

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031824\
 Data File : VN081453.D
 Acq On : 18 Mar 2024 16:27
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2024
 Supervised By : Mahesh Dadoda 03/19/2024

Quant Time: Mar 19 05:43:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 05:35:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	452316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	752575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	699771	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	322718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	295987	51.313	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.620%			
35) Dibromofluoromethane	8.171	113	252719	53.209	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.420%			
50) Toluene-d8	10.571	98	920258	53.600	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.200%			
62) 4-Bromofluorobenzene	12.853	95	331004	54.714	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.420%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	291850	47.919	ug/l	98
3) Chloromethane	2.359	50	283803	46.802	ug/l	95
4) Vinyl Chloride	2.518	62	321462	47.237	ug/l	96
5) Bromomethane	2.947	94	227558	47.282	ug/l	96
6) Chloroethane	3.118	64	220946	47.286	ug/l	100
7) Trichlorofluoromethane	3.500	101	492523	48.561	ug/l	93
8) Diethyl Ether	3.959	74	169312	50.442	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.371	101	275736	47.847	ug/l	# 87
10) Methyl Iodide	4.589	142	306964	53.488	ug/l	99
11) Tert butyl alcohol	5.518	59	256535	255.203	ug/l	99
12) 1,1-Dichloroethene	4.336	96	260375	48.777	ug/l	84
13) Acrolein	4.177	56	247369	274.243	ug/l	100
14) Allyl chloride	5.024	41	331166	49.509	ug/l	# 85
15) Acrylonitrile	5.718	53	655436	243.728	ug/l	96
16) Acetone	4.424	43	434517	233.091	ug/l	99
17) Carbon Disulfide	4.718	76	718867	46.928	ug/l	98
18) Methyl Acetate	5.018	43	288661	50.227	ug/l	# 87
19) Methyl tert-butyl Ether	5.794	73	855792	51.226	ug/l	97
20) Methylene Chloride	5.277	84	285109	46.690	ug/l	88
21) trans-1,2-Dichloroethene	5.788	96	281376	47.275	ug/l	93
22) Diisopropyl ether	6.671	45	804912	51.790	ug/l	# 93
23) Vinyl Acetate	6.600	43	3271747	264.469	ug/l	# 91
24) 1,1-Dichloroethane	6.565	63	501709	48.197	ug/l	95
25) 2-Butanone	7.482	43	805215	251.834	ug/l	# 88
26) 2,2-Dichloropropane	7.494	77	466156	51.631	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	329351	48.907	ug/l	86
28) Bromochloromethane	7.812	49	208427	49.158	ug/l	# 53
29) Tetrahydrofuran	7.835	42	550344	255.500	ug/l	# 78
30) Chloroform	7.965	83	546631	49.052	ug/l	99
31) Cyclohexane	8.259	56	437988	46.662	ug/l	# 71
32) 1,1,1-Trichloroethane	8.171	97	493618	48.823	ug/l	91
36) 1,1-Dichloropropene	8.371	75	406602	50.871	ug/l	94
37) Ethyl Acetate	7.559	43	348331	50.894	ug/l	97
38) Carbon Tetrachloride	8.365	117	443313	50.631	ug/l	98
39) Methylcyclohexane	9.600	83	479868	53.761	ug/l	# 87
40) Benzene	8.606	78	1203543	51.504	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	178503	49.316	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	409733	49.824	ug/l	98
43) Isopropyl Acetate	8.688	43	589300	51.943	ug/l #	92
44) Trichloroethene	9.353	130	324515	49.377	ug/l	96
45) 1,2-Dichloropropane	9.624	63	291451	51.464	ug/l	97
46) Dibromomethane	9.712	93	212397	49.386	ug/l #	87
47) Bromodichloromethane	9.888	83	435104	51.744	ug/l #	99
48) Methyl methacrylate	9.682	41	276044	52.752	ug/l #	84
49) 1,4-Dioxane	9.694	88	131377	1044.721	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1826942	263.905	ug/l	92
52) Toluene	10.629	92	763739	51.422	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	477001	52.534	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	504136	51.785	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	297348	49.747	ug/l	93
56) Ethyl methacrylate	10.876	69	445358	50.049	ug/l #	86
57) 1,3-Dichloropropane	11.165	76	508165	51.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	1159967	308.418	ug/l #	84
59) 2-Hexanone	11.194	43	1387615	271.111	ug/l	92
60) Dibromochloromethane	11.359	129	334088	50.823	ug/l	98
61) 1,2-Dibromoethane	11.470	107	316610	51.955	ug/l	98
64) Tetrachloroethene	11.106	164	323298	48.333	ug/l	90
65) Chlorobenzene	11.894	112	817303	49.406	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	310074	50.574	ug/l	97
67) Ethyl Benzene	11.965	91	1497355	52.108	ug/l	97
68) m/p-Xylenes	12.070	106	1139671	105.794	ug/l	97
69) o-Xylene	12.400	106	549182	51.929	ug/l	96
70) Styrene	12.412	104	921668	54.036	ug/l	96
71) Bromoform	12.582	173	235796	51.179	ug/l #	97
73) Isopropylbenzene	12.700	105	1468306	53.376	ug/l	98
74) N-amyl acetate	12.494	43	548031	55.050	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	399203	49.357	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	379870m	49.321	ug/l	
77) Bromobenzene	12.982	156	338395	49.797	ug/l	72
78) n-propylbenzene	13.035	91	1758604	54.133	ug/l	97
79) 2-Chlorotoluene	13.129	91	1006820	51.782	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	1244253	54.762	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	154850	54.207	ug/l #	76
82) 4-Chlorotoluene	13.223	91	1015660	52.983	ug/l	95
83) tert-Butylbenzene	13.441	119	1042629	53.214	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	1235165	54.088	ug/l	95
85) sec-Butylbenzene	13.617	105	1514692	54.079	ug/l	94
86) p-Isopropyltoluene	13.729	119	1254333	54.785	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	621798	49.802	ug/l	96
88) 1,4-Dichlorobenzene	13.811	146	626267	48.443	ug/l	96
89) n-Butylbenzene	14.059	91	1122793	55.303	ug/l	96
90) Hexachloroethane	14.335	117	221927	51.181	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	594078	49.437	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	87594	50.889	ug/l	72
93) 1,2,4-Trichlorobenzene	15.394	180	362160	52.122	ug/l	97
94) Hexachlorobutadiene	15.505	225	153361	50.305	ug/l	95
95) Naphthalene	15.641	128	1238756	55.020	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	358095	51.236	ug/l	97

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

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