

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042822\
 Data File : VD072722.D
 Acq On : 28 Apr 2022 13:58
 Operator : VA/SY
 Sample : VD0428SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0428SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/29/2022
 Supervised By :Mahesh Dadoda 04/29/2022

Quant Time: Apr 29 01:21:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D042722S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 27 16:01:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	340419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	598496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	569435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	270291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207804	45.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.960%		
35) Dibromofluoromethane	7.909	113	184461	46.281	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.560%		
50) Toluene-d8	10.332	98	663697	46.190	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.380%		
62) 4-Bromofluorobenzene	12.620	95	243784	44.985	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	97943	21.112	ug/l	91
3) Chloromethane	2.209	50	108531	20.715	ug/l	98
4) Vinyl Chloride	2.350	62	95605	20.238	ug/l	99
5) Bromomethane	2.756	94	62288	20.412	ug/l	92
6) Chloroethane	2.915	64	58414	20.380	ug/l	96
7) Trichlorofluoromethane	3.268	101	157839	20.889	ug/l	97
8) Diethyl Ether	3.709	74	42836	19.130	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	90597	21.030	ug/l	96
10) Methyl Iodide	4.297	142	96277	21.881	ug/l	97
11) Tert butyl alcohol	5.191	59	58718	177.022	ug/l #	74
12) 1,1-Dichloroethene	4.068	96	85739	21.265	ug/l	91
13) Acrolein	3.921	56	37036	96.766	ug/l	99
14) Allyl chloride	4.715	41	132475	19.406	ug/l	95
15) Acrylonitrile	5.420	53	102559	98.269	ug/l	95
16) Acetone	4.156	43	80137	90.475	ug/l	98
17) Carbon Disulfide	4.409	76	284443	21.003	ug/l	98
18) Methyl Acetate	4.715	43	50706	19.867	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	195495	19.345	ug/l	98
20) Methylene Chloride	4.962	84	121674	9.939	ug/l	90
21) trans-1,2-Dichloroethene	5.468	96	98990	20.794	ug/l	92
22) Diisopropyl ether	6.362	45	302512	20.535	ug/l	98
23) Vinyl Acetate	6.303	43	799076	96.061	ug/l #	95
24) 1,1-Dichloroethane	6.262	63	179093	20.617	ug/l	98
25) 2-Butanone	7.203	43	116609	88.222	ug/l	94
26) 2,2-Dichloropropane	7.203	77	145880	20.358	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	109191	20.700	ug/l	93
28) Bromochloromethane	7.544	49	65453	19.348	ug/l	92
29) Tetrahydrofuran	7.556	42	79452	95.522	ug/l	94
30) Chloroform	7.703	83	187112	20.843	ug/l	93
31) Cyclohexane	7.985	56	162431	20.701	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	160159	21.054	ug/l	97
36) 1,1-Dichloropropene	8.109	75	139707	20.921	ug/l	99
37) Ethyl Acetate	7.291	43	61927	20.362	ug/l #	95
38) Carbon Tetrachloride	8.097	117	138654	20.544	ug/l	99
39) Methylcyclohexane	9.350	83	161241	20.852	ug/l	96
40) Benzene	8.344	78	396846	20.873	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	33546	19.226	ug/l	92
42) 1,2-Dichloroethane	8.420	62	115953	19.351	ug/l	98
43) Isopropyl Acetate	8.444	43	108851	18.835	ug/l	94
44) Trichloroethene	9.108	130	103227	20.522	ug/l	98
45) 1,2-Dichloropropane	9.379	63	99453	20.226	ug/l	100
46) Dibromomethane	9.467	93	52729	18.933	ug/l	96
47) Bromodichloromethane	9.656	83	139511	19.708	ug/l	96
48) Methyl methacrylate	9.444	41	57558	19.855	ug/l	93
49) 1,4-Dioxane	9.450	88	11614	377.848	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	279467	94.097	ug/l	96
52) Toluene	10.397	92	249839	21.035	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	127939	19.585	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	156119	20.490	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	73732	19.668	ug/l	97
56) Ethyl methacrylate	10.655	69	86893	19.782	ug/l	90
57) 1,3-Dichloropropane	10.938	76	125347	19.602	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	176496	89.013	ug/l	98
59) 2-Hexanone	10.973	43	184694	92.744	ug/l	100
60) Dibromochloromethane	11.132	129	90379	19.637	ug/l	100
61) 1,2-Dibromoethane	11.238	107	71369	20.064	ug/l	100
64) Tetrachloroethene	10.867	164	81841	20.955	ug/l	91
65) Chlorobenzene	11.661	112	262564	20.888	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	96237	20.424	ug/l	97
67) Ethyl Benzene	11.732	91	464139	21.031	ug/l	100
68) m/p-Xylenes	11.844	106	361830	42.994	ug/l	100
69) o-Xylene	12.167	106	165683	20.832	ug/l	99
70) Styrene	12.185	104	293209	21.662	ug/l	98
71) Bromoform	12.350	173	50494	19.964	ug/l #	100
73) Isopropylbenzene	12.467	105	433373	20.975	ug/l	99
74) N-amyl acetate	12.273	43	98753	18.501	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	82340	19.885	ug/l	99
76) 1,2,3-Trichloropropane	12.761	75	56134m	19.353	ug/l	
77) Bromobenzene	12.749	156	99790	20.284	ug/l	95
78) n-propylbenzene	12.808	91	557336	21.583	ug/l	100
79) 2-Chlorotoluene	12.897	91	319542	21.146	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	367473	21.036	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	25072	19.100	ug/l	93
82) 4-Chlorotoluene	12.991	91	333965	20.996	ug/l	99
83) tert-Butylbenzene	13.208	119	309137	21.157	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	366979	21.039	ug/l	99
85) sec-Butylbenzene	13.385	105	467005	21.157	ug/l	100
86) p-Isopropyltoluene	13.502	119	384534	21.284	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	205493	21.231	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	198093	20.517	ug/l	99
89) n-Butylbenzene	13.826	91	364708	20.748	ug/l	99
90) Hexachloroethane	14.096	117	76821	21.203	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	173063	20.380	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.491	75	11472	16.877	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	99538	20.177	ug/l	99
94) Hexachlorobutadiene	15.249	225	52622	20.090	ug/l	96
95) Naphthalene	15.379	128	176847	19.037	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	86991	20.006	ug/l	98

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

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