : 19 Oct 2022 17:39
 Operator : VA/SY
 Sample : N4955-03 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Oct 20 06:54:22 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	90427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	151779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	126259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	58059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33077	47.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.820%		
35) Dibromofluoromethane	7.810	113	40626	43.704	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.400%		
50) Toluene-d8	10.269	98	135743	44.683	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.360%		
62) 4-Bromofluorobenzene	12.575	95	41177	40.975	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	81.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	2280	3.248	ug/l	84
3) Chloromethane	2.146	50	3429	3.609	ug/l	93
4) Vinyl Chloride	2.287	62	3283	3.124	ug/l	91
5) Bromomethane	2.693	94	3098	3.893	ug/l	87
6) Chloroethane	2.840	64	2041	2.825	ug/l	99
7) Trichlorofluoromethane	3.175	101	4315	2.897	ug/l	100
8) Diethyl Ether	3.593	74	1170	2.713	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.958	101	2512	2.615	ug/l	95
10) Methyl Iodide	4.158	142	2472	2.259	ug/l #	91
11) Tert butyl alcohol	5.011	59	6090	52.396	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	2933	3.053	ug/l #	75
13) Acrolein	3.799	56	655	8.858	ug/l #	71
14) Allyl chloride	4.569	41	2752	2.653	ug/l	94
15) Acrylonitrile	5.263	53	2396	13.592	ug/l #	92
16) Acetone	4.028	43	2174	14.420	ug/l #	74
17) Carbon Disulfide	4.269	76	7898	3.004	ug/l	98
18) Methyl Acetate	4.558	43	1669	3.661	ug/l #	84
19) Methyl tert-butyl Ether	5.316	73	5057	2.694	ug/l	92
20) Methylene Chloride	4.805	84	14251	8.934	ug/l	92
21) trans-1,2-Dichloroethene	5.316	96	3089	2.884	ug/l #	75
22) Diisopropyl ether	6.210	45	5243	2.504	ug/l #	85
23) Vinyl Acetate	6.163	43	9288m	10.146	ug/l	
24) 1,1-Dichloroethane	6.110	63	4464	2.747	ug/l #	78
25) 2-Butanone	7.081	43	3320	16.468	ug/l	91
26) 2,2-Dichloropropane	7.069	77	5224	3.364	ug/l #	68
27) cis-1,2-Dichloroethene	7.069	96	3291	2.771	ug/l	91
28) Bromochloromethane	7.422	49	1167	2.951	ug/l #	93
29) Tetrahydrofuran	7.452	42	1592	14.479	ug/l #	83
30) Chloroform	7.593	83	4906	2.806	ug/l	96
31) Cyclohexane	7.869	56	5268	3.799	ug/l #	84
32) 1,1,1-Trichloroethane	7.799	97	4479	2.794	ug/l	99
36) 1,1-Dichloropropene	8.010	75	3914	2.871	ug/l	95
37) Ethyl Acetate	7.175	43	1085	2.522	ug/l #	66
38) Carbon Tetrachloride	7.999	117	2804	2.100	ug/l	99
39) Methylcyclohexane	9.269	83	3985	2.446	ug/l	92
40) Benzene	8.257	78	11640	2.876	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	771	3.326	ug/l #	37
42) 1,2-Dichloroethane	8.328	62	2774	2.971	ug/l	82
43) Isopropyl Acetate	8.363	43	1967	2.460	ug/l #	84
44) Trichloroethene	9.028	130	3251	2.742	ug/l	91
45) 1,2-Dichloropropane	9.310	63	2265	2.550	ug/l	96
46) Dibromomethane	9.399	93	1295	2.527	ug/l	91
47) Bromodichloromethane	9.587	83	3089	2.436	ug/l #	92
48) Methyl methacrylate	9.387	41	986	2.699	ug/l #	89
49) 1,4-Dioxane	9.393	88	248	49.172	ug/l #	32
51) 4-Methyl-2-Pentanone	10.157	43	4559	11.464	ug/l	99
52) Toluene	10.334	92	6718	2.692	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	2621	2.351	ug/l	91
54) cis-1,3-Dichloropropene	10.016	75	3177	2.260	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	1834	2.605	ug/l #	83
56) Ethyl methacrylate	10.593	69	2021	2.626	ug/l	92
57) 1,3-Dichloropropane	10.881	76	2834	2.481	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.869	63	1289	7.556	ug/l #	71
59) 2-Hexanone	10.922	43	3215	11.845	ug/l	99
60) Dibromochloromethane	11.069	129	2215	2.610	ug/l	90
61) 1,2-Dibromoethane	11.181	107	1592	2.477	ug/l	96
64) Tetrachloroethene	10.810	164	2756	2.953	ug/l	92
65) Chlorobenzene	11.610	112	7338	2.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	2251	2.464	ug/l	88
67) Ethyl Benzene	11.681	91	11810	2.550	ug/l	100
68) m/p-Xylenes	11.793	106	9363	5.085	ug/l	94
69) o-Xylene	12.122	106	4169	2.433	ug/l	98
70) Styrene	12.134	104	7223	2.503	ug/l	97
71) Bromoform	12.298	173	1105	2.303	ug/l #	92
73) Isopropylbenzene	12.416	105	11472	2.534	ug/l	99
74) N-amyl acetate	12.228	43	1731	2.586	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.669	83	1931	2.694	ug/l #	96
76) 1,2,3-Trichloropropane	12.716	75	1480m	2.919	ug/l	
77) Bromobenzene	12.698	156	2873	2.811	ug/l	98
78) n-propylbenzene	12.763	91	13498	2.522	ug/l	99
79) 2-Chlorotoluene	12.845	91	7682	2.650	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	9129	2.484	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	402m	2.026	ug/l	
82) 4-Chlorotoluene	12.945	91	8019	2.692	ug/l	95
83) tert-Butylbenzene	13.163	119	7992	2.437	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	8527	2.357	ug/l	97
85) sec-Butylbenzene	13.345	105	12226	2.485	ug/l	96
86) p-Isopropyltoluene	13.463	119	9691	2.351	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	5674	2.672	ug/l	92
88) 1,4-Dichlorobenzene	13.539	146	5989	2.881	ug/l	88
89) n-Butylbenzene	13.787	91	9543	2.541	ug/l	94
90) Hexachloroethane	14.051	117	1596	2.224	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	5197	2.934	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	130	1.311	ug/l #	44
93) 1,2,4-Trichlorobenzene	15.098	180	3472	2.971	ug/l	94
94) Hexachlorobutadiene	15.198	225	1540	2.395	ug/l	91
95) Naphthalene	15.334	128	6641	3.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	2713	2.708	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

