

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072310.D
 Acq On : 19 Mar 2022 01:45
 Operator : VA/SY
 Sample : VD0318SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 05:32:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	293495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	511804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	491763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	252876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	203785	62.304	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.600%			
35) Dibromofluoromethane	7.908	113	195045	54.155	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.320%			
50) Toluene-d8	10.338	98	689849	52.383	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.760%			
62) 4-Bromofluorobenzene	12.620	95	268282	52.430	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	48410	17.833	ug/l	94
3) Chloromethane	2.209	50	47196	19.565	ug/l	97
4) Vinyl Chloride	2.344	62	44121	18.948	ug/l	96
5) Bromomethane	2.750	94	33502	22.095	ug/l	95
6) Chloroethane	2.909	64	32401	21.046	ug/l	100
7) Trichlorofluoromethane	3.267	101	99184	18.862	ug/l	97
8) Diethyl Ether	3.703	74	33097	22.789	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	63111	18.823	ug/l	97
10) Methyl Iodide	4.291	142	43076	15.928	ug/l	97
11) Tert butyl alcohol	5.214	59	25851	136.311	ug/l	98
12) 1,1-Dichloroethene	4.067	96	49168	18.228	ug/l #	78
13) Acrolein	3.926	56	19520	115.349	ug/l	98
14) Allyl chloride	4.709	41	98289	20.841	ug/l	93
15) Acrylonitrile	5.414	53	100589	137.267	ug/l	99
16) Acetone	4.156	43	74449	104.833	ug/l	95
17) Carbon Disulfide	4.409	76	80712	13.945	ug/l	99
18) Methyl Acetate	4.714	43	62798	36.084	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	180084	24.563	ug/l	100
20) Methylene Chloride	4.962	84	98118	24.658	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	56945	19.087	ug/l	98
22) Diisopropyl ether	6.367	45	263843	24.527	ug/l #	91
23) Vinyl Acetate	6.303	43	632223	115.159	ug/l	96
24) 1,1-Dichloroethane	6.261	63	143876	22.679	ug/l	98
25) 2-Butanone	7.208	43	119856	126.581	ug/l	98
26) 2,2-Dichloropropane	7.208	77	104834	18.314	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	85257	22.383	ug/l	93
28) Bromochloromethane	7.544	49	58879	23.053	ug/l	88
29) Tetrahydrofuran	7.561	42	76517	137.429	ug/l	95
30) Chloroform	7.703	83	163269	24.157	ug/l	98
31) Cyclohexane	7.979	56	86348	16.897	ug/l #	87
32) 1,1,1-Trichloroethane	7.903	97	124350	20.716	ug/l	98
36) 1,1-Dichloropropene	8.108	75	87928	17.403	ug/l	98
37) Ethyl Acetate	7.291	43	57100	25.799	ug/l	98
38) Carbon Tetrachloride	8.091	117	103374	17.999	ug/l	96
39) Methylcyclohexane	9.350	83	84019	14.777	ug/l	98
40) Benzene	8.344	78	285502	19.807	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	31419	24.356	ug/l #	83
42) 1,2-Dichloroethane	8.420	62	99009	22.643	ug/l	98
43) Isopropyl Acetate	8.450	43	102797	23.930	ug/l	97
44) Trichloroethene	9.108	130	77346	19.114	ug/l	92
45) 1,2-Dichloropropane	9.385	63	84963	21.492	ug/l	95
46) Dibromomethane	9.473	93	44516	22.892	ug/l	94
47) Bromodichloromethane	9.655	83	128559	22.678	ug/l	99
48) Methyl methacrylate	9.455	41	49679	24.220	ug/l	89
49) 1,4-Dioxane	9.461	88	11080	475.149	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	300523	133.196	ug/l	97
52) Toluene	10.397	92	184026	19.402	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	111369	21.502	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	124314	20.762	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	70083	23.658	ug/l	93
56) Ethyl methacrylate	10.655	69	79317	22.860	ug/l	94
57) 1,3-Dichloropropane	10.938	76	117566	23.647	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	170483	109.278	ug/l	97
59) 2-Hexanone	10.979	43	199478	128.008	ug/l	95
60) Dibromochloromethane	11.132	129	87178	22.680	ug/l	99
61) 1,2-Dibromoethane	11.238	107	60671	22.666	ug/l	97
64) Tetrachloroethene	10.873	164	62772	18.117	ug/l	94
65) Chlorobenzene	11.667	112	221089	20.279	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	90623	21.020	ug/l	96
67) Ethyl Benzene	11.738	91	367180	18.857	ug/l	100
68) m/p-Xylenes	11.849	106	284165	38.433	ug/l	99
69) o-Xylene	12.173	106	140666	19.890	ug/l	96
70) Styrene	12.185	104	248044	20.085	ug/l	99
71) Bromoform	12.349	173	53452	23.210	ug/l #	97
73) Isopropylbenzene	12.473	105	380212	18.973	ug/l	100
74) N-amyl acetate	12.279	43	104280	24.215	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	89646	25.013	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	56368m	20.208	ug/l	
77) Bromobenzene	12.749	156	92388	20.484	ug/l	97
78) n-propylbenzene	12.814	91	471675	19.378	ug/l	99
79) 2-Chlorotoluene	12.896	91	285847	20.309	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	342128	19.873	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	24389	21.693	ug/l	88
82) 4-Chlorotoluene	12.996	91	296324	20.333	ug/l	99
83) tert-Butylbenzene	13.214	119	283000	18.750	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	345638	20.376	ug/l	99
85) sec-Butylbenzene	13.390	105	431560	19.040	ug/l	100
86) p-Isopropyltoluene	13.502	119	353487	18.952	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	194395	20.565	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	194464	20.746	ug/l	100
89) n-Butylbenzene	13.832	91	335115	18.850	ug/l	99
90) Hexachloroethane	14.102	117	71940	19.680	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	175545	21.300	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	13845	24.206	ug/l	88
93) 1,2,4-Trichlorobenzene	15.149	180	108205	19.831	ug/l	98
94) Hexachlorobutadiene	15.249	225	58675	18.486	ug/l	99
95) Naphthalene	15.384	128	204048	21.694	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	99264	21.017	ug/l	98

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

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