

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008777.D
 Acq On : 17 May 2022 16:47
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: May 18 02:24:02 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	159827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	252968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	251327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	166079	94.426	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 188.860%#	
35) Dibromofluoromethane	7.716	113	160730	102.952	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 205.900%#	
50) Toluene-d8	10.179	98	721665	119.892	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 239.780%#	
62) 4-Bromofluorobenzene	12.483	95	259926	121.692	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 243.380%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	94508	73.112	ug/l	97
3) Chloromethane	2.113	50	137945	76.288	ug/l	97
4) Vinyl Chloride	2.247	62	212541	97.280	ug/l	98
5) Bromomethane	2.631	94	183099	108.672	ug/l	97
6) Chloroethane	2.784	64	160658	110.123	ug/l	98
7) Trichlorofluoromethane	3.119	101	205465	75.841	ug/l	93
8) Diethyl Ether	3.527	74	62607	65.800	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.893	101	128265	74.910	ug/l	95
10) Methyl Iodide	4.082	142	161583	94.384	ug/l	91
11) Tert butyl alcohol	4.960	59	80728	463.680	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	119900	75.035	ug/l	84
13) Acrolein	3.723	56	25119	152.249	ug/l	97
14) Allyl chloride	4.479	41	191662	73.673	ug/l #	91
15) Acrylonitrile	5.155	53	237749	465.798	ug/l	99
16) Acetone	3.942	43	165482	378.216	ug/l	90
17) Carbon Disulfide	4.186	76	339686	74.984	ug/l	99
18) Methyl Acetate	4.472	43	103578	76.527	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	371175	77.101	ug/l	94
20) Methylene Chloride	4.710	84	143844	70.564	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	157715	84.213	ug/l	84
22) Diisopropyl ether	6.112	45	443286	80.383	ug/l #	95
23) Vinyl Acetate	6.058	43	1603502	458.249	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	268126	81.915	ug/l	98
25) 2-Butanone	6.978	43	315068	467.458	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	255234	84.339	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	180592	84.838	ug/l	86
28) Bromochloromethane	7.326	49	106056	83.162	ug/l #	81
29) Tetrahydrofuran	7.344	42	218046	501.837	ug/l #	82
30) Chloroform	7.502	83	294849	86.695	ug/l	98
31) Cyclohexane	7.783	56	235996	75.185	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	275443	89.645	ug/l	96
36) 1,1-Dichloropropene	7.911	75	232010	96.415	ug/l	98
37) Ethyl Acetate	7.070	43	135563	100.827	ug/l #	94
38) Carbon Tetrachloride	7.899	117	250508	100.345	ug/l	98
39) Methylcyclohexane	9.179	83	290543	93.236	ug/l	89
40) Benzene	8.161	78	669966	97.918	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	77532m	107.806	ug/l	
42) 1,2-Dichloroethane	8.234	62	190490	95.106	ug/l	91
43) Isopropyl Acetate	8.271	43	247524	95.559	ug/l #	91
44) Trichloroethene	8.935	130	180874	98.154	ug/l	98
45) 1,2-Dichloropropane	9.215	63	155827	90.457	ug/l	94
46) Dibromomethane	9.307	93	105871	101.708	ug/l	96
47) Bromodichloromethane	9.496	83	233729	96.287	ug/l	99
48) Methyl methacrylate	9.289	41	111503	98.677	ug/l #	85
49) 1,4-Dioxane	9.295	88	35646	2524.697	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	761305	572.064	ug/l #	88
52) Toluene	10.246	92	502139	112.994	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	262368	102.556	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	269269	93.740	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	151721	103.886	ug/l	98
56) Ethyl methacrylate	10.508	69	205432	104.344	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	239278	97.099	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	493567	535.534	ug/l	93
59) 2-Hexanone	10.831	43	551750	577.998	ug/l	84
60) Dibromochloromethane	10.983	129	188267	110.874	ug/l	99
61) 1,2-Dibromoethane	11.087	107	155016	109.346	ug/l	100
64) Tetrachloroethene	10.715	164	157992	94.244	ug/l	98
65) Chlorobenzene	11.514	112	517854	99.301	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	197682	104.572	ug/l	97
67) Ethyl Benzene	11.593	91	969889	102.853	ug/l	96
68) m/p-Xylenes	11.703	106	809561	221.958	ug/l	90
69) o-Xylene	12.032	106	374187	107.402	ug/l	90
70) Styrene	12.044	104	657419	113.556	ug/l	94
71) Bromoform	12.209	173	146617	126.324	ug/l #	99
73) Isopropylbenzene	12.331	105	1057846	89.873	ug/l	99
74) N-amyl acetate	12.142	43	238091	74.893	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	219732	91.601	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	165535m	93.602	ug/l	
77) Bromobenzene	12.611	156	233734	90.726	ug/l	94
78) n-propylbenzene	12.672	91	1259821	88.683	ug/l	97
79) 2-Chlorotoluene	12.758	91	694742	87.659	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	863589	89.539	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	81918	95.294	ug/l #	81
82) 4-Chlorotoluene	12.855	91	735395	90.037	ug/l	96
83) tert-Butylbenzene	13.075	119	779805	90.564	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	852546	88.791	ug/l	96
85) sec-Butylbenzene	13.251	105	1185995	92.176	ug/l	99
86) p-Isopropyltoluene	13.367	119	1001303	95.618	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	509321	98.349	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	495185	95.424	ug/l	98
89) n-Butylbenzene	13.696	91	898436	89.297	ug/l	98
90) Hexachloroethane	13.959	117	174955	85.183	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	443213	95.582	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	37174	95.061	ug/l	73
93) 1,2,4-Trichlorobenzene	15.007	180	238764	88.603	ug/l	99
94) Hexachlorobutadiene	15.111	225	127761	90.875	ug/l	98
95) Naphthalene	15.239	128	568382	78.427	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	211675	89.562	ug/l	98

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

