

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008774.D
 Acq On : 17 May 2022 15:37
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 02:22:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 02:20:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	122883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	195095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	173727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	10754	7.953	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	15.900%#		
35) Dibromofluoromethane	7.710	113	10856	9.016	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.040%#		
50) Toluene-d8	10.179	98	35879	7.729	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	15.460%#		
62) 4-Bromofluorobenzene	12.477	95	12591	7.644	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	15.280%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	11347	11.417	ug/l	98
3) Chloromethane	2.113	50	18349	13.198	ug/l	92
4) Vinyl Chloride	2.247	62	25367	15.101	ug/l	99
5) Bromomethane	2.644	94	17938	13.847	ug/l	98
6) Chloroethane	2.790	64	17810	15.878	ug/l	96
7) Trichlorofluoromethane	3.125	101	22713	10.904	ug/l	99
8) Diethyl Ether	3.534	74	6208	8.486	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	13317	10.116	ug/l	98
10) Methyl Iodide	4.088	142	14239	10.818	ug/l	91
11) Tert butyl alcohol	4.948	59	6572	49.096	ug/l #	90
12) 1,1-Dichloroethene	3.869	96	12363	10.063	ug/l #	81
13) Acrolein	3.735	56	4440	35.002	ug/l	96
14) Allyl chloride	4.473	41	15803	7.901	ug/l #	81
15) Acrylonitrile	5.155	53	19630	50.022	ug/l	96
16) Acetone	3.942	43	16583	49.296	ug/l #	84
17) Carbon Disulfide	4.186	76	35985	10.332	ug/l	100
18) Methyl Acetate	4.466	43	11237	10.798	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	29617	8.002	ug/l	91
20) Methylene Chloride	4.716	84	17957	11.457	ug/l #	81
21) trans-1,2-Dichloroethene	5.216	96	14141	9.821	ug/l #	80
22) Diisopropyl ether	6.119	45	33905	7.997	ug/l	92
23) Vinyl Acetate	6.058	43	113670	42.251	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	22986	9.134	ug/l	97
25) 2-Butanone	6.990	43	25350	48.919	ug/l	92
26) 2,2-Dichloropropane	6.978	77	22598	9.712	ug/l	81
27) cis-1,2-Dichloroethene	6.984	96	16057	9.811	ug/l	85
28) Bromochloromethane	7.326	49	8826	9.001	ug/l	90
29) Tetrahydrofuran	7.344	42	16112	48.231	ug/l #	84
30) Chloroform	7.502	83	24210	9.259	ug/l	99
31) Cyclohexane	7.783	56	22847	9.467	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	22872	9.682	ug/l	98
36) 1,1-Dichloropropene	7.911	75	19411	10.459	ug/l	95
37) Ethyl Acetate	7.076	43	11579	11.167	ug/l #	94
38) Carbon Tetrachloride	7.899	117	21120	10.969	ug/l	93
39) Methylcyclohexane	9.179	83	21897	9.111	ug/l	91
40) Benzene	8.155	78	54468	10.322	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	5898	10.634	ug/l #	1
42) 1,2-Dichloroethane	8.240	62	16167	10.466	ug/l	94
43) Isopropyl Acetate	8.271	43	18562	9.292	ug/l #	93
44) Trichloroethene	8.935	130	14639	10.301	ug/l	100
45) 1,2-Dichloropropane	9.216	63	12433	9.358	ug/l	93
46) Dibromomethane	9.307	93	8654	10.780	ug/l	94
47) Bromodichloromethane	9.496	83	18177	9.709	ug/l	98
48) Methyl methacrylate	9.289	41	7675	8.807	ug/l #	79
49) 1,4-Dioxane	9.301	88	2304	211.593	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	53065	51.703	ug/l	93
52) Toluene	10.240	92	33384	9.741	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	17581	8.911	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	20175	9.107	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	10814	9.601	ug/l	99
56) Ethyl methacrylate	10.508	69	11753	7.740	ug/l	90
57) 1,3-Dichloropropane	10.788	76	18503	9.736	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	31391	44.164	ug/l	95
59) 2-Hexanone	10.831	43	36678	49.821	ug/l	95
60) Dibromochloromethane	10.984	129	12715	9.709	ug/l	96
61) 1,2-Dibromoethane	11.087	107	10571	9.669	ug/l	98
64) Tetrachloroethene	10.721	164	11838	10.216	ug/l	94
65) Chlorobenzene	11.514	112	36199	10.042	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	12797	9.793	ug/l	96
67) Ethyl Benzene	11.593	91	62127	9.531	ug/l	98
68) m/p-Xylenes	11.703	106	47458	18.824	ug/l	94
69) o-Xylene	12.032	106	22580	9.376	ug/l	91
70) Styrene	12.044	104	36093	9.019	ug/l	95
71) Bromoform	12.209	173	8152	10.161	ug/l #	100
73) Isopropylbenzene	12.331	105	59480	9.110	ug/l	99
74) N-amyl acetate	12.142	43	14700	8.336	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	14175	10.653	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	10614m	10.820	ug/l	
77) Bromobenzene	12.611	156	14226	9.955	ug/l	95
78) n-propylbenzene	12.672	91	75662	9.602	ug/l	100
79) 2-Chlorotoluene	12.758	91	40055	9.112	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	47758	8.927	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	4237	8.886	ug/l	98
82) 4-Chlorotoluene	12.855	91	41769	9.220	ug/l	95
83) tert-Butylbenzene	13.075	119	41947	8.783	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	48221	9.054	ug/l	100
85) sec-Butylbenzene	13.251	105	67117	9.404	ug/l	99
86) p-Isopropyltoluene	13.367	119	53231	9.164	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	29021	10.103	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	28836	10.018	ug/l	98
89) n-Butylbenzene	13.696	91	52351	9.381	ug/l	99
90) Hexachloroethane	13.959	117	11024	9.677	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	25453	9.896	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2420	11.157	ug/l	81
93) 1,2,4-Trichlorobenzene	15.013	180	13976	9.350	ug/l	97
94) Hexachlorobutadiene	15.117	225	8242	10.569	ug/l	97
95) Naphthalene	15.239	128	29448	7.326	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	12321	9.398	ug/l	97

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

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