

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031722\
 Data File : VD072262.D
 Acq On : 18 Mar 2022 01:03
 Operator : VA/SY
 Sample : VD0317SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0317SBS02

Quant Time: Mar 18 05:39:00 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	315378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	546175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	517831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	214093	60.913	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.820%			
35) Dibromofluoromethane	7.908	113	208846	54.338	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.680%			
50) Toluene-d8	10.332	98	731609	52.058	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.120%			
62) 4-Bromofluorobenzene	12.626	95	278598	51.019	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	54696	18.751	ug/l	98
3) Chloromethane	2.209	50	50440	19.459	ug/l	98
4) Vinyl Chloride	2.344	62	48833	19.517	ug/l	96
5) Bromomethane	2.756	94	35564	21.828	ug/l	86
6) Chloroethane	2.909	64	35356	21.372	ug/l	93
7) Trichlorofluoromethane	3.267	101	106287	18.810	ug/l	97
8) Diethyl Ether	3.709	74	33025	21.162	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	69626	19.325	ug/l	96
10) Methyl Iodide	4.297	142	43127	14.993	ug/l	97
11) Tert butyl alcohol	5.220	59	25448	124.875	ug/l #	93
12) 1,1-Dichloroethene	4.062	96	53053	18.303	ug/l	94
13) Acrolein	3.926	56	17255	94.889	ug/l	96
14) Allyl chloride	4.714	41	101580	20.044	ug/l	96
15) Acrylonitrile	5.414	53	100464	127.584	ug/l	96
16) Acetone	4.156	43	75578	99.039	ug/l	93
17) Carbon Disulfide	4.409	76	87113	14.000	ug/l	99
18) Methyl Acetate	4.709	43	56892	30.422	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	181216	23.002	ug/l	100
20) Methylene Chloride	4.956	84	100606	23.191	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	62569	19.516	ug/l	96
22) Diisopropyl ether	6.361	45	271584	23.495	ug/l #	94
23) Vinyl Acetate	6.303	43	650162	110.210	ug/l	96
24) 1,1-Dichloroethane	6.261	63	151531	22.228	ug/l	98
25) 2-Butanone	7.208	43	121009	118.931	ug/l	94
26) 2,2-Dichloropropane	7.203	77	112255	18.250	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	89315	21.821	ug/l	91
28) Bromochloromethane	7.544	49	63736	23.224	ug/l	91
29) Tetrahydrofuran	7.555	42	76785	128.342	ug/l	94
30) Chloroform	7.703	83	169331	23.316	ug/l	98
31) Cyclohexane	7.979	56	93271	16.986	ug/l #	81
32) 1,1,1-Trichloroethane	7.897	97	133472	20.692	ug/l	98
36) 1,1-Dichloropropene	8.108	75	95605	17.731	ug/l	98
37) Ethyl Acetate	7.291	43	54629	23.129	ug/l	98
38) Carbon Tetrachloride	8.091	117	108508	17.704	ug/l	97
39) Methylcyclohexane	9.350	83	93820	15.463	ug/l	99
40) Benzene	8.350	78	296880	19.300	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	33492	24.329	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	101237	21.695	ug/l	97
43) Isopropyl Acetate	8.450	43	107316	23.410	ug/l	97
44) Trichloroethene	9.108	130	80404	18.619	ug/l	92
45) 1,2-Dichloropropane	9.379	63	90693	21.498	ug/l	93
46) Dibromomethane	9.467	93	45487	21.919	ug/l	95
47) Bromodichloromethane	9.655	83	133387	22.049	ug/l	96
48) Methyl methacrylate	9.449	41	52439	23.956	ug/l	94
49) 1,4-Dioxane	9.455	88	11463	460.638	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	294922	122.487	ug/l	96
52) Toluene	10.397	92	196699	19.433	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	113478	20.531	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	129815	20.317	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	72483	22.929	ug/l	97
56) Ethyl methacrylate	10.655	69	80999	21.876	ug/l	91
57) 1,3-Dichloropropane	10.938	76	118197	22.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	173994	104.510	ug/l	99
59) 2-Hexanone	10.979	43	194253	116.810	ug/l	97
60) Dibromochloromethane	11.132	129	91746	22.366	ug/l	97
61) 1,2-Dibromoethane	11.238	107	62012	21.709	ug/l	96
64) Tetrachloroethene	10.873	164	65842	18.046	ug/l	95
65) Chlorobenzene	11.661	112	230458	20.075	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	95127	20.954	ug/l	99
67) Ethyl Benzene	11.738	91	383585	18.708	ug/l	100
68) m/p-Xylenes	11.843	106	295688	37.978	ug/l	98
69) o-Xylene	12.173	106	143083	19.213	ug/l	96
70) Styrene	12.185	104	259910	19.986	ug/l	96
71) Bromoform	12.349	173	54195	22.348	ug/l #	98
73) Isopropylbenzene	12.473	105	395196	19.134	ug/l	99
74) N-amyl acetate	12.279	43	102976	23.200	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	88124	23.857	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	55494m	19.302	ug/l	
77) Bromobenzene	12.749	156	98051	21.092	ug/l	92
78) n-propylbenzene	12.808	91	479172	19.100	ug/l	99
79) 2-Chlorotoluene	12.896	91	291495	20.094	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	354293	19.967	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	24315	20.984	ug/l	99
82) 4-Chlorotoluene	12.996	91	305484	20.338	ug/l	100
83) tert-Butylbenzene	13.214	119	300947	19.346	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	350039	20.021	ug/l	100
85) sec-Butylbenzene	13.390	105	448433	19.196	ug/l	99
86) p-Isopropyltoluene	13.502	119	364244	18.948	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	195908	20.108	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	198228	20.518	ug/l	99
89) n-Butylbenzene	13.832	91	335035	18.285	ug/l	100
90) Hexachloroethane	14.096	117	76270	20.243	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	183401	21.591	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	14382	24.396	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	105135	18.695	ug/l	99
94) Hexachlorobutadiene	15.255	225	61056	18.664	ug/l	99
95) Naphthalene	15.384	128	199734	20.604	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	96164	19.755	ug/l	98

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

