

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051222\
 Data File : VY008738.D
 Acq On : 12 May 2022 17:05
 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 13 01:39:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 01:36:26 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/16/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	235218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	394418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	380335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	206277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	235841	101.568	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.140%#			
35) Dibromofluoromethane	7.716	113	234961	97.315	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 194.640%#			
50) Toluene-d8	10.179	98	946008	104.183	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 208.360%#			
62) 4-Bromofluorobenzene	12.477	95	332858	103.948	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 207.900%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	157138	77.983	ug/l	100
3) Chloromethane	2.107	50	295268	109.907	ug/l	99
4) Vinyl Chloride	2.247	62	413688	114.905	ug/l	98
5) Bromomethane	2.637	94	353926	116.813	ug/l	98
6) Chloroethane	2.784	64	295394	123.253	ug/l	100
7) Trichlorofluoromethane	3.119	101	364911	86.186	ug/l	96
8) Diethyl Ether	3.521	74	113912	84.177	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	219917	84.484	ug/l	100
10) Methyl Iodide	4.082	142	250939	95.716	ug/l	99
11) Tert butyl alcohol	4.954	59	133219	551.389	ug/l	100
12) 1,1-Dichloroethene	3.863	96	198600	82.542	ug/l	98
13) Acrolein	3.723	56	68422	369.456	ug/l	95
14) Allyl chloride	4.472	41	297054	93.377	ug/l	95
15) Acrylonitrile	5.155	53	313340	486.524	ug/l	99
16) Acetone	3.942	43	224124	435.263	ug/l	95
17) Carbon Disulfide	4.186	76	554959	82.175	ug/l	97
18) Methyl Acetate	4.466	43	137627	77.671	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	644000	93.981	ug/l	100
20) Methylene Chloride	4.710	84	245465	78.760	ug/l	98
21) trans-1,2-Dichloroethene	5.210	96	257106	91.863	ug/l	97
22) Diisopropyl ether	6.112	45	728162	104.795	ug/l	98
23) Vinyl Acetate	6.058	43	2472853	578.417	ug/l	98
24) 1,1-Dichloroethane	6.015	63	442131	96.603	ug/l	97
25) 2-Butanone	6.978	43	411019	518.812	ug/l	98
26) 2,2-Dichloropropane	6.978	77	419359	96.524	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	299839	91.980	ug/l	98
28) Bromochloromethane	7.332	49	169422	107.439	ug/l	99
29) Tetrahydrofuran	7.344	42	270804	525.454	ug/l	98
30) Chloroform	7.502	83	470421	94.962	ug/l	99
31) Cyclohexane	7.783	56	374977	86.996	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	432329	94.902	ug/l	99
36) 1,1-Dichloropropene	7.911	75	368178	97.087	ug/l	99
37) Ethyl Acetate	7.069	43	184148	105.096	ug/l	97
38) Carbon Tetrachloride	7.899	117	395013	95.947	ug/l	99
39) Methylcyclohexane	9.179	83	486112	95.548	ug/l	96
40) Benzene	8.155	78	1099241	101.006	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	87502m	95.680	ug/l	
42) 1,2-Dichloroethane	8.234	62	300414	98.563	ug/l	99
43) Isopropyl Acetate	8.271	43	367953	106.006	ug/l	99
44) Trichloroethene	8.935	130	289531	92.743	ug/l	97
45) 1,2-Dichloropropane	9.215	63	264082	102.514	ug/l	98
46) Dibromomethane	9.301	93	167118	99.787	ug/l	98
47) Bromodichloromethane	9.496	83	384980	99.967	ug/l	96
48) Methyl methacrylate	9.289	41	156846	102.862	ug/l	97
49) 1,4-Dioxane	9.295	88	44856	2068.567	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	998834	568.822	ug/l	97
52) Toluene	10.240	92	766370	107.142	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	418713	106.182	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	446758	100.326	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	242569	105.153	ug/l	97
56) Ethyl methacrylate	10.508	69	331264	110.858	ug/l	97
57) 1,3-Dichloropropane	10.788	76	382083	100.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	834290	631.987	ug/l	97
59) 2-Hexanone	10.831	43	686391	562.239	ug/l	97
60) Dibromochloromethane	10.983	129	295684	105.486	ug/l	100
61) 1,2-Dibromoethane	11.087	107	233367	102.779	ug/l	97
64) Tetrachloroethene	10.715	164	270523	94.466	ug/l	98
65) Chlorobenzene	11.514	112	813308	97.458	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	312636	101.400	ug/l	99
67) Ethyl Benzene	11.593	91	1499949	101.522	ug/l	98
68) m/p-Xylenes	11.703	106	1211625	206.044	ug/l	98
69) o-Xylene	12.026	106	571003	101.968	ug/l	99
70) Styrene	12.044	104	981303	106.258	ug/l	99
71) Bromoform	12.209	173	194781	106.095	ug/l #	100
73) Isopropylbenzene	12.331	105	1515584	91.275	ug/l	99
74) N-amyl acetate	12.142	43	339029	92.695	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	297187	93.179	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	207529m	85.378	ug/l	
77) Bromobenzene	12.605	156	337546	89.769	ug/l	98
78) n-propylbenzene	12.672	91	1803704	91.577	ug/l	99
79) 2-Chlorotoluene	12.758	91	974206	89.730	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	1244549	91.177	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	105180	96.506	ug/l	95
82) 4-Chlorotoluene	12.855	91	1024335	91.194	ug/l	98
83) tert-Butylbenzene	13.075	119	1114567	92.126	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	1240104	92.792	ug/l	99
85) sec-Butylbenzene	13.251	105	1674997	92.701	ug/l	99
86) p-Isopropyltoluene	13.367	119	1441904	96.036	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	724920	95.714	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	691674	91.852	ug/l	99
89) n-Butylbenzene	13.696	91	1284247	92.523	ug/l	99
90) Hexachloroethane	13.959	117	256232	89.232	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	613850	92.744	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	44287	88.115	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	340735	87.071	ug/l	99
94) Hexachlorobutadiene	15.111	225	171841	82.279	ug/l	98
95) Naphthalene	15.233	128	754504	88.527	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	298153	88.109	ug/l	100

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

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