

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031422\
 Data File : VD072171.D
 Acq On : 14 Mar 2022 16:58
 Operator : VA/SY
 Sample : N1645-03 2.5PPB
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 15 02:21:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 15 02:19:07 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/16/2022
 Supervised By :Semsettin Yesilyurt 03/16/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	305998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	519765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	480164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	245146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174823	51.265	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.540%			
35) Dibromofluoromethane	7.908	113	167548	45.808	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.620%			
50) Toluene-d8	10.338	98	555375	41.526	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 83.060%			
62) 4-Bromofluorobenzene	12.620	95	209680	40.350	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	10900	3.851	ug/l	98
3) Chloromethane	2.209	50	11935	4.746	ug/l	89
4) Vinyl Chloride	2.350	62	9975	4.109	ug/l #	88
5) Bromomethane	2.773	94	7064	4.469	ug/l	95
6) Chloroethane	2.926	64	6899	4.298	ug/l	91
7) Trichlorofluoromethane	3.273	101	20101	3.666	ug/l	96
8) Diethyl Ether	3.709	74	4647	3.069	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	11546	3.303	ug/l #	86
10) Methyl Iodide	4.303	142	9196	3.290	ug/l	97
11) Tert butyl alcohol	5.215	59	3026	15.304	ug/l #	88
12) 1,1-Dichloroethene	4.067	96	9955	3.540	ug/l	92
13) Acrolein	3.932	56	2865	16.238	ug/l #	75
14) Allyl chloride	4.709	41	14768	3.003	ug/l	95
15) Acrylonitrile	5.432	53	11456	14.994	ug/l	93
16) Acetone	4.162	43	13718	18.527	ug/l	96
17) Carbon Disulfide	4.409	76	31691	5.526	ug/l	96
18) Methyl Acetate	4.726	43	9453	5.210	ug/l #	82
19) Methyl tert-butyl Ether	5.473	73	20209	2.644	ug/l	92
20) Methylene Chloride	4.967	84	33742	7.582	ug/l	91
21) trans-1,2-Dichloroethene	5.479	96	12116	3.895	ug/l	93
22) Diisopropyl ether	6.362	45	28095	2.505	ug/l #	90
23) Vinyl Acetate	6.309	43	61469	10.739	ug/l	98
24) 1,1-Dichloroethane	6.262	63	20248	3.061	ug/l	99
25) 2-Butanone	7.220	43	14545	14.733	ug/l #	87
26) 2,2-Dichloropropane	7.209	77	17031	2.854	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	11888	2.993	ug/l	96
28) Bromochloromethane	7.550	49	7750	2.910	ug/l	95
29) Tetrahydrofuran	7.567	42	9043	15.578	ug/l	98
30) Chloroform	7.703	83	22385	3.177	ug/l	90
31) Cyclohexane	7.985	56	21997	4.129	ug/l #	74
32) 1,1,1-Trichloroethane	7.903	97	18734	2.993	ug/l	97
36) 1,1-Dichloropropene	8.108	75	15616	3.043	ug/l	94
37) Ethyl Acetate	7.285	43	5979	2.660	ug/l #	73
38) Carbon Tetrachloride	8.091	117	18324	3.142	ug/l	91
39) Methylcyclohexane	9.355	83	18487	3.202	ug/l	93
40) Benzene	8.350	78	45708	3.122	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	3613	2.758	ug/l #	79
42) 1,2-Dichloroethane	8.426	62	14257	3.211	ug/l	97
43) Isopropyl Acetate	8.450	43	11868	2.720	ug/l	92
44) Trichloroethene	9.108	130	13117	3.192	ug/l	86
45) 1,2-Dichloropropane	9.385	63	11232	2.798	ug/l	97
46) Dibromomethane	9.473	93	6266	3.173	ug/l	96
47) Bromodichloromethane	9.655	83	17218	2.991	ug/l #	91
48) Methyl methacrylate	9.450	41	5566	2.672	ug/l #	89
49) 1,4-Dioxane	9.461	88	1592	67.225	ug/l #	80
51) 4-Methyl-2-Pentanone	10.220	43	26206	11.437	ug/l	96
52) Toluene	10.397	92	28438	2.952	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	13861	2.635	ug/l	92
54) cis-1,3-Dichloropropene	10.079	75	16669	2.741	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	8316	2.764	ug/l	94
56) Ethyl methacrylate	10.655	69	8380	2.378	ug/l	92
57) 1,3-Dichloropropane	10.944	76	13345	2.643	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	18380	11.601	ug/l	92
59) 2-Hexanone	10.979	43	17342	10.958	ug/l	95
60) Dibromochloromethane	11.132	129	11048	2.830	ug/l	99
61) 1,2-Dibromoethane	11.238	107	8777	3.229	ug/l	91
64) Tetrachloroethene	10.867	164	11039	3.263	ug/l	89
65) Chlorobenzene	11.667	112	31020	2.914	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.738	131	11620	2.760	ug/l	96
67) Ethyl Benzene	11.738	91	49905	2.625	ug/l	95
68) m/p-Xylenes	11.844	106	35810	4.960	ug/l	100
69) o-Xylene	12.173	106	16667	2.414	ug/l	90
70) Styrene	12.191	104	27517	2.282	ug/l	98
71) Bromoform	12.349	173	5991	2.664	ug/l #	94
73) Isopropylbenzene	12.473	105	44540	2.293	ug/l	100
74) N-amyl acetate	12.279	43	8696	2.083	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.720	83	9843	2.833	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	7450m	2.755	ug/l	
77) Bromobenzene	12.749	156	12385	2.833	ug/l	87
78) n-propylbenzene	12.808	91	57968	2.457	ug/l	99
79) 2-Chlorotoluene	12.902	91	33810	2.478	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	39902	2.391	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	2359m	2.164	ug/l	
82) 4-Chlorotoluene	12.996	91	35512	2.514	ug/l	99
83) tert-Butylbenzene	13.208	119	31530	2.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	39219	2.385	ug/l	98
85) sec-Butylbenzene	13.391	105	47697	2.171	ug/l	98
86) p-Isopropyltoluene	13.502	119	38155	2.110	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	23495	2.564	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	25326	2.787	ug/l	93
89) n-Butylbenzene	13.832	91	37563	2.180	ug/l	96
90) Hexachloroethane	14.102	117	8836	2.493	ug/l	89
91) 1,2-Dichlorobenzene	13.879	146	20739	2.596	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	1365	2.462	ug/l	82
93) 1,2,4-Trichlorobenzene	15.143	180	12230	2.312	ug/l	96
94) Hexachlorobutadiene	15.255	225	7457	2.424	ug/l	96
95) Naphthalene	15.385	128	18741	2.055	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.573	180	11091	2.422	ug/l	94

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

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