

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072339.D
 Acq On : 21 Mar 2022 14:41
 Operator : VA/SY
 Sample : VD0321SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 22 02:11:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	337606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	557650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	525726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	271565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	190340	50.590	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.180%			
35) Dibromofluoromethane	7.908	113	188303	47.985	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.960%			
50) Toluene-d8	10.332	98	674286	46.992	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.980%			
62) 4-Bromofluorobenzene	12.620	95	260642	46.749	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	55614	17.810	ug/l	98
3) Chloromethane	2.209	50	49219	17.738	ug/l	100
4) Vinyl Chloride	2.344	62	49362	18.429	ug/l	95
5) Bromomethane	2.756	94	35795	20.523	ug/l	84
6) Chloroethane	2.914	64	35647	20.130	ug/l	96
7) Trichlorofluoromethane	3.267	101	115002	19.013	ug/l	99
8) Diethyl Ether	3.709	74	32118	19.226	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	75452	19.563	ug/l	99
10) Methyl Iodide	4.297	142	42113	13.872	ug/l	99
11) Tert butyl alcohol	5.226	59	23822	109.200	ug/l	96
12) 1,1-Dichloroethene	4.067	96	54136	17.447	ug/l	95
13) Acrolein	3.926	56	18868	96.928	ug/l	100
14) Allyl chloride	4.714	41	103314	19.044	ug/l	94
15) Acrylonitrile	5.420	53	95996	113.883	ug/l	99
16) Acetone	4.150	43	80078	98.027	ug/l	93
17) Carbon Disulfide	4.403	76	84276	12.797	ug/l	95
18) Methyl Acetate	4.720	43	54557	27.253	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	175687	20.832	ug/l	100
20) Methylene Chloride	4.956	84	94026	19.312	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	62357	18.170	ug/l	98
22) Diisopropyl ether	6.361	45	273979	22.141	ug/l	97
23) Vinyl Acetate	6.308	43	642700	101.772	ug/l	97
24) 1,1-Dichloroethane	6.261	63	151899	20.815	ug/l	99
25) 2-Butanone	7.203	43	120698	110.815	ug/l	99
26) 2,2-Dichloropropane	7.203	77	128246	19.477	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	86988	19.853	ug/l	94
28) Bromochloromethane	7.550	49	61732	21.012	ug/l	88
29) Tetrahydrofuran	7.561	42	74114	115.721	ug/l	96
30) Chloroform	7.702	83	165412	21.276	ug/l	99
31) Cyclohexane	7.979	56	98154	16.698	ug/l #	93
32) 1,1,1-Trichloroethane	7.897	97	137562	19.922	ug/l	98
36) 1,1-Dichloropropene	8.108	75	96817	17.587	ug/l	98
37) Ethyl Acetate	7.291	43	52446	21.748	ug/l	96
38) Carbon Tetrachloride	8.097	117	117284	18.742	ug/l	97
39) Methylcyclohexane	9.349	83	95788	15.462	ug/l	98
40) Benzene	8.350	78	297668	18.953	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	30688	21.833	ug/l	87
42) 1,2-Dichloroethane	8.420	62	102436	21.501	ug/l	98
43) Isopropyl Acetate	8.450	43	99263	21.207	ug/l	95
44) Trichloroethene	9.108	130	81595	18.506	ug/l	100
45) 1,2-Dichloropropane	9.379	63	89631	20.809	ug/l	100
46) Dibromomethane	9.473	93	45119	21.295	ug/l	95
47) Bromodichloromethane	9.655	83	132310	21.421	ug/l	97
48) Methyl methacrylate	9.449	41	48355	21.636	ug/l	88
49) 1,4-Dioxane	9.455	88	10811	425.498	ug/l	90
51) 4-Methyl-2-Pentanone	10.220	43	285973	116.327	ug/l	96
52) Toluene	10.396	92	199060	19.261	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	114979	20.374	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	131521	20.160	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	71703	22.215	ug/l	98
56) Ethyl methacrylate	10.655	69	79765	21.099	ug/l	88
57) 1,3-Dichloropropane	10.938	76	116188	21.449	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	162545	95.624	ug/l	96
59) 2-Hexanone	10.979	43	192038	113.102	ug/l	98
60) Dibromochloromethane	11.132	129	90457	21.598	ug/l	98
61) 1,2-Dibromoethane	11.238	107	60020	20.579	ug/l	99
64) Tetrachloroethene	10.873	164	65174	17.595	ug/l	95
65) Chlorobenzene	11.661	112	229319	19.675	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	96479	20.933	ug/l	97
67) Ethyl Benzene	11.738	91	389853	18.728	ug/l	98
68) m/p-Xylenes	11.849	106	298870	37.811	ug/l	99
69) o-Xylene	12.173	106	142491	18.846	ug/l	99
70) Styrene	12.185	104	261688	19.821	ug/l	99
71) Bromoform	12.349	173	54026	21.944	ug/l #	100
73) Isopropylbenzene	12.467	105	402731	18.714	ug/l	99
74) N-amyl acetate	12.279	43	100003	21.624	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	87127	22.637	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	65220m	21.772	ug/l	
77) Bromobenzene	12.749	156	97754	20.182	ug/l	93
78) n-propylbenzene	12.808	91	505293	19.331	ug/l	99
79) 2-Chlorotoluene	12.896	91	298208	19.729	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	365725	19.782	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	25198	20.870	ug/l	93
82) 4-Chlorotoluene	12.996	91	311680	19.915	ug/l	100
83) tert-Butylbenzene	13.214	119	309227	19.078	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	367822	20.192	ug/l	99
85) sec-Butylbenzene	13.390	105	476478	19.575	ug/l	99
86) p-Isopropyltoluene	13.502	119	388708	19.407	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	207469	20.438	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	204957	20.361	ug/l	99
89) n-Butylbenzene	13.832	91	375098	19.647	ug/l	100
90) Hexachloroethane	14.096	117	79484	20.247	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	182147	20.580	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12646	20.588	ug/l	86
93) 1,2,4-Trichlorobenzene	15.143	180	115405	19.695	ug/l	97
94) Hexachlorobutadiene	15.249	225	63869	18.738	ug/l	96
95) Naphthalene	15.384	128	202719	20.070	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	102085	20.127	ug/l	97

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

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