

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011322\
 Data File : VY007140.D
 Acq On : 13 Jan 2022 13:13
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 14 05:28:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:26:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/14/2022
 Supervised By : Mahesh Dadoda 01/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	134793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	199904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	160684	98.667	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 197.340%#			
35) Dibromofluoromethane	7.716	113	148640	96.286	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 192.580%#			
50) Toluene-d8	10.179	98	543096	95.414	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 190.820%#			
62) 4-Bromofluorobenzene	12.483	95	189655	92.567	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 185.140%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	50444	108.787	ug/l	91
3) Chloromethane	2.113	50	90093	92.439	ug/l	98
4) Vinyl Chloride	2.259	62	144381	101.674	ug/l	99
5) Bromomethane	2.662	94	93785	99.249	ug/l	99
6) Chloroethane	2.796	64	91838	105.254	ug/l	96
7) Trichlorofluoromethane	3.125	101	162466	95.608	ug/l	99
8) Diethyl Ether	3.528	74	86310	101.362	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	151177	101.118	ug/l	98
10) Methyl Iodide	4.088	142	224131	97.619	ug/l	98
11) Tert butyl alcohol	4.966	59	67077	516.293	ug/l	100
12) 1,1-Dichloroethene	3.869	96	153350	99.846	ug/l	97
13) Acrolein	3.729	56	16013	375.115	ug/l	97
14) Allyl chloride	4.479	41	243972	103.393	ug/l	98
15) Acrylonitrile	5.161	53	212091	540.985	ug/l	100
16) Acetone	3.948	43	226687	696.938	ug/l	99
17) Carbon Disulfide	4.192	76	422096	96.508	ug/l	99
18) Methyl Acetate	4.473	43	141653	100.458	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	290184	95.024	ug/l	96
20) Methylene Chloride	4.716	84	159701	87.964	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	161697	97.321	ug/l	99
22) Diisopropyl ether	6.119	45	483495	100.576	ug/l	99
23) Vinyl Acetate	6.058	43	1514432	542.865	ug/l	99
24) 1,1-Dichloroethane	6.015	63	298674	102.147	ug/l	99
25) 2-Butanone	6.984	43	290145	599.270	ug/l	99
26) 2,2-Dichloropropane	6.984	77	209377	93.201	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	187026	99.868	ug/l	98
28) Bromochloromethane	7.332	49	116717	107.957	ug/l	97
29) Tetrahydrofuran	7.350	42	181111	536.305	ug/l	99
30) Chloroform	7.509	83	310819	101.109	ug/l	99
31) Cyclohexane	7.783	56	262124	94.542	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	265122	99.492	ug/l	99
36) 1,1-Dichloropropene	7.917	75	242837	100.329	ug/l	100
37) Ethyl Acetate	7.076	43	128276	106.711	ug/l	97
38) Carbon Tetrachloride	7.899	117	255384	100.565	ug/l	100
39) Methylcyclohexane	9.185	83	299937	99.274	ug/l	100
40) Benzene	8.161	78	650672	99.547	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	78514m	115.610	ug/l	
42) 1,2-Dichloroethane	8.240	62	205256	102.243	ug/l	99
43) Isopropyl Acetate	8.271	43	249556	107.068	ug/l	98
44) Trichloroethene	8.941	130	177933	98.460	ug/l	99
45) 1,2-Dichloropropane	9.216	63	163578	100.583	ug/l	96
46) Dibromomethane	9.307	93	98994	102.259	ug/l	98
47) Bromodichloromethane	9.496	83	244611	101.174	ug/l	99
48) Methyl methacrylate	9.295	41	116869	112.102	ug/l	97
49) 1,4-Dioxane	9.307	88	22481	2223.540	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	635805	552.309	ug/l	98
52) Toluene	10.246	92	416045	99.653	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	261023	103.111	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	285647	100.206	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	132233	100.436	ug/l	97
56) Ethyl methacrylate	10.508	69	194468	105.389	ug/l	98
57) 1,3-Dichloropropane	10.788	76	231522	100.369	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	411670	488.681	ug/l	99
59) 2-Hexanone	10.831	43	435509	579.295	ug/l	98
60) Dibromochloromethane	10.984	129	167664	102.255	ug/l	100
61) 1,2-Dibromoethane	11.093	107	132178	100.316	ug/l	100
64) Tetrachloroethene	10.721	164	141943	99.657	ug/l	98
65) Chlorobenzene	11.514	112	435491	100.932	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	162476	101.281	ug/l	100
67) Ethyl Benzene	11.593	91	822174	101.508	ug/l	99
68) m/p-Xylenes	11.703	106	607990	200.583	ug/l	100
69) o-Xylene	12.032	106	286729	101.136	ug/l	100
70) Styrene	12.044	104	489368	102.033	ug/l	100
71) Bromoform	12.209	173	95896	104.490	ug/l #	99
73) Isopropylbenzene	12.331	105	761345	101.388	ug/l	100
74) N-amyl acetate	12.142	43	213228	110.608	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	151444	105.502	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	98801m	95.895	ug/l	
77) Bromobenzene	12.611	156	165509	100.089	ug/l	98
78) n-propylbenzene	12.672	91	937522	102.188	ug/l	100
79) 2-Chlorotoluene	12.758	91	516442	99.004	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	620751	100.622	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	57327	106.363	ug/l #	100
82) 4-Chlorotoluene	12.855	91	538714	100.000	ug/l	100
83) tert-Butylbenzene	13.075	119	529731	97.691	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	609373	100.283	ug/l	99
85) sec-Butylbenzene	13.258	105	795914	100.313	ug/l	99
86) p-Isopropyltoluene	13.373	119	655299	100.659	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	319696	100.009	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	316564	99.212	ug/l	99
89) n-Butylbenzene	13.696	91	642359	101.166	ug/l	100
90) Hexachloroethane	13.959	117	129616	100.620	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	280065	99.518	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	25091	104.753	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	174428	104.184	ug/l	99
94) Hexachlorobutadiene	15.111	225	86214	99.876	ug/l	98
95) Naphthalene	15.239	128	379636	108.310	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	148750	105.496	ug/l	100

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

