

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072213.D
 Acq On : 16 Mar 2022 12:47
 Operator : VA/SY
 Sample : VD0316SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 16 15:00:05 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	453874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	738107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	694165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	351168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	246456	48.724	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.440%		
35) Dibromofluoromethane	7.914	113	243967	46.970	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.940%		
50) Toluene-d8	10.332	98	899808	47.377	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.760%		
62) 4-Bromofluorobenzene	12.620	95	344572	46.693	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	71489	17.029	ug/l	93
3) Chloromethane	2.209	50	67307	18.043	ug/l	97
4) Vinyl Chloride	2.350	62	63770	17.710	ug/l	97
5) Bromomethane	2.750	94	44482	18.971	ug/l	91
6) Chloroethane	2.915	64	45422	19.079	ug/l	100
7) Trichlorofluoromethane	3.268	101	142401	17.511	ug/l	99
8) Diethyl Ether	3.703	74	42271	18.821	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	94233	18.174	ug/l	95
10) Methyl Iodide	4.297	142	54516	13.440	ug/l	95
11) Tert butyl alcohol	5.209	59	15279	52.097	ug/l #	65
12) 1,1-Dichloroethene	4.062	96	71099	17.044	ug/l	98
13) Acrolein	3.920	56	26720	102.102	ug/l	97
14) Allyl chloride	4.709	41	127961	17.545	ug/l	94
15) Acrylonitrile	5.415	53	122511	108.108	ug/l	96
16) Acetone	4.156	43	110058	100.214	ug/l	95
17) Carbon Disulfide	4.403	76	114717	12.938	ug/l	97
18) Methyl Acetate	4.715	43	69646	25.878	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	234678	20.698	ug/l	94
20) Methylene Chloride	4.962	84	109949	15.837	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	79869	17.311	ug/l	94
22) Diisopropyl ether	6.356	45	343597	20.654	ug/l	94
23) Vinyl Acetate	6.303	43	826672	97.371	ug/l #	93
24) 1,1-Dichloroethane	6.262	63	185654	18.923	ug/l	98
25) 2-Butanone	7.209	43	158208	108.044	ug/l	100
26) 2,2-Dichloropropane	7.203	77	159949	18.069	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	107730	18.289	ug/l	98
28) Bromochloromethane	7.544	49	81662	20.676	ug/l	88
29) Tetrahydrofuran	7.556	42	94250	109.463	ug/l	95
30) Chloroform	7.708	83	204680	19.583	ug/l	93
31) Cyclohexane	7.979	56	133252	16.862	ug/l #	89
32) 1,1,1-Trichloroethane	7.903	97	169526	18.262	ug/l	96
36) 1,1-Dichloropropene	8.108	75	124827	17.131	ug/l	99
37) Ethyl Acetate	7.285	43	64941	20.346	ug/l #	92
38) Carbon Tetrachloride	8.091	117	139920	16.893	ug/l	97
39) Methylcyclohexane	9.350	83	130666	15.936	ug/l	99
40) Benzene	8.344	78	374561	18.018	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	46534	25.013	ug/l	96
42) 1,2-Dichloroethane	8.420	62	122359	19.403	ug/l	96
43) Isopropyl Acetate	8.444	43	129626	20.923	ug/l	95
44) Trichloroethene	9.108	130	104237	17.861	ug/l	91
45) 1,2-Dichloropropane	9.379	63	108875	19.097	ug/l	96
46) Dibromomethane	9.473	93	53152	18.953	ug/l	92
47) Bromodichloromethane	9.655	83	160230	19.599	ug/l	99
48) Methyl methacrylate	9.455	41	55680	18.822	ug/l #	79
49) 1,4-Dioxane	9.455	88	14040	417.485	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	357130	109.755	ug/l	96
52) Toluene	10.397	92	245650	17.958	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	145064	19.421	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	164280	19.025	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	87292	20.433	ug/l	94
56) Ethyl methacrylate	10.655	69	101260	20.236	ug/l	89
57) 1,3-Dichloropropane	10.938	76	143860	20.064	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	212463	94.432	ug/l	95
59) 2-Hexanone	10.979	43	249046	110.817	ug/l	97
60) Dibromochloromethane	11.132	129	110183	19.876	ug/l	99
61) 1,2-Dibromoethane	11.238	107	74907	19.404	ug/l	95
64) Tetrachloroethene	10.867	164	86065	17.597	ug/l	97
65) Chlorobenzene	11.661	112	286458	18.614	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	116394	19.126	ug/l	98
67) Ethyl Benzene	11.738	91	499537	18.174	ug/l	99
68) m/p-Xylenes	11.844	106	376667	36.090	ug/l	100
69) o-Xylene	12.173	106	186323	18.664	ug/l	95
70) Styrene	12.185	104	328413	18.839	ug/l	97
71) Bromoform	12.349	173	66664	20.507	ug/l #	99
73) Isopropylbenzene	12.467	105	518607	18.636	ug/l	100
74) N-amyl acetate	12.279	43	129039	21.577	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	103562	20.808	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	66926m	17.277	ug/l	
77) Bromobenzene	12.749	156	120098	19.174	ug/l	94
78) n-propylbenzene	12.808	91	629584	18.626	ug/l	98
79) 2-Chlorotoluene	12.896	91	374881	19.180	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	461920	19.321	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	29728	19.041	ug/l	95
82) 4-Chlorotoluene	12.996	91	391621	19.351	ug/l	100
83) tert-Butylbenzene	13.214	119	395233	18.857	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	456801	19.392	ug/l	100
85) sec-Butylbenzene	13.391	105	594793	18.897	ug/l	99
86) p-Isopropyltoluene	13.502	119	485027	18.726	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	249798	19.029	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	251853	19.348	ug/l	100
89) n-Butylbenzene	13.826	91	465906	18.872	ug/l	98
90) Hexachloroethane	14.096	117	93612	18.441	ug/l	93
91) 1,2-Dichlorobenzene	13.873	146	224112	19.582	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	16883	21.255	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	145261	19.171	ug/l	99
94) Hexachlorobutadiene	15.249	225	82072	18.620	ug/l	99
95) Naphthalene	15.385	128	259038	19.832	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	127874	19.497	ug/l	98

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

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