

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081124.D
 Acq On : 22 Feb 2024 10:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2024
 Supervised By : Mahesh Dadoda 02/23/2024

Quant Time: Feb 23 04:18:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	329257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	590913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	536410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	244664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	196869	48.781	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.560%		
35) Dibromofluoromethane	8.165	113	170524	51.033	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.060%		
50) Toluene-d8	10.565	98	577565	48.666	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.340%		
62) 4-Bromofluorobenzene	12.847	95	224156	50.266	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	243210	57.118	ug/l	97
3) Chloromethane	2.359	50	225265	48.445	ug/l	97
4) Vinyl Chloride	2.518	62	250495	52.962	ug/l	95
5) Bromomethane	2.959	94	165030	49.125	ug/l	99
6) Chloroethane	3.124	64	163207	53.430	ug/l	99
7) Trichlorofluoromethane	3.501	101	387556	56.089	ug/l	93
8) Diethyl Ether	3.959	74	137849	54.567	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	218855	56.817	ug/l	92
10) Methyl Iodide	4.589	142	250304	58.216	ug/l	99
11) Tert butyl alcohol	5.512	59	198109	266.923	ug/l	99
12) 1,1-Dichloroethene	4.342	96	208083	55.884	ug/l	87
13) Acrolein	4.177	56	112770	283.484	ug/l	100
14) Allyl chloride	5.018	41	307132	55.592	ug/l #	90
15) Acrylonitrile	5.718	53	534035	275.507	ug/l	98
16) Acetone	4.424	43	316495	199.306	ug/l	99
17) Carbon Disulfide	4.712	76	525233	50.573	ug/l	97
18) Methyl Acetate	5.024	43	242169	62.514	ug/l	92
19) Methyl tert-butyl Ether	5.789	73	718689	56.355	ug/l	95
20) Methylene Chloride	5.277	84	234749	57.278	ug/l	90
21) trans-1,2-Dichloroethene	5.789	96	222904	53.657	ug/l	92
22) Diisopropyl ether	6.671	45	722036	57.613	ug/l #	95
23) Vinyl Acetate	6.600	43	2855525	280.831	ug/l #	93
24) 1,1-Dichloroethane	6.565	63	416954	57.539	ug/l	96
25) 2-Butanone	7.483	43	639048	249.099	ug/l	94
26) 2,2-Dichloropropane	7.494	77	383342	56.458	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	266513	55.217	ug/l	87
28) Bromochloromethane	7.812	49	168506	56.090	ug/l #	67
29) Tetrahydrofuran	7.836	42	456681	266.667	ug/l #	87
30) Chloroform	7.965	83	444006	57.636	ug/l	97
31) Cyclohexane	8.253	56	371488	53.310	ug/l #	81
32) 1,1,1-Trichloroethane	8.171	97	395029	56.305	ug/l	94
36) 1,1-Dichloropropene	8.371	75	323993	56.597	ug/l	95
37) Ethyl Acetate	7.559	43	290120	56.154	ug/l	99
38) Carbon Tetrachloride	8.359	117	341700	58.998	ug/l	95
39) Methylcyclohexane	9.600	83	381501	57.169	ug/l #	91
40) Benzene	8.606	78	956352	57.717	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	155892	53.018	ug/l	94
42) 1,2-Dichloroethane	8.671	62	335929	58.110	ug/l	100
43) Isopropyl Acetate	8.688	43	509160	56.349	ug/l #	95
44) Trichloroethene	9.353	130	246825	55.928	ug/l	100
45) 1,2-Dichloropropane	9.624	63	246935	59.576	ug/l	94
46) Dibromomethane	9.706	93	171017	56.628	ug/l	92
47) Bromodichloromethane	9.888	83	347376	60.733	ug/l #	97
48) Methyl methacrylate	9.682	41	232906	55.395	ug/l	88
49) 1,4-Dioxane	9.694	88	84097	1090.556	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	1496476	287.901	ug/l	95
52) Toluene	10.629	92	609853	58.137	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	380309	59.834	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	406781	59.235	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	237181	58.787	ug/l	93
56) Ethyl methacrylate	10.877	69	363241	58.909	ug/l	89
57) 1,3-Dichloropropane	11.165	76	411772	59.026	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	779470	251.941	ug/l #	88
59) 2-Hexanone	11.194	43	1085265	263.356	ug/l	95
60) Dibromochloromethane	11.359	129	251506	58.679	ug/l	100
61) 1,2-Dibromoethane	11.471	107	245909	57.961	ug/l	98
64) Tetrachloroethene	11.106	164	213125	58.215	ug/l	91
65) Chlorobenzene	11.894	112	641251	55.235	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	242976	58.269	ug/l	97
67) Ethyl Benzene	11.965	91	1182164	56.905	ug/l	96
68) m/p-Xylenes	12.071	106	902597	113.352	ug/l	95
69) o-Xylene	12.400	106	443782	56.224	ug/l	95
70) Styrene	12.412	104	735702	58.820	ug/l	97
71) Bromoform	12.582	173	164224	62.076	ug/l #	97
73) Isopropylbenzene	12.694	105	1175254	54.902	ug/l	98
74) N-amyl acetate	12.494	43	464727	51.367	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	325593	54.092	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	291057m	52.358	ug/l	
77) Bromobenzene	12.982	156	261353	54.756	ug/l	76
78) n-propylbenzene	13.035	91	1397824	56.723	ug/l	96
79) 2-Chlorotoluene	13.129	91	812652	53.764	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	978713	56.390	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	114968m	53.233	ug/l	
82) 4-Chlorotoluene	13.223	91	807324	54.625	ug/l	96
83) tert-Butylbenzene	13.441	119	844878	56.297	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	980297	56.680	ug/l	96
85) sec-Butylbenzene	13.618	105	1229405	58.926	ug/l	94
86) p-Isopropyltoluene	13.729	119	1013419	58.479	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	492593	54.621	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	490439	55.344	ug/l	97
89) n-Butylbenzene	14.059	91	912982	60.472	ug/l	97
90) Hexachloroethane	14.335	117	171393	59.834	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	473582	54.446	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	62210	49.709	ug/l	71
93) 1,2,4-Trichlorobenzene	15.394	180	279750	57.649	ug/l	100
94) Hexachlorobutadiene	15.500	225	104572	57.782	ug/l	95
95) Naphthalene	15.641	128	959099	53.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	272112	56.526	ug/l	98

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

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