

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
 Data File : VD072400.D
 Acq On : 24 Mar 2022 11:30
 Operator : VA/SY
 Sample : VD0324SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 24 16:45:07 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	397843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	651146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	594797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	299379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	217799	49.123	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.240%		
35) Dibromofluoromethane	7.908	113	220225	48.061	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.120%		
50) Toluene-d8	10.338	98	784223	46.806	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.620%		
62) 4-Bromofluorobenzene	12.626	95	303830	46.670	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	66821	18.159	ug/l	92
3) Chloromethane	2.209	50	63367	19.379	ug/l	98
4) Vinyl Chloride	2.350	62	63961	20.264	ug/l	99
5) Bromomethane	2.756	94	42022	20.445	ug/l	92
6) Chloroethane	2.914	64	44781	21.459	ug/l	89
7) Trichlorofluoromethane	3.273	101	139985	19.639	ug/l	98
8) Diethyl Ether	3.708	74	40346	20.494	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	95564	21.026	ug/l	98
10) Methyl Iodide	4.303	142	64369	17.331	ug/l	98
11) Tert butyl alcohol	5.226	59	31522	122.619	ug/l #	92
12) 1,1-Dichloroethene	4.073	96	69422	18.986	ug/l	97
13) Acrolein	3.926	56	19331	84.271	ug/l	99
14) Allyl chloride	4.714	41	133933	20.950	ug/l	95
15) Acrylonitrile	5.414	53	118068	118.861	ug/l	99
16) Acetone	4.155	43	107319	111.482	ug/l	95
17) Carbon Disulfide	4.408	76	102484	13.157	ug/l	98
18) Methyl Acetate	4.714	43	68206	28.912	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	230746	23.218	ug/l	99
20) Methylene Chloride	4.967	84	102749	17.372	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	77110	19.067	ug/l	98
22) Diisopropyl ether	6.367	45	350793	24.057	ug/l	91
23) Vinyl Acetate	6.302	43	812301	109.153	ug/l	97
24) 1,1-Dichloroethane	6.261	63	189404	22.024	ug/l	99
25) 2-Butanone	7.208	43	153167	119.334	ug/l	95
26) 2,2-Dichloropropane	7.202	77	161778	20.849	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	109861	21.277	ug/l	96
28) Bromochloromethane	7.544	49	67612	19.529	ug/l	93
29) Tetrahydrofuran	7.567	42	86939	115.193	ug/l	94
30) Chloroform	7.708	83	207678	22.668	ug/l	97
31) Cyclohexane	7.985	56	128646	18.572	ug/l #	90
32) 1,1,1-Trichloroethane	7.902	97	176165	21.650	ug/l	98
36) 1,1-Dichloropropene	8.108	75	122063	18.989	ug/l	97
37) Ethyl Acetate	7.285	43	62902	22.339	ug/l #	94
38) Carbon Tetrachloride	8.096	117	146862	20.099	ug/l	97
39) Methylcyclohexane	9.355	83	123952	17.136	ug/l	97
40) Benzene	8.349	78	369783	20.164	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	39349	23.975	ug/l #	87
42) 1,2-Dichloroethane	8.420	62	121620	21.862	ug/l	97
43) Isopropyl Acetate	8.443	43	131971	24.147	ug/l	99
44) Trichloroethene	9.108	130	102056	19.823	ug/l	96
45) 1,2-Dichloropropane	9.379	63	111594	22.188	ug/l	99
46) Dibromomethane	9.473	93	54863	22.176	ug/l	96
47) Bromodichloromethane	9.655	83	161438	22.384	ug/l	99
48) Methyl methacrylate	9.449	41	61651	23.624	ug/l	91
49) 1,4-Dioxane	9.455	88	13874	467.645	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	352203	122.696	ug/l	95
52) Toluene	10.396	92	246412	20.420	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	141683	21.501	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	166407	21.845	ug/l	96
55) 1,1,2-Trichloroethane	10.790	97	88790	23.559	ug/l	97
56) Ethyl methacrylate	10.655	69	101567	23.008	ug/l	94
57) 1,3-Dichloropropane	10.943	76	143509	22.688	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	185510	93.464	ug/l	99
59) 2-Hexanone	10.979	43	242930	122.532	ug/l	97
60) Dibromochloromethane	11.132	129	108494	22.185	ug/l	100
61) 1,2-Dibromoethane	11.237	107	74484	21.871	ug/l	99
64) Tetrachloroethene	10.873	164	81035	19.336	ug/l	96
65) Chlorobenzene	11.667	112	279666	21.209	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.737	131	118335	22.694	ug/l	97
67) Ethyl Benzene	11.737	91	496883	21.098	ug/l	100
68) m/p-Xylenes	11.843	106	376368	42.086	ug/l	98
69) o-Xylene	12.173	106	182853	21.376	ug/l	97
70) Styrene	12.184	104	324827	21.746	ug/l	99
71) Bromoform	12.349	173	62851	22.564	ug/l #	98
73) Isopropylbenzene	12.473	105	522025	22.004	ug/l	100
74) N-amyl acetate	12.279	43	130077	25.513	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	102488	24.154	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	82086m	24.856	ug/l	
77) Bromobenzene	12.749	156	119477	22.375	ug/l	95
78) n-propylbenzene	12.814	91	636372	22.083	ug/l	98
79) 2-Chlorotoluene	12.896	91	369852	22.196	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	451700	22.162	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	30050	22.577	ug/l	98
82) 4-Chlorotoluene	12.996	91	383567	22.231	ug/l	100
83) tert-Butylbenzene	13.214	119	388206	21.725	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	442999	22.059	ug/l	99
85) sec-Butylbenzene	13.390	105	593716	22.125	ug/l	99
86) p-Isopropyltoluene	13.502	119	488083	22.104	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	243393	21.749	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	244420	22.025	ug/l	99
89) n-Butylbenzene	13.831	91	472231	22.437	ug/l	99
90) Hexachloroethane	14.096	117	95386	22.040	ug/l	95
91) 1,2-Dichlorobenzene	13.878	146	221687	22.721	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	15690	23.170	ug/l	91
93) 1,2,4-Trichlorobenzene	15.149	180	138021	21.366	ug/l	99
94) Hexachlorobutadiene	15.255	225	77896	20.730	ug/l	97
95) Naphthalene	15.384	128	243849	21.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	119970	21.456	ug/l	97

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

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