

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
 Data File : VD072948.D
 Acq On : 12 May 2022 15:25
 Operator : VA/SY
 Sample : VD0512SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 05:55:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	320132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	528211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	505643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	250112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	182896	44.012	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.020%		
35) Dibromofluoromethane	7.908	113	192884	51.995	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.980%		
50) Toluene-d8	10.332	98	706832	53.117	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.240%		
62) 4-Bromofluorobenzene	12.620	95	260063	52.413	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	86423	19.536	ug/l	97
3) Chloromethane	2.209	50	78733	17.114	ug/l	95
4) Vinyl Chloride	2.344	62	78789	19.086	ug/l	98
5) Bromomethane	2.744	94	50911	19.095	ug/l	90
6) Chloroethane	2.909	64	47239	18.360	ug/l	96
7) Trichlorofluoromethane	3.267	101	146309	20.240	ug/l	92
8) Diethyl Ether	3.708	74	35417	17.090	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	89169	20.777	ug/l	96
10) Methyl Iodide	4.291	142	77072	17.895	ug/l	98
11) Tert butyl alcohol	5.185	59	70200	195.248	ug/l #	74
12) 1,1-Dichloroethene	4.061	96	75356	19.521	ug/l	91
13) Acrolein	3.920	56	18345	60.710	ug/l	92
14) Allyl chloride	4.714	41	119135	19.116	ug/l	90
15) Acrylonitrile	5.420	53	83204	84.478	ug/l	97
16) Acetone	4.156	43	67775	77.517	ug/l	95
17) Carbon Disulfide	4.403	76	215504	17.755	ug/l	96
18) Methyl Acetate	4.714	43	44457	19.510	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	162736	17.585	ug/l	94
20) Methylene Chloride	4.961	84	111295	18.416	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	85281	19.263	ug/l	92
22) Diisopropyl ether	6.355	45	250307	18.258	ug/l	97
23) Vinyl Acetate	6.302	43	627059	82.798	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	158821	19.282	ug/l	98
25) 2-Butanone	7.208	43	98605	81.438	ug/l #	89
26) 2,2-Dichloropropane	7.202	77	139793	20.076	ug/l	99
27) cis-1,2-Dichloroethene	7.202	96	94778	18.692	ug/l	94
28) Bromochloromethane	7.544	49	54310	17.681	ug/l	86
29) Tetrahydrofuran	7.561	42	64150	83.121	ug/l	95
30) Chloroform	7.702	83	167279	19.194	ug/l	98
31) Cyclohexane	7.979	56	142440	19.608	ug/l #	86
32) 1,1,1-Trichloroethane	7.897	97	153033	20.602	ug/l	97
36) 1,1-Dichloropropene	8.108	75	126210	20.923	ug/l	96
37) Ethyl Acetate	7.291	43	50324	18.148	ug/l	97
38) Carbon Tetrachloride	8.091	117	137421	21.947	ug/l	98
39) Methylcyclohexane	9.349	83	141445	20.216	ug/l	93
40) Benzene	8.344	78	352432	20.232	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	26509	16.055	ug/l #	90
42) 1,2-Dichloroethane	8.414	62	97258	18.528	ug/l	97
43) Isopropyl Acetate	8.449	43	92543	18.082	ug/l	94
44) Trichloroethene	9.108	130	96028	20.605	ug/l	94
45) 1,2-Dichloropropane	9.379	63	90104	19.696	ug/l	95
46) Dibromomethane	9.467	93	47299	18.743	ug/l	99
47) Bromodichloromethane	9.655	83	125819	19.381	ug/l	99
48) Methyl methacrylate	9.449	41	44933	17.946	ug/l	92
49) 1,4-Dioxane	9.461	88	9245	325.336	ug/l	88
51) 4-Methyl-2-Pentanone	10.220	43	238742	89.769	ug/l	95
52) Toluene	10.396	92	223391	20.558	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	111171	18.644	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	132889	19.182	ug/l	92
55) 1,1,2-Trichloroethane	10.790	97	66709	19.555	ug/l	95
56) Ethyl methacrylate	10.655	69	71942	17.911	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	107009	18.279	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	159660	81.986	ug/l	95
59) 2-Hexanone	10.973	43	154184	86.158	ug/l	97
60) Dibromochloromethane	11.132	129	82146	19.128	ug/l	98
61) 1,2-Dibromoethane	11.238	107	60831	18.320	ug/l	99
64) Tetrachloroethene	10.867	164	81646	22.085	ug/l	95
65) Chlorobenzene	11.661	112	236659	20.236	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	91905	20.910	ug/l	97
67) Ethyl Benzene	11.738	91	426569	21.076	ug/l	100
68) m/p-Xylenes	11.843	106	336569	43.169	ug/l	99
69) o-Xylene	12.173	106	150485	20.667	ug/l	98
70) Styrene	12.185	104	264885	20.996	ug/l	97
71) Bromoform	12.349	173	46698	19.604	ug/l #	99
73) Isopropylbenzene	12.467	105	424722	21.826	ug/l	100
74) N-amyl acetate	12.279	43	88526	18.268	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	73847	18.800	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	52609m	18.864	ug/l	
77) Bromobenzene	12.749	156	94697	20.493	ug/l	92
78) n-propylbenzene	12.808	91	532173	21.699	ug/l	98
79) 2-Chlorotoluene	12.896	91	302147	21.090	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	354951	21.512	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	22185	18.293	ug/l	89
82) 4-Chlorotoluene	12.990	91	319606	21.351	ug/l	99
83) tert-Butylbenzene	13.208	119	308873	22.018	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	349242	21.175	ug/l	98
85) sec-Butylbenzene	13.384	105	480585	22.714	ug/l	100
86) p-Isopropyltoluene	13.502	119	381753	22.007	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	194331	20.876	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	189398	20.431	ug/l	99
89) n-Butylbenzene	13.826	91	365404	21.745	ug/l	99
90) Hexachloroethane	14.096	117	76753	21.598	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	167818	20.686	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	10697	17.179	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	98000	20.397	ug/l	97
94) Hexachlorobutadiene	15.249	225	58502	22.295	ug/l	99
95) Naphthalene	15.378	128	163550	18.514	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	84496	19.839	ug/l	99

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

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