

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
 Data File : VN081486.D
 Acq On : 20 Mar 2024 11:53
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2024
 Supervised By : Mahesh Dadoda 03/21/2024

Quant Time: Mar 21 01:15:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	432306	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	725862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	644591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	304011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	252193	45.745	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.480%		
35) Dibromofluoromethane	8.165	113	216595	47.282	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.560%		
50) Toluene-d8	10.565	98	744558	44.963	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.920%		
62) 4-Bromofluorobenzene	12.853	95	266944	45.749	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	91.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	276364	47.477	ug/l	95
3) Chloromethane	2.359	50	274915	47.435	ug/l	96
4) Vinyl Chloride	2.518	62	449214	69.065	ug/l	94
5) Bromomethane	2.959	94	223981	48.692	ug/l	91
6) Chloroethane	3.124	64	203880	45.653	ug/l	98
7) Trichlorofluoromethane	3.506	101	488209	50.364	ug/l	93
8) Diethyl Ether	3.959	74	186874	58.251	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.371	101	279480	50.741	ug/l	# 88
10) Methyl Iodide	4.589	142	324539	59.168	ug/l	96
11) Tert butyl alcohol	5.512	59	236768	246.441	ug/l	100
12) 1,1-Dichloroethene	4.341	96	261393	51.234	ug/l	87
13) Acrolein	4.177	56	255824	296.744	ug/l	99
14) Allyl chloride	5.024	41	352413	55.125	ug/l	# 84
15) Acrylonitrile	5.712	53	632139	245.945	ug/l	97
16) Acetone	4.424	43	385255	216.231	ug/l	97
17) Carbon Disulfide	4.712	76	713118	48.708	ug/l	97
18) Methyl Acetate	5.018	43	292602	53.269	ug/l	# 87
19) Methyl tert-butyl Ether	5.794	73	930474	58.275	ug/l	94
20) Methylene Chloride	5.277	84	301485	51.657	ug/l	87
21) trans-1,2-Dichloroethene	5.783	96	292484	51.416	ug/l	92
22) Diisopropyl ether	6.665	45	869078	58.507	ug/l	# 91
23) Vinyl Acetate	6.600	43	3356368	283.867	ug/l	# 88
24) 1,1-Dichloroethane	6.565	63	527212	52.991	ug/l	96
25) 2-Butanone	7.482	43	723398	236.717	ug/l	# 89
26) 2,2-Dichloropropane	7.488	77	488371	56.595	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	345506	53.681	ug/l	87
28) Bromochloromethane	7.812	49	193012	47.629	ug/l	# 56
29) Tetrahydrofuran	7.835	42	500373	243.053	ug/l	# 77
30) Chloroform	7.965	83	572170	53.721	ug/l	99
31) Cyclohexane	8.259	56	436359	48.640	ug/l	# 72
32) 1,1,1-Trichloroethane	8.165	97	506918	52.459	ug/l	93
36) 1,1-Dichloropropene	8.371	75	409965	53.179	ug/l	96
37) Ethyl Acetate	7.559	43	325438	49.299	ug/l	# 95
38) Carbon Tetrachloride	8.359	117	446014	52.814	ug/l	97
39) Methylcyclohexane	9.600	83	490610	56.987	ug/l	# 86
40) Benzene	8.606	78	1235263	54.807	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	178852	51.231	ug/l	91
42) 1,2-Dichloroethane	8.671	62	458505	57.806	ug/l	98
43) Isopropyl Acetate	8.688	43	596074	54.474	ug/l #	92
44) Trichloroethene	9.353	130	338316	53.371	ug/l	95
45) 1,2-Dichloropropane	9.623	63	310195	56.789	ug/l	96
46) Dibromomethane	9.712	93	224135	54.033	ug/l #	88
47) Bromodichloromethane	9.888	83	457915	56.461	ug/l #	94
48) Methyl methacrylate	9.682	41	271404	53.774	ug/l #	83
49) 1,4-Dioxane	9.694	88	104282	859.778	ug/l #	81
51) 4-Methyl-2-Pentanone	10.447	43	1686791	252.627	ug/l	91
52) Toluene	10.629	92	777894	54.302	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	498561	56.929	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	539272	57.433	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	309965	53.766	ug/l	93
56) Ethyl methacrylate	10.876	69	456107	52.812	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	529756	56.054	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	1033489	284.902	ug/l #	85
59) 2-Hexanone	11.194	43	1228391	248.834	ug/l	92
60) Dibromochloromethane	11.359	129	347859	54.866	ug/l	98
61) 1,2-Dibromoethane	11.470	107	318568	54.200	ug/l	98
64) Tetrachloroethene	11.106	164	331256	53.762	ug/l	91
65) Chlorobenzene	11.894	112	834960	54.794	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	315987	55.950	ug/l	97
67) Ethyl Benzene	11.965	91	1500073	56.671	ug/l	100
68) m/p-Xylenes	12.070	106	1132723	114.150	ug/l	97
69) o-Xylene	12.400	106	559806	57.465	ug/l	95
70) Styrene	12.412	104	914909	58.232	ug/l	97
71) Bromoform	12.576	173	226459	53.360	ug/l #	95
73) Isopropylbenzene	12.694	105	1442459	55.663	ug/l	98
74) N-amyl acetate	12.494	43	527410	56.239	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	377212	49.508	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	353796m	48.651	ug/l	
77) Bromobenzene	12.982	156	333465	52.092	ug/l	71
78) n-propylbenzene	13.035	91	1701600	55.602	ug/l	96
79) 2-Chlorotoluene	13.129	91	991874	54.152	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	1204616	56.280	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	145285	53.988	ug/l	93
82) 4-Chlorotoluene	13.223	91	1005819	55.698	ug/l	95
83) tert-Butylbenzene	13.441	119	1012289	54.845	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	1204480	55.990	ug/l	95
85) sec-Butylbenzene	13.617	105	1454105	55.110	ug/l	94
86) p-Isopropyltoluene	13.729	119	1216775	56.414	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	628829	53.465	ug/l	95
88) 1,4-Dichlorobenzene	13.811	146	622055	51.078	ug/l	97
89) n-Butylbenzene	14.059	91	1073244	56.116	ug/l	97
90) Hexachloroethane	14.335	117	220038	53.868	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	619707	54.743	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	85035	52.442	ug/l	75
93) 1,2,4-Trichlorobenzene	15.394	180	391102	59.751	ug/l	99
94) Hexachlorobutadiene	15.505	225	154661	53.853	ug/l	94
95) Naphthalene	15.641	128	1241889	58.553	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	380222	57.750	ug/l	98

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

