

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072435.D
 Acq On : 25 Mar 2022 18:06
 Operator : VA/SY
 Sample : N1645-03 4.0PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 26 01:57:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 01:55:27 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/29/2022
 Supervised By :Semsettin Yesilyurt 03/29/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	368160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	625006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	574276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	285402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	226317	55.160	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.320%			
35) Dibromofluoromethane	7.914	113	222599	50.611	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.220%			
50) Toluene-d8	10.332	98	780249	48.517	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.040%			
62) 4-Bromofluorobenzene	12.620	95	298660	47.795	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	10424	3.061	ug/l	96
3) Chloromethane	2.208	50	11084	3.663	ug/l #	86
4) Vinyl Chloride	2.344	62	10819	3.704	ug/l	97
5) Bromomethane	2.761	94	8330	4.380	ug/l	82
6) Chloroethane	2.920	64	7750	4.013	ug/l	98
7) Trichlorofluoromethane	3.273	101	20963	3.178	ug/l	94
8) Diethyl Ether	3.714	74	7865	4.317	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.103	101	15209	3.616	ug/l	99
10) Methyl Iodide	4.297	142	8761	2.605	ug/l #	87
11) Tert butyl alcohol	5.220	59	6371	26.781	ug/l #	94
12) 1,1-Dichloroethene	4.061	96	11640	3.440	ug/l	80
13) Acrolein	3.920	56	3606	16.987	ug/l	89
14) Allyl chloride	4.708	41	22893	3.870	ug/l	95
15) Acrylonitrile	5.420	53	21177	23.038	ug/l #	90
16) Acetone	4.155	43	20383	22.881	ug/l #	83
17) Carbon Disulfide	4.408	76	15872	2.300	ug/l	97
18) Methyl Acetate	4.726	43	13404	6.140	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	42763	4.650	ug/l	92
20) Methylene Chloride	4.961	84	26052	4.866	ug/l #	91
21) trans-1,2-Dichloroethene	5.467	96	12078	3.227	ug/l	88
22) Diisopropyl ether	6.361	45	61131	4.530	ug/l #	93
23) Vinyl Acetate	6.302	43	144421	20.971	ug/l	99
24) 1,1-Dichloroethane	6.261	63	32297	4.058	ug/l #	92
25) 2-Butanone	7.208	43	28378	23.892	ug/l #	89
26) 2,2-Dichloropropane	7.202	77	25845	3.599	ug/l	97
27) cis-1,2-Dichloroethene	7.202	96	18986	3.974	ug/l	95
28) Bromochloromethane	7.549	49	10830	3.380	ug/l	93
29) Tetrahydrofuran	7.567	42	17872	25.589	ug/l	97
30) Chloroform	7.708	83	37961	4.478	ug/l	96
31) Cyclohexane	7.979	56	26030	4.061	ug/l #	65
32) 1,1,1-Trichloroethane	7.896	97	28989	3.850	ug/l	94
36) 1,1-Dichloropropene	8.114	75	19396	3.144	ug/l	97
37) Ethyl Acetate	7.285	43	14433	5.340	ug/l	99
38) Carbon Tetrachloride	8.091	117	23187	3.306	ug/l	96
39) Methylcyclohexane	9.349	83	19962	2.875	ug/l	98
40) Benzene	8.349	78	68661	3.901	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	8799	5.585	ug/l #	92
42) 1,2-Dichloroethane	8.420	62	22588	4.230	ug/l	97
43) Isopropyl Acetate	8.449	43	24141	4.602	ug/l	96
44) Trichloroethene	9.108	130	18160	3.675	ug/l	80
45) 1,2-Dichloropropane	9.379	63	19938	4.130	ug/l	93
46) Dibromomethane	9.467	93	9772	4.115	ug/l	94
47) Bromodichloromethane	9.655	83	29832	4.309	ug/l	95
48) Methyl methacrylate	9.449	41	11768	4.698	ug/l	92
49) 1,4-Dioxane	9.455	88	2746	96.429	ug/l #	87
51) 4-Methyl-2-Pentanone	10.220	43	65319	23.707	ug/l	96
52) Toluene	10.396	92	42052	3.631	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	26230	4.147	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	29323	4.010	ug/l #	79
55) 1,1,2-Trichloroethane	10.790	97	16029	4.431	ug/l	92
56) Ethyl methacrylate	10.655	69	17843	4.211	ug/l	97
57) 1,3-Dichloropropane	10.937	76	26833	4.420	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	31013	16.279	ug/l	97
59) 2-Hexanone	10.979	43	43649	22.937	ug/l	98
60) Dibromochloromethane	11.132	129	20041	4.269	ug/l	98
61) 1,2-Dibromoethane	11.237	107	13950	4.268	ug/l	97
64) Tetrachloroethene	10.867	164	14914	3.686	ug/l	97
65) Chlorobenzene	11.661	112	49345	3.876	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	19881	3.949	ug/l	95
67) Ethyl Benzene	11.737	91	87159	3.833	ug/l	96
68) m/p-Xylenes	11.843	106	57596	6.671	ug/l	95
69) o-Xylene	12.173	106	29862	3.616	ug/l	98
70) Styrene	12.184	104	54522	3.781	ug/l	97
71) Bromoform	12.349	173	11653	4.333	ug/l #	98
73) Isopropylbenzene	12.467	105	83739	3.703	ug/l	100
74) N-amyl acetate	12.279	43	22672	4.665	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	19142	4.732	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	17171m	5.454	ug/l	
77) Bromobenzene	12.749	156	21622	4.248	ug/l	95
78) n-propylbenzene	12.808	91	103500	3.768	ug/l	99
79) 2-Chlorotoluene	12.896	91	60663	3.819	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	76070	3.915	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	5186	4.087	ug/l	94
82) 4-Chlorotoluene	12.996	91	64682	3.933	ug/l	96
83) tert-Butylbenzene	13.214	119	62090	3.645	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	79565	4.156	ug/l	99
85) sec-Butylbenzene	13.390	105	94460	3.693	ug/l	99
86) p-Isopropyltoluene	13.502	119	75660	3.594	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	41956	3.933	ug/l	100
88) 1,4-Dichlorobenzene	13.584	146	43539	4.116	ug/l	92
89) n-Butylbenzene	13.831	91	76282	3.802	ug/l	97
90) Hexachloroethane	14.102	117	16068	3.895	ug/l	95
91) 1,2-Dichlorobenzene	13.878	146	39669	4.265	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	3314	5.134	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	23372	3.795	ug/l	98
94) Hexachlorobutadiene	15.249	225	13132	3.666	ug/l	98
95) Naphthalene	15.384	128	133619	12.587	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	22626	4.245	ug/l	97

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

