

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022122\
 Data File : VY007563.D
 Acq On : 21 Feb 2022 12:09
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2022
 Supervised By : Mahesh Dadoda 02/22/2022

Quant Time: Feb 21 14:19:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 14:18:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	125920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	197087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	181514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	12604	9.246	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.500%#		
35) Dibromofluoromethane	7.722	113	12196	9.850	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.700%#		
50) Toluene-d8	10.178	98	44049	9.537	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	19.080%#		
62) 4-Bromofluorobenzene	12.483	95	16385	10.441	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	20.880%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	17682	12.656	ug/l	99
3) Chloromethane	2.113	50	14240	10.455	ug/l	96
4) Vinyl Chloride	2.253	62	15034	10.758	ug/l	95
5) Bromomethane	2.649	94	11626	11.885	ug/l	95
6) Chloroethane	2.802	64	9470	11.254	ug/l	100
7) Trichlorofluoromethane	3.131	101	31645	11.779	ug/l	93
8) Diethyl Ether	3.527	74	7641	10.083	ug/l	68
9) 1,1,2-Trichlorotrifluo...	3.905	101	15114	10.450	ug/l	97
10) Methyl Iodide	4.100	142	17077	9.514	ug/l	97
11) Tert butyl alcohol	4.954	59	5561	51.450	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	14047	10.514	ug/l #	77
13) Acrolein	3.741	56	4962	47.371	ug/l	96
14) Allyl chloride	4.484	41	15401	8.519	ug/l #	80
15) Acrylonitrile	5.173	53	14568	44.627	ug/l	96
16) Acetone	3.954	43	14234	41.032	ug/l	99
17) Carbon Disulfide	4.198	76	38067	10.030	ug/l	99
18) Methyl Acetate	4.478	43	6454	8.514	ug/l #	74
19) Methyl tert-butyl Ether	5.222	73	38252	10.297	ug/l #	89
20) Methylene Chloride	4.716	84	16140	10.906	ug/l #	67
21) trans-1,2-Dichloroethene	5.222	96	14590	10.095	ug/l #	76
22) Diisopropyl ether	6.118	45	32579	8.618	ug/l #	87
23) Vinyl Acetate	6.063	43	103067	42.353	ug/l #	83
24) 1,1-Dichloroethane	6.027	63	23413	9.661	ug/l #	94
25) 2-Butanone	6.990	43	17103	39.842	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	25279	10.250	ug/l	92
27) cis-1,2-Dichloroethene	6.990	96	16599	10.244	ug/l	85
28) Bromochloromethane	7.337	49	7631	8.425	ug/l #	51
29) Tetrahydrofuran	7.344	42	10167	39.988	ug/l #	63
30) Chloroform	7.508	83	27866	10.427	ug/l	94
31) Cyclohexane	7.782	56	21577	9.286	ug/l #	76
32) 1,1,1-Trichloroethane	7.709	97	29012	11.369	ug/l	94
36) 1,1-Dichloropropene	7.923	75	20812	10.669	ug/l	97
37) Ethyl Acetate	7.081	43	7593	8.741	ug/l #	79
38) Carbon Tetrachloride	7.904	117	26741	11.753	ug/l	97
39) Methylcyclohexane	9.185	83	25132	9.984	ug/l #	81
40) Benzene	8.167	78	53864	10.098	ug/l	91

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41) Methacrylonitrile	7.319	41	4092m	7.399	ug/l	
42) 1,2-Dichloroethane	8.246	62	18005	10.832	ug/l	97
43) Isopropyl Acetate	8.276	43	15709	8.860	ug/l #	82
44) Trichloroethene	8.941	130	17460	11.287	ug/l	89
45) 1,2-Dichloropropane	9.221	63	12023	9.526	ug/l	92
46) Dibromomethane	9.307	93	8471	10.445	ug/l	95
47) Bromodichloromethane	9.502	83	20805	10.630	ug/l	97
48) Methyl methacrylate	9.294	41	7020	8.985	ug/l #	73
49) 1,4-Dioxane	9.294	88	1763	203.045	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	39334	44.847	ug/l #	87
52) Toluene	10.245	92	37076	10.757	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	21585	10.705	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	23549	10.475	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	11743	11.034	ug/l	93
56) Ethyl methacrylate	10.508	69	13974	9.892	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	18701	10.293	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.782	63	32722	44.594	ug/l #	83
59) 2-Hexanone	10.831	43	27645	44.104	ug/l	84
60) Dibromochloromethane	10.983	129	15445	11.296	ug/l	97
61) 1,2-Dibromoethane	11.087	107	11183	10.443	ug/l	98
64) Tetrachloroethene	10.721	164	16301	11.502	ug/l	97
65) Chlorobenzene	11.520	112	40556	10.458	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	16205	10.950	ug/l	97
67) Ethyl Benzene	11.593	91	71974	9.993	ug/l	98
68) m/p-Xylenes	11.703	106	55801	20.428	ug/l	98
69) o-Xylene	12.032	106	26623	10.281	ug/l	99
70) Styrene	12.044	104	43263	10.164	ug/l	97
71) Bromoform	12.209	173	9604	11.593	ug/l #	96
73) Isopropylbenzene	12.330	105	75652	10.233	ug/l	97
74) N-amyl acetate	12.141	43	13167	8.046	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.586	83	12563	9.952	ug/l	97
76) 1,2,3-Trichloropropane	12.635	75	10329m	10.531	ug/l	
77) Bromobenzene	12.605	156	16564	10.316	ug/l	88
78) n-propylbenzene	12.672	91	88445	10.014	ug/l	100
79) 2-Chlorotoluene	12.757	91	49023	10.064	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	62607	10.208	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	4196	9.180	ug/l #	82
82) 4-Chlorotoluene	12.855	91	49998	10.002	ug/l	98
83) tert-Butylbenzene	13.074	119	55558	10.320	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	60084	10.071	ug/l	99
85) sec-Butylbenzene	13.251	105	80565	10.205	ug/l	99
86) p-Isopropyltoluene	13.367	119	67067	10.271	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	32974	10.596	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	31997	10.328	ug/l	95
89) n-Butylbenzene	13.696	91	61939	10.023	ug/l	98
90) Hexachloroethane	13.964	117	13370	10.596	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	28993	10.512	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.348	75	1941	8.833	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	17832	10.626	ug/l	95
94) Hexachlorobutadiene	15.110	225	11763	11.984	ug/l	98
95) Naphthalene	15.232	128	34399	9.459	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	15997	11.014	ug/l	95

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

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