

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042222\
 Data File : VD072687.D
 Acq On : 22 Apr 2022 11:56
 Operator : VA/SY
 Sample : VD0422SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2022
 Supervised By : Mahesh Dadoda 04/25/2022

Quant Time: Apr 22 23:43:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	332775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	553339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	524707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	274496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	199119	49.464	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.920%		
35) Dibromofluoromethane	7.908	113	213419	49.630	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.260%		
50) Toluene-d8	10.332	98	716899	47.960	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.920%		
62) 4-Bromofluorobenzene	12.620	95	293330	50.247	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	51082	19.342	ug/l	100
3) Chloromethane	2.215	50	44459	18.200	ug/l	93
4) Vinyl Chloride	2.344	62	49034	18.082	ug/l	94
5) Bromomethane	2.738	94	36699	19.496	ug/l	92
6) Chloroethane	2.903	64	37660	20.932	ug/l	94
7) Trichlorofluoromethane	3.268	101	128098	22.346	ug/l	98
8) Diethyl Ether	3.709	74	38067	22.346	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	90210	23.596	ug/l	98
10) Methyl Iodide	4.291	142	55205	18.066	ug/l	100
11) Tert butyl alcohol	5.209	59	58480	275.088	ug/l #	80
12) 1,1-Dichloroethene	4.062	96	63251	21.162	ug/l	82
13) Acrolein	3.920	56	12621	133.785	ug/l	94
14) Allyl chloride	4.709	41	103051	20.318	ug/l	92
15) Acrylonitrile	5.420	53	103237	121.178	ug/l	100
16) Acetone	4.150	43	85653	114.108	ug/l	99
17) Carbon Disulfide	4.409	76	73326	14.132	ug/l #	94
18) Methyl Acetate	4.715	43	61793	29.221	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	212770	24.389	ug/l	94
20) Methylene Chloride	4.956	84	119490	26.739	ug/l	87
21) trans-1,2-Dichloroethene	5.473	96	68834	19.338	ug/l	94
22) Diisopropyl ether	6.361	45	288210	24.000	ug/l #	96
23) Vinyl Acetate	6.303	43	651054	104.551	ug/l #	90
24) 1,1-Dichloroethane	6.261	63	175682	24.278	ug/l	97
25) 2-Butanone	7.208	43	126114	121.480	ug/l	94
26) 2,2-Dichloropropane	7.203	77	157954	24.575	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	102363	22.556	ug/l	93
28) Bromochloromethane	7.544	49	69680	22.473	ug/l #	75
29) Tetrahydrofuran	7.561	42	75425	120.338	ug/l	93
30) Chloroform	7.703	83	201180	24.715	ug/l	98
31) Cyclohexane	7.979	56	98187	18.654	ug/l #	79
32) 1,1,1-Trichloroethane	7.897	97	167699	24.290	ug/l	97
36) 1,1-Dichloropropene	8.108	75	106184	20.012	ug/l	96
37) Ethyl Acetate	7.291	43	53905	23.658	ug/l #	90
38) Carbon Tetrachloride	8.091	117	136895	23.108	ug/l	99
39) Methylcyclohexane	9.350	83	104062	18.201	ug/l	98
40) Benzene	8.350	78	330322	21.995	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	32146	24.998	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	110007	23.965	ug/l	97
43) Isopropyl Acetate	8.444	43	109438	25.039	ug/l #	94
44) Trichloroethene	9.108	130	97127	22.780	ug/l	96
45) 1,2-Dichloropropane	9.379	63	102460	24.526	ug/l	100
46) Dibromomethane	9.467	93	52415	23.914	ug/l	97
47) Bromodichloromethane	9.655	83	157712	25.046	ug/l	99
48) Methyl methacrylate	9.450	41	49995	23.561	ug/l #	84
49) 1,4-Dioxane	9.455	88	12805	491.126	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	301234	128.446	ug/l	91
52) Toluene	10.397	92	227383	22.791	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	133355	24.303	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	154438	23.805	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	86901	26.152	ug/l	95
56) Ethyl methacrylate	10.655	69	93403	23.507	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	134378	24.462	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	198213	120.824	ug/l	96
59) 2-Hexanone	10.979	43	194927	122.227	ug/l	93
60) Dibromochloromethane	11.132	129	112586	26.266	ug/l	99
61) 1,2-Dibromoethane	11.238	107	72964	24.731	ug/l	98
64) Tetrachloroethene	10.873	164	77453	22.593	ug/l	97
65) Chlorobenzene	11.661	112	274040	23.360	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	119309	25.438	ug/l	98
67) Ethyl Benzene	11.738	91	461174	22.530	ug/l	98
68) m/p-Xylenes	11.844	106	358876	46.213	ug/l	99
69) o-Xylene	12.173	106	174759	23.324	ug/l	95
70) Styrene	12.185	104	312676	23.678	ug/l	98
71) Bromoform	12.349	173	63815	25.666	ug/l #	99
73) Isopropylbenzene	12.467	105	507284	22.883	ug/l	100
74) N-amyl acetate	12.279	43	105363	22.652	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.720	83	101924	24.273	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	61231m	20.452	ug/l	
77) Bromobenzene	12.749	156	116088	23.363	ug/l	92
78) n-propylbenzene	12.808	91	612214	22.892	ug/l	99
79) 2-Chlorotoluene	12.896	91	355547	22.733	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	440101	23.180	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	29332	24.041	ug/l	89
82) 4-Chlorotoluene	12.996	91	382065	23.456	ug/l	99
83) tert-Butylbenzene	13.208	119	382283	23.258	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	437888	23.586	ug/l	100
85) sec-Butylbenzene	13.391	105	590900	23.867	ug/l	98
86) p-Isopropyltoluene	13.502	119	481117	23.774	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	249309	24.214	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	245149	23.624	ug/l	97
89) n-Butylbenzene	13.832	91	454562	23.579	ug/l	99
90) Hexachloroethane	14.096	117	101025	24.386	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	219030	24.119	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	15518	24.989	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	138195	24.551	ug/l	95
94) Hexachlorobutadiene	15.249	225	76762	24.346	ug/l	99
95) Naphthalene	15.379	128	235635	21.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	120234	24.474	ug/l	97

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

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