

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031122\
 Data File : VD072155.D
 Acq On : 11 Mar 2022 17:36
 Operator : VA/SY
 Sample : N1645-02 5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

Quant Time: Mar 14 04:13:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 04:12:17 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	376594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	614920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	568543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	292337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	399562	95.203	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 190.400%#			
35) Dibromofluoromethane	7.914	113	390008	90.129	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 180.260%#			
50) Toluene-d8	10.332	98	1405393	88.822	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 177.640%#			
62) 4-Bromofluorobenzene	12.626	95	533048	86.703	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 173.400%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	15251	4.378	ug/l	89
3) Chloromethane	2.209	50	12385	4.001	ug/l	100
4) Vinyl Chloride	2.344	62	12221	4.090	ug/l	100
5) Bromomethane	2.773	94	8708	4.476	ug/l	96
6) Chloroethane	2.920	64	8554	4.330	ug/l	93
7) Trichlorofluoromethane	3.273	101	28282	4.192	ug/l	97
8) Diethyl Ether	3.703	74	7591	4.074	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	18444	4.287	ug/l	95
10) Methyl Iodide	4.309	142	12725	3.699	ug/l	93
11) Tert butyl alcohol	5.232	59	6022m	24.747	ug/l	
12) 1,1-Dichloroethene	4.067	96	13835	3.997	ug/l	94
13) Acrolein	3.909	56	5095	23.464	ug/l	98
14) Allyl chloride	4.709	41	24362	4.026	ug/l	91
15) Acrylonitrile	5.426	53	21374	22.732	ug/l	98
16) Acetone	4.156	43	21243	23.312	ug/l #	89
17) Carbon Disulfide	4.409	76	22735	3.221	ug/l	96
18) Methyl Acetate	4.714	43	11774	5.273	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	41817	4.445	ug/l	96
20) Methylene Chloride	4.967	84	35393	6.462	ug/l #	75
21) trans-1,2-Dichloroethene	5.473	96	15198	3.970	ug/l	95
22) Diisopropyl ether	6.361	45	57753	4.184	ug/l #	94
23) Vinyl Acetate	6.303	43	147271	20.906	ug/l	97
24) 1,1-Dichloroethane	6.261	63	35149	4.318	ug/l	98
25) 2-Butanone	7.214	43	27546	22.672	ug/l	95
26) 2,2-Dichloropropane	7.197	77	30836	4.198	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	20702	4.236	ug/l	93
28) Bromochloromethane	7.544	49	15346	4.683	ug/l #	80
29) Tetrahydrofuran	7.555	42	15848	22.183	ug/l	93
30) Chloroform	7.703	83	39021	4.500	ug/l	95
31) Cyclohexane	7.985	56	30542	4.658	ug/l #	68
32) 1,1,1-Trichloroethane	7.897	97	31712	4.117	ug/l	97
36) 1,1-Dichloropropene	8.102	75	23306	3.839	ug/l	99
37) Ethyl Acetate	7.291	43	11629	4.373	ug/l #	92
38) Carbon Tetrachloride	8.097	117	28013	4.060	ug/l	96
39) Methylcyclohexane	9.349	83	22987	3.365	ug/l	98
40) Benzene	8.350	78	71370	4.121	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	6893	4.447	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	24485	4.661	ug/l	93
43) Isopropyl Acetate	8.444	43	22617	4.382	ug/l #	96
44) Trichloroethene	9.108	130	19818	4.076	ug/l	98
45) 1,2-Dichloropropane	9.385	63	20130	4.238	ug/l	97
46) Dibromomethane	9.473	93	9944	4.256	ug/l	94
47) Bromodichloromethane	9.661	83	29747	4.367	ug/l	94
48) Methyl methacrylate	9.449	41	10610	4.305	ug/l	89
49) 1,4-Dioxane	9.455	88	2350	83.877	ug/l #	81
51) 4-Methyl-2-Pentanone	10.220	43	58699	21.653	ug/l	100
52) Toluene	10.396	92	46804	4.107	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	26609	4.276	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	29837	4.148	ug/l	92
55) 1,1,2-Trichloroethane	10.796	97	16571	4.656	ug/l	90
56) Ethyl methacrylate	10.655	69	16233	3.894	ug/l	99
57) 1,3-Dichloropropane	10.944	76	26301	4.403	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	39077	20.848	ug/l	97
59) 2-Hexanone	10.979	43	40693	21.734	ug/l	99
60) Dibromochloromethane	11.132	129	20592	4.459	ug/l	99
61) 1,2-Dibromoethane	11.238	107	14002	4.354	ug/l	97
64) Tetrachloroethene	10.873	164	16819	4.199	ug/l	91
65) Chlorobenzene	11.661	112	54420	4.318	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.738	131	22055	4.425	ug/l	97
67) Ethyl Benzene	11.738	91	89633	3.982	ug/l	96
68) m/p-Xylenes	11.843	106	65958	7.716	ug/l	99
69) o-Xylene	12.179	106	32888	4.022	ug/l	99
70) Styrene	12.185	104	55123	3.861	ug/l	99
71) Bromoform	12.349	173	12286	4.614	ug/l #	95
73) Isopropylbenzene	12.473	105	87456	3.775	ug/l	99
74) N-amyl acetate	12.279	43	21565	4.332	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	19646	4.742	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	15130m	4.692	ug/l	
77) Bromobenzene	12.749	156	22478	4.311	ug/l	94
78) n-propylbenzene	12.808	91	113719	4.041	ug/l	99
79) 2-Chlorotoluene	12.896	91	67195	4.130	ug/l	95
80) 1,3,5-Trimethylbenzene	12.949	105	84180	4.230	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	5848m	4.499	ug/l	
82) 4-Chlorotoluene	12.996	91	69185	4.107	ug/l	96
83) tert-Butylbenzene	13.214	119	72481	4.154	ug/l	92
84) 1,2,4-Trimethylbenzene	13.261	105	80790	4.120	ug/l	98
85) sec-Butylbenzene	13.390	105	102948	3.929	ug/l	98
86) p-Isopropyltoluene	13.502	119	84314	3.910	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	48375	4.427	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	49047	4.526	ug/l	94
89) n-Butylbenzene	13.832	91	81192	3.951	ug/l	97
90) Hexachloroethane	14.102	117	17888	4.233	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	43842	4.602	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.490	75	3439	5.201	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	27272	4.324	ug/l	98
94) Hexachlorobutadiene	15.255	225	16294	4.441	ug/l	95
95) Naphthalene	15.384	128	42878	3.943	ug/l	96
96) 1,2,3-Trichlorobenzene	15.579	180	23669	4.335	ug/l	99

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

