

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010522\
 Data File : VY007017.D
 Acq On : 05 Jan 2022 13:45
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/06/2022
 Supervised By : Mahesh Dadoda 01/06/2022

Quant Time: Jan 06 04:30:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 06 04:16:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	182912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	311450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	281611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	206225	100.604	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 201.200%#			
35) Dibromofluoromethane	7.722	113	193644	108.713	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 217.420%#			
50) Toluene-d8	10.185	98	703780	96.782	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 193.560%#			
62) 4-Bromofluorobenzene	12.483	95	263405	104.891	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 209.780%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	68394	40.866	ug/l	95
3) Chloromethane	2.119	50	122323	60.531	ug/l	99
4) Vinyl Chloride	2.259	62	182486	77.941	ug/l	100
5) Bromomethane	2.662	94	114405	74.356	ug/l	94
6) Chloroethane	2.802	64	106041	77.161	ug/l	99
7) Trichlorofluoromethane	3.131	101	211734	70.003	ug/l	98
8) Diethyl Ether	3.527	74	122962	112.523	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	206764	114.708	ug/l	99
10) Methyl Iodide	4.094	142	329146	154.900	ug/l	99
11) Tert butyl alcohol	4.954	59	87477	492.186	ug/l	99
12) 1,1-Dichloroethene	3.875	96	218800	118.943	ug/l	96
13) Acrolein	3.729	56	29300	296.749	ug/l	100
14) Allyl chloride	4.485	41	331409	98.299	ug/l	100
15) Acrylonitrile	5.161	53	297613	520.803	ug/l	99
16) Acetone	3.948	43	238604	455.002	ug/l	97
17) Carbon Disulfide	4.198	76	635573	106.089	ug/l	99
18) Methyl Acetate	4.478	43	196172	102.825	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	402643	82.432	ug/l	99
20) Methylene Chloride	4.716	84	258295	109.355	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	230980	113.950	ug/l	98
22) Diisopropyl ether	6.124	45	654438	98.643	ug/l	98
23) Vinyl Acetate	6.064	43	2050084	510.600	ug/l	100
24) 1,1-Dichloroethane	6.021	63	399367	108.694	ug/l	99
25) 2-Butanone	6.990	43	334180	446.970	ug/l	99
26) 2,2-Dichloropropane	6.990	77	284685	88.321	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	260294	115.009	ug/l	99
28) Bromochloromethane	7.338	49	162182	106.846	ug/l	99
29) Tetrahydrofuran	7.350	42	251022	505.577	ug/l	99
30) Chloroform	7.514	83	418612	113.080	ug/l	98
31) Cyclohexane	7.789	56	367795	95.962	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	358112	105.891	ug/l	99
36) 1,1-Dichloropropene	7.923	75	327318	101.552	ug/l	99
37) Ethyl Acetate	7.076	43	176700	96.247	ug/l	98
38) Carbon Tetrachloride	7.905	117	342890	101.194	ug/l	97
39) Methylcyclohexane	9.185	83	429004	105.532	ug/l	100
40) Benzene	8.167	78	901744	99.588	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	96409m	82.263	ug/l	
42) 1,2-Dichloroethane	8.240	62	280452	97.363	ug/l	99
43) Isopropyl Acetate	8.277	43	339347	96.617	ug/l	100
44) Trichloroethene	8.941	130	252651	106.403	ug/l	99
45) 1,2-Dichloropropane	9.221	63	222789	99.982	ug/l	99
46) Dibromomethane	9.307	93	137357	113.382	ug/l	99
47) Bromodichloromethane	9.502	83	332851	107.791	ug/l	97
48) Methyl methacrylate	9.295	41	160435	95.870	ug/l	100
49) 1,4-Dioxane	9.307	88	26049	1745.281	ug/l #	78
51) 4-Methyl-2-Pentanone	10.075	43	844653	467.343	ug/l	100
52) Toluene	10.246	92	582283	103.039	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	361236	107.542	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	395842	107.270	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	187733	110.767	ug/l	98
56) Ethyl methacrylate	10.514	69	276982	108.707	ug/l	99
57) 1,3-Dichloropropane	10.794	76	324183	106.473	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	567623	464.715	ug/l	99
59) 2-Hexanone	10.837	43	533843	426.257	ug/l	100
60) Dibromochloromethane	10.989	129	232148	112.440	ug/l	100
61) 1,2-Dibromoethane	11.093	107	189536	116.658	ug/l	100
64) Tetrachloroethene	10.721	164	204394	89.417	ug/l	97
65) Chlorobenzene	11.520	112	616244	106.217	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	223981	105.344	ug/l	100
67) Ethyl Benzene	11.593	91	1125992	103.349	ug/l	99
68) m/p-Xylenes	11.703	106	855657	206.725	ug/l	99
69) o-Xylene	12.032	106	401967	103.062	ug/l	99
70) Styrene	12.044	104	688784	104.021	ug/l	100
71) Bromoform	12.209	173	137672	104.593	ug/l #	100
73) Isopropylbenzene	12.331	105	1055332	111.155	ug/l	100
74) N-amyl acetate	12.148	43	291345	102.286	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	209780	120.156	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	149609m	114.339	ug/l	
77) Bromobenzene	12.611	156	237136	107.697	ug/l	99
78) n-propylbenzene	12.672	91	1280609	109.676	ug/l	99
79) 2-Chlorotoluene	12.757	91	738161	113.398	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	868364	109.706	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	83648	124.339	ug/l #	99
82) 4-Chlorotoluene	12.855	91	766536	113.942	ug/l	100
83) tert-Butylbenzene	13.081	119	767876	112.661	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	855445	109.546	ug/l	100
85) sec-Butylbenzene	13.257	105	1110323	108.770	ug/l	100
86) p-Isopropyltoluene	13.373	119	918098	107.247	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	452336	104.681	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	451742	105.578	ug/l	100
89) n-Butylbenzene	13.696	91	892893	109.041	ug/l	100
90) Hexachloroethane	13.965	117	183038	115.659	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	407345	107.550	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	39132	119.277	ug/l	100
93) 1,2,4-Trichlorobenzene	15.013	180	256384	104.115	ug/l	100
94) Hexachlorobutadiene	15.117	225	128502	83.050	ug/l	99
95) Naphthalene	15.239	128	585791	116.729	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	224603	103.216	ug/l	99

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

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