

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
 Data File : VD071795.D
 Acq On : 27 Jan 2022 12:12
 Operator : VA/SY
 Sample : VD0127SBSD01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/28/2022
 Supervised By : Mahesh Dadoda 01/28/2022

Quant Time: Jan 27 15:37:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	402192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	675071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	608387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	281736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	262288	51.596	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.200%			
35) Dibromofluoromethane	7.920	113	229885	51.806	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.620%			
50) Toluene-d8	10.338	98	896997	54.126	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.260%			
62) 4-Bromofluorobenzene	12.626	95	299766	51.797	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	109537	22.967	ug/l	97
3) Chloromethane	2.215	50	121952	21.357	ug/l	97
4) Vinyl Chloride	2.356	62	120477	20.153	ug/l	96
5) Bromomethane	2.773	94	83551	21.182	ug/l	94
6) Chloroethane	2.932	64	78319	20.673	ug/l	99
7) Trichlorofluoromethane	3.285	101	178166	20.796	ug/l	92
8) Diethyl Ether	3.709	74	42293	18.709	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.109	101	98855	20.452	ug/l	98
10) Methyl Iodide	4.309	142	95316	19.236	ug/l	100
11) Tert butyl alcohol	5.214	59	32339	78.234	ug/l #	89
12) 1,1-Dichloroethene	4.079	96	90027	20.375	ug/l	88
13) Acrolein	3.926	56	42080	93.197	ug/l	93
14) Allyl chloride	4.720	41	171046	20.308	ug/l	99
15) Acrylonitrile	5.426	53	101823	88.626	ug/l	98
16) Acetone	4.162	43	107425	77.198	ug/l	97
17) Carbon Disulfide	4.420	76	316957	20.572	ug/l	99
18) Methyl Acetate	4.726	43	46762	15.542	ug/l	98
19) Methyl tert-butyl Ether	5.485	73	192989	18.257	ug/l	93
20) Methylene Chloride	4.973	84	106157	18.547	ug/l	97
21) trans-1,2-Dichloroethene	5.479	96	102176	19.863	ug/l	89
22) Diisopropyl ether	6.367	45	332786	20.159	ug/l	97
23) Vinyl Acetate	6.314	43	847762	93.093	ug/l	100
24) 1,1-Dichloroethane	6.267	63	198171	20.596	ug/l	97
25) 2-Butanone	7.214	43	137251	84.605	ug/l	99
26) 2,2-Dichloropropane	7.214	77	160752	20.189	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	109172	19.760	ug/l	98
28) Bromochloromethane	7.544	49	64810	17.858	ug/l	99
29) Tetrahydrofuran	7.567	42	85613	89.193	ug/l	97
30) Chloroform	7.714	83	196206	19.960	ug/l	94
31) Cyclohexane	7.991	56	193765	19.966	ug/l	93
32) 1,1,1-Trichloroethane	7.903	97	172439	19.888	ug/l	98
36) 1,1-Dichloropropene	8.114	75	153720	20.183	ug/l	98
37) Ethyl Acetate	7.297	43	62940	17.775	ug/l	99
38) Carbon Tetrachloride	8.103	117	152895	20.300	ug/l	98
39) Methylcyclohexane	9.355	83	181464	20.563	ug/l	94
40) Benzene	8.355	78	416311	20.250	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	33718	16.832	ug/l	92
42) 1,2-Dichloroethane	8.426	62	127028	19.567	ug/l	99
43) Isopropyl Acetate	8.450	43	112535	17.682	ug/l	96
44) Trichloroethene	9.114	130	108810	20.498	ug/l	95
45) 1,2-Dichloropropane	9.391	63	105075	19.822	ug/l	95
46) Dibromomethane	9.473	93	54146	19.507	ug/l	95
47) Bromodichloromethane	9.661	83	141962	19.339	ug/l	94
48) Methyl methacrylate	9.455	41	57095	16.951	ug/l	93
49) 1,4-Dioxane	9.461	88	10726	338.559	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	284846	85.528	ug/l	100
52) Toluene	10.402	92	262633	20.544	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	128043	18.991	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	153386	19.408	ug/l	95
55) 1,1,2-Trichloroethane	10.797	97	68505	18.596	ug/l	90
56) Ethyl methacrylate	10.661	69	85173	18.674	ug/l	96
57) 1,3-Dichloropropane	10.944	76	125126	19.026	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	195539	91.072	ug/l	98
59) 2-Hexanone	10.979	43	199271	82.437	ug/l	98
60) Dibromochloromethane	11.138	129	85678	18.834	ug/l	100
61) 1,2-Dibromoethane	11.244	107	64393	18.143	ug/l	95
64) Tetrachloroethene	10.873	164	88556	20.578	ug/l	96
65) Chlorobenzene	11.667	112	269214	20.917	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.738	131	94647	20.213	ug/l	96
67) Ethyl Benzene	11.744	91	487064	20.566	ug/l	100
68) m/p-Xylenes	11.849	106	371692	41.262	ug/l	100
69) o-Xylene	12.173	106	168578	20.593	ug/l	98
70) Styrene	12.191	104	284363	20.153	ug/l	99
71) Bromoform	12.355	173	46207	18.483	ug/l #	100
73) Isopropylbenzene	12.473	105	456109	20.907	ug/l	100
74) N-amyl acetate	12.285	43	100558	18.743	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	74352	18.417	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	63070m	21.242	ug/l	
77) Bromobenzene	12.755	156	98798	20.358	ug/l	95
78) n-propylbenzene	12.814	91	573373	20.960	ug/l	100
79) 2-Chlorotoluene	12.902	91	319609	20.617	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	385198	21.287	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	21389	17.712	ug/l	98
82) 4-Chlorotoluene	12.996	91	335405	20.796	ug/l	98
83) tert-Butylbenzene	13.214	119	324628	21.647	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	370422	20.810	ug/l	99
85) sec-Butylbenzene	13.391	105	491967	20.966	ug/l	100
86) p-Isopropyltoluene	13.508	119	398532	20.901	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	198841	20.178	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	192906	19.615	ug/l	98
89) n-Butylbenzene	13.832	91	396467	21.193	ug/l	98
90) Hexachloroethane	14.102	117	79545	20.987	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	165312	19.603	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	11913	17.817	ug/l	93
93) 1,2,4-Trichlorobenzene	15.149	180	96892	19.668	ug/l	99
94) Hexachlorobutadiene	15.255	225	56822	21.153	ug/l	99
95) Naphthalene	15.385	128	161471	17.473	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	82709	19.587	ug/l	99

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

