

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010322\
 Data File : VD071564.D
 Acq On : 03 Jan 2022 13:57
 Operator : VA/SY
 Sample : VD0103SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/04/2022
 Supervised By : Mahesh Dadoda 01/04/2022

Quant Time: Jan 03 15:57:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	312547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	530875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	490365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	235221	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	213478	51.429	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.860%	
35) Dibromofluoromethane	7.914	113	186049	52.145	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.300%	
50) Toluene-d8	10.338	98	682213	50.597	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	12.626	95	245177	51.172	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.340%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	62768	19.166	ug/l	91
3) Chloromethane	2.215	50	76466	18.234	ug/l	98
4) Vinyl Chloride	2.356	62	86729	17.258	ug/l	97
5) Bromomethane	2.762	94	66735	18.982	ug/l	98
6) Chloroethane	2.926	64	62096	18.619	ug/l	91
7) Trichlorofluoromethane	3.279	101	130287	21.178	ug/l	95
8) Diethyl Ether	3.709	74	34091	19.356	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.103	101	76464	21.364	ug/l	94
10) Methyl Iodide	4.309	142	64281	18.468	ug/l	92
11) Tert butyl alcohol	5.214	59	21689	36.552	ug/l	96
12) 1,1-Dichloroethene	4.073	96	66468	20.413	ug/l	87
13) Acrolein	3.932	56	15396	76.782	ug/l	99
14) Allyl chloride	4.726	41	125541	20.383	ug/l #	80
15) Acrylonitrile	5.420	53	90658	104.523	ug/l	95
16) Acetone	4.156	43	99918	95.834	ug/l	96
17) Carbon Disulfide	4.414	76	176597	16.645	ug/l	99
18) Methyl Acetate	4.720	43	69384	21.561	ug/l	92
19) Methyl tert-butyl Ether	5.485	73	173421	20.631	ug/l	100
20) Methylene Chloride	4.961	84	110686	24.622	ug/l #	84
21) trans-1,2-Dichloroethene	5.473	96	76702	20.337	ug/l	94
22) Diisopropyl ether	6.361	45	271868	21.683	ug/l #	93
23) Vinyl Acetate	6.303	43	653104	101.044	ug/l #	94
24) 1,1-Dichloroethane	6.267	63	153726	21.387	ug/l	97
25) 2-Butanone	7.208	43	124141	99.683	ug/l #	86
26) 2,2-Dichloropropane	7.214	77	132110	22.369	ug/l	94
27) cis-1,2-Dichloroethene	7.214	96	87930	21.078	ug/l	89
28) Bromochloromethane	7.550	49	59906	20.338	ug/l	87
29) Tetrahydrofuran	7.555	42	74684	99.881	ug/l	92
30) Chloroform	7.708	83	157090	21.660	ug/l	95
31) Cyclohexane	7.985	56	134336	19.051	ug/l	92
32) 1,1,1-Trichloroethane	7.902	97	141408	21.984	ug/l	94
36) 1,1-Dichloropropene	8.114	75	118406	20.772	ug/l	96
37) Ethyl Acetate	7.291	43	53826	20.454	ug/l	94
38) Carbon Tetrachloride	8.097	117	123195	21.906	ug/l	92
39) Methylcyclohexane	9.355	83	128565	19.267	ug/l	97
40) Benzene	8.350	78	322330	21.035	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	29382	18.797	ug/l #	77
42) 1,2-Dichloroethane	8.426	62	105688	21.151	ug/l	94
43) Isopropyl Acetate	8.444	43	105483	20.198	ug/l	90
44) Trichloroethene	9.114	130	82102	20.560	ug/l	94
45) 1,2-Dichloropropane	9.385	63	85445	21.489	ug/l	99
46) Dibromomethane	9.467	93	45983	20.932	ug/l	94
47) Bromodichloromethane	9.661	83	123683	22.176	ug/l	98
48) Methyl methacrylate	9.449	41	53240	20.601	ug/l #	82
49) 1,4-Dioxane	9.455	88	9360	377.046	ug/l #	80
51) 4-Methyl-2-Pentanone	10.226	43	274861	100.037	ug/l	89
52) Toluene	10.402	92	208987	21.469	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	111373	21.384	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	126782	21.066	ug/l #	78
55) 1,1,2-Trichloroethane	10.796	97	60620	21.740	ug/l	97
56) Ethyl methacrylate	10.655	69	75965	20.702	ug/l #	74
57) 1,3-Dichloropropane	10.944	76	110472	21.629	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	179530	102.139	ug/l	99
59) 2-Hexanone	10.979	43	194212	99.999	ug/l	88
60) Dibromochloromethane	11.132	129	76097	21.709	ug/l	99
61) 1,2-Dibromoethane	11.238	107	58731	21.265	ug/l	98
64) Tetrachloroethene	10.873	164	69975	20.535	ug/l	97
65) Chlorobenzene	11.667	112	213240	21.200	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	84496	22.995	ug/l	93
67) Ethyl Benzene	11.738	91	402355	21.494	ug/l	98
68) m/p-Xylenes	11.849	106	301615	42.410	ug/l	95
69) o-Xylene	12.173	106	141819	21.816	ug/l	96
70) Styrene	12.191	104	240134	21.264	ug/l	96
71) Bromoform	12.355	173	42813	21.531	ug/l #	97
73) Isopropylbenzene	12.473	105	389261	21.465	ug/l	100
74) N-amyl acetate	12.279	43	96556	19.846	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	68759	20.972	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	50577m	18.096	ug/l	
77) Bromobenzene	12.749	156	83725	20.748	ug/l	95
78) n-propylbenzene	12.814	91	488296	21.482	ug/l	100
79) 2-Chlorotoluene	12.902	91	273811	21.555	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	325033	21.730	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	19804	20.021	ug/l #	69
82) 4-Chlorotoluene	12.996	91	284462	21.588	ug/l	99
83) tert-Butylbenzene	13.214	119	275142	21.527	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	319590	21.588	ug/l	98
85) sec-Butylbenzene	13.390	105	420202	21.565	ug/l	99
86) p-Isopropyltoluene	13.508	119	345547	21.372	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	171164	21.062	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	173102	21.723	ug/l	98
89) n-Butylbenzene	13.832	91	339276	21.380	ug/l	99
90) Hexachloroethane	14.096	117	69008	22.531	ug/l	91
91) 1,2-Dichlorobenzene	13.879	146	147814	21.431	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	11449	20.136	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	86508	20.582	ug/l	99
94) Hexachlorobutadiene	15.249	225	49239	21.869	ug/l	99
95) Naphthalene	15.384	128	160746	20.093	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	74967	20.622	ug/l	98

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

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