

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
 Data File : VD072764.D
 Acq On : 03 May 2022 13:03
 Operator : VA/SY
 Sample : VD0503SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0503SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/04/2022
 Supervised By : Mahesh Dadoda 05/04/2022

Quant Time: May 03 16:50:28 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	297693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	507583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	502359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	249470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	197077	51.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.000%
35) Dibromofluoromethane	7.914	113	190504	53.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.880%
50) Toluene-d8	10.332	98	679953	53.174	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.340%
62) 4-Bromofluorobenzene	12.620	95	252191	52.892	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.780%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	91036	22.130	ug/l	99
3) Chloromethane	2.209	50	87657	20.490	ug/l	97
4) Vinyl Chloride	2.350	62	81523	21.236	ug/l	98
5) Bromomethane	2.756	94	55678	22.737	ug/l	96
6) Chloroethane	2.915	64	50967	21.303	ug/l	98
7) Trichlorofluoromethane	3.268	101	146544	21.800	ug/l	100
8) Diethyl Ether	3.709	74	38842	20.155	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	87750	21.988	ug/l	96
10) Methyl Iodide	4.297	142	82651	20.636	ug/l	99
11) Tert butyl alcohol	5.191	59	52620	157.384	ug/l #	74
12) 1,1-Dichloroethene	4.068	96	76116	21.204	ug/l	89
13) Acrolein	3.921	56	27990	111.236	ug/l	98
14) Allyl chloride	4.715	41	119547	20.628	ug/l	94
15) Acrylonitrile	5.415	53	90383	98.684	ug/l	98
16) Acetone	4.156	43	70081	87.850	ug/l	92
17) Carbon Disulfide	4.409	76	235203	20.839	ug/l	97
18) Methyl Acetate	4.709	43	45134	21.323	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	173316	20.140	ug/l	92
20) Methylene Chloride	4.956	84	114715	21.193	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	88639	21.531	ug/l	88
22) Diisopropyl ether	6.367	45	274287	21.515	ug/l	94
23) Vinyl Acetate	6.303	43	709757	100.781	ug/l #	95
24) 1,1-Dichloroethane	6.262	63	161099	21.033	ug/l	99
25) 2-Butanone	7.203	43	109628	97.367	ug/l	96
26) 2,2-Dichloropropane	7.209	77	133980	20.691	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	102117	21.657	ug/l	90
28) Bromochloromethane	7.538	49	57540	20.145	ug/l	84
29) Tetrahydrofuran	7.556	42	71073	99.033	ug/l	95
30) Chloroform	7.709	83	172677	21.306	ug/l	99
31) Cyclohexane	7.979	56	141654	20.970	ug/l #	87
32) 1,1,1-Trichloroethane	7.897	97	148592	21.512	ug/l	98
36) 1,1-Dichloropropene	8.109	75	127327	21.966	ug/l	97
37) Ethyl Acetate	7.291	43	53044	19.906	ug/l #	94
38) Carbon Tetrachloride	8.091	117	132139	21.961	ug/l	93
39) Methylcyclohexane	9.350	83	141609	21.062	ug/l	98
40) Benzene	8.344	78	358379	21.409	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	28031	17.667	ug/l #	87
42) 1,2-Dichloroethane	8.420	62	107364	21.284	ug/l	97
43) Isopropyl Acetate	8.450	43	100362	20.406	ug/l #	95
44) Trichloroethene	9.103	130	94188	21.032	ug/l	99
45) 1,2-Dichloropropane	9.379	63	94428	21.480	ug/l	97
46) Dibromomethane	9.467	93	49837	20.552	ug/l	97
47) Bromodichloromethane	9.656	83	131525	21.084	ug/l	95
48) Methyl methacrylate	9.450	41	49685	20.650	ug/l	91
49) 1,4-Dioxane	9.456	88	11432	418.646	ug/l	91
51) 4-Methyl-2-Pentanone	10.220	43	257455	100.739	ug/l	94
52) Toluene	10.397	92	234649	22.472	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	117775	20.554	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	142404	21.391	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	67525	20.598	ug/l	97
56) Ethyl methacrylate	10.655	69	79167	20.511	ug/l	90
57) 1,3-Dichloropropane	10.938	76	118559	21.075	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	176346	94.234	ug/l	96
59) 2-Hexanone	10.973	43	167152	97.200	ug/l	95
60) Dibromochloromethane	11.132	129	84402	20.452	ug/l	100
61) 1,2-Dibromoethane	11.238	107	66148	20.731	ug/l	98
64) Tetrachloroethene	10.867	164	78985	21.505	ug/l	99
65) Chlorobenzene	11.661	112	247082	21.265	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	92690	21.227	ug/l	99
67) Ethyl Benzene	11.738	91	426901	21.230	ug/l	95
68) m/p-Xylenes	11.844	106	337784	43.608	ug/l	99
69) o-Xylene	12.173	106	154171	21.312	ug/l	96
70) Styrene	12.185	104	269407	21.494	ug/l	98
71) Bromoform	12.349	173	48033	20.296	ug/l #	98
73) Isopropylbenzene	12.467	105	408041	21.023	ug/l	100
74) N-amyl acetate	12.279	43	97728	20.219	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	78048	19.920	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	55265m	19.867	ug/l	
77) Bromobenzene	12.749	156	99249	21.534	ug/l	94
78) n-propylbenzene	12.808	91	521906	21.335	ug/l	99
79) 2-Chlorotoluene	12.897	91	298617	20.897	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	355485	21.600	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	24506	20.258	ug/l	88
82) 4-Chlorotoluene	12.991	91	313677	21.009	ug/l	100
83) tert-Butylbenzene	13.208	119	293449	20.972	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	355018	21.581	ug/l	100
85) sec-Butylbenzene	13.385	105	453566	21.493	ug/l	100
86) p-Isopropyltoluene	13.502	119	366020	21.154	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	196435	21.157	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	191608	20.723	ug/l	98
89) n-Butylbenzene	13.826	91	354420	21.145	ug/l	99
90) Hexachloroethane	14.096	117	75409	21.274	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	170406	21.059	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	11616	18.703	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	96143	20.062	ug/l	99
94) Hexachlorobutadiene	15.249	225	53093	20.286	ug/l	97
95) Naphthalene	15.385	128	167435	19.003	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	82857	19.504	ug/l	97

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

