

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073072.D
 Acq On : 17 May 2022 23:24
 Operator : VA/SY
 Sample : VD0517SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 05:12:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	285396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	498366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	487372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	238602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	186270	52.190	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.380%			
35) Dibromofluoromethane	7.908	113	186244	53.226	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.460%			
50) Toluene-d8	10.332	98	692148	54.526	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.060%			
62) 4-Bromofluorobenzene	12.620	95	243780	53.022	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	68814	19.282	ug/l	99
3) Chloromethane	2.209	50	72180	19.619	ug/l	96
4) Vinyl Chloride	2.344	62	64490	19.060	ug/l	89
5) Bromomethane	2.750	94	46816	19.480	ug/l	86
6) Chloroethane	2.909	64	39323	18.662	ug/l	98
7) Trichlorofluoromethane	3.267	101	116907	18.880	ug/l	94
8) Diethyl Ether	3.709	74	31051	18.326	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	67001	18.273	ug/l	96
10) Methyl Iodide	4.291	142	67224	18.685	ug/l	99
11) Tert butyl alcohol	5.191	59	56493	102.332	ug/l #	79
12) 1,1-Dichloroethene	4.061	96	60978	18.390	ug/l	91
13) Acrolein	3.920	56	30466	98.755	ug/l	93
14) Allyl chloride	4.708	41	101258	19.275	ug/l	93
15) Acrylonitrile	5.414	53	76903	94.703	ug/l	99
16) Acetone	4.150	43	55476	85.892	ug/l #	88
17) Carbon Disulfide	4.409	76	209294	18.846	ug/l	97
18) Methyl Acetate	4.708	43	37339	20.046	ug/l #	90
19) Methyl tert-butyl Ether	5.479	73	146344	18.873	ug/l	96
20) Methylene Chloride	4.961	84	95407	20.352	ug/l #	85
21) trans-1,2-Dichloroethene	5.467	96	74735	18.948	ug/l	91
22) Diisopropyl ether	6.361	45	223648	19.834	ug/l #	95
23) Vinyl Acetate	6.297	43	586721	96.319	ug/l	96
24) 1,1-Dichloroethane	6.261	63	139607	19.901	ug/l	96
25) 2-Butanone	7.208	43	93281	95.377	ug/l	91
26) 2,2-Dichloropropane	7.202	77	103364	17.404	ug/l	95
27) cis-1,2-Dichloroethene	7.202	96	84792	19.495	ug/l	90
28) Bromochloromethane	7.544	49	45819	19.068	ug/l	86
29) Tetrahydrofuran	7.561	42	59912	95.199	ug/l	93
30) Chloroform	7.708	83	145133	19.336	ug/l	96
31) Cyclohexane	7.979	56	116132	18.064	ug/l #	89
32) 1,1,1-Trichloroethane	7.897	97	122607	19.067	ug/l	97
36) 1,1-Dichloropropene	8.108	75	103697	18.188	ug/l	96
37) Ethyl Acetate	7.285	43	42565	17.777	ug/l #	94
38) Carbon Tetrachloride	8.091	117	105754	18.130	ug/l	96
39) Methylcyclohexane	9.349	83	107989	16.243	ug/l	95
40) Benzene	8.344	78	316639	19.423	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	28266	20.935	ug/l	93
42) 1,2-Dichloroethane	8.414	62	92918	19.582	ug/l	97
43) Isopropyl Acetate	8.444	43	83229	18.696	ug/l #	93
44) Trichloroethene	9.108	130	82542	18.719	ug/l	91
45) 1,2-Dichloropropane	9.379	63	79861	18.864	ug/l	95
46) Dibromomethane	9.467	93	43912	18.758	ug/l	98
47) Bromodichloromethane	9.655	83	113699	19.123	ug/l	94
48) Methyl methacrylate	9.449	41	41629	18.852	ug/l	90
49) 1,4-Dioxane	9.455	88	9580	393.071	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	216526	93.202	ug/l	95
52) Toluene	10.396	92	201745	19.492	ug/l	96
53) t-1,3-Dichloropropene	10.608	75	97025	17.893	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	119943	18.760	ug/l	91
55) 1,1,2-Trichloroethane	10.785	97	60621	18.972	ug/l	93
56) Ethyl methacrylate	10.649	69	67321	18.630	ug/l #	87
57) 1,3-Dichloropropane	10.938	76	101635	18.694	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	148154	92.803	ug/l	98
59) 2-Hexanone	10.973	43	140738	91.705	ug/l	94
60) Dibromochloromethane	11.132	129	75919	19.124	ug/l	98
61) 1,2-Dibromoethane	11.238	107	57431	18.679	ug/l	98
64) Tetrachloroethene	10.867	164	66515	18.628	ug/l	97
65) Chlorobenzene	11.661	112	211153	19.108	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.732	131	77588	18.380	ug/l	96
67) Ethyl Benzene	11.732	91	359552	18.686	ug/l	99
68) m/p-Xylenes	11.843	106	288151	38.640	ug/l	99
69) o-Xylene	12.167	106	132135	19.214	ug/l	94
70) Styrene	12.185	104	228600	19.031	ug/l	97
71) Bromoform	12.349	173	42210	18.991	ug/l #	100
73) Isopropylbenzene	12.467	105	337041	18.636	ug/l	99
74) N-amyl acetate	12.279	43	78410	18.552	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	69535	19.502	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	48493m	17.979	ug/l	
77) Bromobenzene	12.749	156	84823	19.656	ug/l	92
78) n-propylbenzene	12.808	91	436442	19.216	ug/l	99
79) 2-Chlorotoluene	12.896	91	254697	19.250	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	303425	19.693	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.508	75	19259	17.121	ug/l	94
82) 4-Chlorotoluene	12.990	91	276949	19.778	ug/l	99
83) tert-Butylbenzene	13.208	119	231271	17.721	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	298916	19.500	ug/l	97
85) sec-Butylbenzene	13.390	105	368659	18.610	ug/l	99
86) p-Isopropyltoluene	13.502	119	304760	18.913	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	170924	19.271	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	170042	19.401	ug/l	98
89) n-Butylbenzene	13.826	91	282704	18.041	ug/l	99
90) Hexachloroethane	14.096	117	64641	19.306	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	149369	19.417	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	9848	17.769	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	82743	18.852	ug/l	97
94) Hexachlorobutadiene	15.249	225	44429	18.135	ug/l	99
95) Naphthalene	15.384	128	140842	18.120	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	71235	18.280	ug/l	95

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

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