

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031122\
 Data File : VD072154.D
 Acq On : 11 Mar 2022 17:08
 Operator : VA/SY
 Sample : N1645-01 4PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Quant Time: Mar 14 04:13:00 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	7.973	168	325047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	536026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	507505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	217614	60.073	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.140%			
35) Dibromofluoromethane	7.914	113	205887	54.582	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.160%			
50) Toluene-d8	10.338	98	723172	52.432	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.860%			
62) 4-Bromofluorobenzene	12.626	95	274034	51.134	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	8525	2.836	ug/l	99
3) Chloromethane	2.209	50	8565	3.206	ug/l	95
4) Vinyl Chloride	2.350	62	6944	2.693	ug/l	92
5) Bromomethane	2.773	94	5677	3.381	ug/l	89
6) Chloroethane	2.926	64	4982	2.922	ug/l	94
7) Trichlorofluoromethane	3.267	101	16488	2.831	ug/l	85
8) Diethyl Ether	3.703	74	5294	3.291	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.085	101	10621	2.860	ug/l #	34
10) Methyl Iodide	4.309	142	7666	2.582	ug/l #	95
11) Tert butyl alcohol	5.238	59	4123m	19.630	ug/l	
12) 1,1-Dichloroethene	4.073	96	8134	2.723	ug/l #	72
13) Acrolein	3.926	56	3733	19.918	ug/l #	62
14) Allyl chloride	4.714	41	13739	2.630	ug/l #	80
15) Acrylonitrile	5.420	53	14443	17.796	ug/l	94
16) Acetone	4.156	43	15550	19.771	ug/l #	85
17) Carbon Disulfide	4.409	76	13907	2.283	ug/l	96
18) Methyl Acetate	4.726	43	7273	3.773	ug/l #	55
19) Methyl tert-butyl Ether	5.485	73	25493	3.140	ug/l #	88
20) Methylene Chloride	4.967	84	35737	7.560	ug/l	92
21) trans-1,2-Dichloroethene	5.467	96	8286	2.508	ug/l #	83
22) Diisopropyl ether	6.361	45	33824	2.839	ug/l #	95
23) Vinyl Acetate	6.303	43	89651	14.745	ug/l #	90
24) 1,1-Dichloroethane	6.261	63	20973	2.985	ug/l	96
25) 2-Butanone	7.214	43	17651	16.832	ug/l	91
26) 2,2-Dichloropropane	7.203	77	17583	2.774	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	12699	3.010	ug/l	89
28) Bromochloromethane	7.538	49	9263	3.275	ug/l	88
29) Tetrahydrofuran	7.561	42	10581	17.159	ug/l	99
30) Chloroform	7.708	83	23604	3.153	ug/l	97
31) Cyclohexane	7.985	56	19473	3.441	ug/l #	48
32) 1,1,1-Trichloroethane	7.903	97	17923	2.696	ug/l	99
36) 1,1-Dichloropropene	8.114	75	13064	2.469	ug/l #	94
37) Ethyl Acetate	7.297	43	8354	3.604	ug/l #	95
38) Carbon Tetrachloride	8.103	117	15619	2.597	ug/l #	82
39) Methylcyclohexane	9.350	83	13165	2.211	ug/l #	87
40) Benzene	8.350	78	41926	2.777	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	4361	3.228	ug/l #	73
42) 1,2-Dichloroethane	8.420	62	13932	3.042	ug/l	96
43) Isopropyl Acetate	8.444	43	15347	3.411	ug/l #	92
44) Trichloroethene	9.108	130	12241	2.888	ug/l	76
45) 1,2-Dichloropropane	9.385	63	12730	3.075	ug/l	99
46) Dibromomethane	9.473	93	6776	3.327	ug/l	91
47) Bromodichloromethane	9.655	83	19388	3.265	ug/l #	93
48) Methyl methacrylate	9.444	41	7098	3.304	ug/l	98
49) 1,4-Dioxane	9.450	88	1915	78.411	ug/l #	67
51) 4-Methyl-2-Pentanone	10.226	43	36327	15.373	ug/l	95
52) Toluene	10.402	92	27135	2.732	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	15238	2.809	ug/l	91
54) cis-1,3-Dichloropropene	10.079	75	17434	2.780	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	10187	3.283	ug/l #	90
56) Ethyl methacrylate	10.655	69	10912	3.003	ug/l #	89
57) 1,3-Dichloropropane	10.938	76	15477	2.972	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	23470	14.364	ug/l	100
59) 2-Hexanone	10.979	43	24766	15.175	ug/l	97
60) Dibromochloromethane	11.132	129	13241	3.289	ug/l	95
61) 1,2-Dibromoethane	11.244	107	9208	3.285	ug/l	93
64) Tetrachloroethene	10.873	164	9941	2.780	ug/l	93
65) Chlorobenzene	11.667	112	32698	2.906	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.732	131	13529	3.041	ug/l	99
67) Ethyl Benzene	11.738	91	50221	2.499	ug/l	94
68) m/p-Xylenes	11.849	106	37031	4.853	ug/l	98
69) o-Xylene	12.173	106	17979	2.463	ug/l	99
70) Styrene	12.185	104	32856	2.578	ug/l	94
71) Bromoform	12.349	173	7299	3.071	ug/l #	95
73) Isopropylbenzene	12.467	105	47706	2.308	ug/l	98
74) N-amyl acetate	12.279	43	13584	3.059	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	13005	3.519	ug/l	93
76) 1,2,3-Trichloropropane	12.773	75	10453m	3.634	ug/l	
77) Bromobenzene	12.749	156	13083	2.813	ug/l	98
78) n-propylbenzene	12.814	91	59697	2.378	ug/l	96
79) 2-Chlorotoluene	12.896	91	37901	2.611	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	44526	2.508	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.520	75	3523m	3.039	ug/l	
82) 4-Chlorotoluene	12.996	91	39485	2.627	ug/l	98
83) tert-Butylbenzene	13.214	119	37576	2.414	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	45907	2.624	ug/l	99
85) sec-Butylbenzene	13.390	105	56246	2.406	ug/l	100
86) p-Isopropyltoluene	13.502	119	44117	2.294	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	27480	2.819	ug/l	96
88) 1,4-Dichlorobenzene	13.585	146	28476	2.946	ug/l	90
89) n-Butylbenzene	13.832	91	44086	2.405	ug/l	100
90) Hexachloroethane	14.096	117	10232	2.714	ug/l	89
91) 1,2-Dichlorobenzene	13.879	146	25462	2.996	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	1946	3.299	ug/l	87
93) 1,2,4-Trichlorobenzene	15.149	180	16669	2.962	ug/l	94
94) Hexachlorobutadiene	15.255	225	8595	2.626	ug/l	96
95) Naphthalene	15.384	128	26811	2.764	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.579	180	14916	3.062	ug/l	99

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

