

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031722\
 Data File : VD072263.D
 Acq On : 18 Mar 2022 01:31
 Operator : VA/SY
 Sample : VD0317SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0317SBS02

Quant Time: Mar 18 05:39:21 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	315422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	537170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	496129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	257357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	203450	57.877	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.760%			
35) Dibromofluoromethane	7.908	113	203027	53.709	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.420%			
50) Toluene-d8	10.332	98	709687	51.345	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.680%			
62) 4-Bromofluorobenzene	12.620	95	270973	50.455	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	52704	18.065	ug/l	99
3) Chloromethane	2.209	50	48810	18.828	ug/l	95
4) Vinyl Chloride	2.344	62	46327	18.513	ug/l	99
5) Bromomethane	2.756	94	34122	20.940	ug/l	98
6) Chloroethane	2.914	64	33415	20.196	ug/l	98
7) Trichlorofluoromethane	3.267	101	106505	18.846	ug/l	100
8) Diethyl Ether	3.714	74	33183	21.260	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	70751	19.634	ug/l	95
10) Methyl Iodide	4.297	142	43462	15.090	ug/l	98
11) Tert butyl alcohol	5.226	59	24102	118.254	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	53473	18.446	ug/l	88
13) Acrolein	3.914	56	17585	96.691	ug/l	95
14) Allyl chloride	4.708	41	98692	19.471	ug/l	93
15) Acrylonitrile	5.414	53	97101	123.296	ug/l	99
16) Acetone	4.156	43	72628	95.160	ug/l	98
17) Carbon Disulfide	4.408	76	87419	14.042	ug/l	99
18) Methyl Acetate	4.714	43	57920	30.967	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	180959	22.966	ug/l	100
20) Methylene Chloride	4.961	84	94869	21.444	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	60182	18.769	ug/l	86
22) Diisopropyl ether	6.361	45	261134	22.588	ug/l	92
23) Vinyl Acetate	6.302	43	611491	103.640	ug/l #	92
24) 1,1-Dichloroethane	6.261	63	144982	21.264	ug/l	98
25) 2-Butanone	7.208	43	116514	114.497	ug/l	94
26) 2,2-Dichloropropane	7.202	77	111481	18.122	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	85640	20.920	ug/l	96
28) Bromochloromethane	7.544	49	62133	22.636	ug/l #	84
29) Tetrahydrofuran	7.555	42	74248	124.084	ug/l	96
30) Chloroform	7.702	83	160380	22.080	ug/l	96
31) Cyclohexane	7.979	56	92917	16.919	ug/l #	80
32) 1,1,1-Trichloroethane	7.902	97	129457	20.067	ug/l	99
36) 1,1-Dichloropropene	8.108	75	93504	17.632	ug/l	97
37) Ethyl Acetate	7.285	43	53526	23.042	ug/l	98
38) Carbon Tetrachloride	8.097	117	108664	18.027	ug/l	93
39) Methylcyclohexane	9.355	83	94065	15.763	ug/l	94
40) Benzene	8.344	78	297372	19.656	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	35995	26.585	ug/l	90
42) 1,2-Dichloroethane	8.420	62	100042	21.799	ug/l	98
43) Isopropyl Acetate	8.449	43	101531	22.519	ug/l	97
44) Trichloroethene	9.108	130	78169	18.405	ug/l	90
45) 1,2-Dichloropropane	9.379	63	85655	20.644	ug/l	91
46) Dibromomethane	9.467	93	44259	21.685	ug/l	95
47) Bromodichloromethane	9.655	83	125506	21.094	ug/l	99
48) Methyl methacrylate	9.449	41	50418	23.419	ug/l	93
49) 1,4-Dioxane	9.461	88	10887	444.826	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	279718	118.120	ug/l	94
52) Toluene	10.396	92	192335	19.320	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	111059	20.430	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	128652	20.472	ug/l	93
55) 1,1,2-Trichloroethane	10.790	97	69846	22.465	ug/l	98
56) Ethyl methacrylate	10.655	69	79089	21.718	ug/l	92
57) 1,3-Dichloropropane	10.938	76	115903	22.212	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	167673	102.402	ug/l	96
59) 2-Hexanone	10.979	43	186120	113.796	ug/l	97
60) Dibromochloromethane	11.132	129	88958	22.050	ug/l	98
61) 1,2-Dibromoethane	11.238	107	59547	21.195	ug/l	95
64) Tetrachloroethene	10.873	164	64367	18.414	ug/l	95
65) Chlorobenzene	11.661	112	221864	20.171	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	91952	21.141	ug/l	99
67) Ethyl Benzene	11.738	91	376103	19.145	ug/l	100
68) m/p-Xylenes	11.849	106	285021	38.210	ug/l	99
69) o-Xylene	12.173	106	139383	19.535	ug/l	98
70) Styrene	12.185	104	255186	20.481	ug/l	98
71) Bromoform	12.349	173	52779	22.717	ug/l #	99
73) Isopropylbenzene	12.473	105	387165	18.984	ug/l	99
74) N-amyl acetate	12.279	43	95978	21.899	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	85218	23.364	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	65081m	22.925	ug/l	
77) Bromobenzene	12.749	156	95803	20.871	ug/l	92
78) n-propylbenzene	12.814	91	473419	19.111	ug/l	99
79) 2-Chlorotoluene	12.896	91	282021	19.688	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	346547	19.779	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	24244	21.189	ug/l	96
82) 4-Chlorotoluene	12.996	91	299959	20.224	ug/l	100
83) tert-Butylbenzene	13.214	119	291105	18.951	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	346169	20.052	ug/l	100
85) sec-Butylbenzene	13.390	105	441114	19.123	ug/l	99
86) p-Isopropyltoluene	13.502	119	363454	19.148	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	195328	20.304	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	195882	20.534	ug/l	100
89) n-Butylbenzene	13.832	91	338383	18.703	ug/l	100
90) Hexachloroethane	14.096	117	75196	20.212	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	175077	20.874	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12951	22.248	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	106428	19.166	ug/l	98
94) Hexachlorobutadiene	15.255	225	61179	18.940	ug/l	100
95) Naphthalene	15.384	128	198579	20.745	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	96683	20.114	ug/l	98

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

