

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101722\
 Data File : VN074913.D
 Acq On : 17 Oct 2022 13:00
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2022
 Supervised By : Mahesh Dadoda 10/18/2022

Quant Time: Oct 17 13:35:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 11:33:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	363499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	655395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	750555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	436973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	447481	50.839	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.680%			
35) Dibromofluoromethane	8.183	113	349205	49.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.100%			
50) Toluene-d8	10.571	98	1474195	50.196	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.400%			
62) 4-Bromofluorobenzene	12.853	95	458804	54.866	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	298257	42.769	ug/l	96
3) Chloromethane	2.389	50	427813	41.275	ug/l	98
4) Vinyl Chloride	2.530	62	660166	43.380	ug/l	100
5) Bromomethane	2.930	94	538819	45.884	ug/l	97
6) Chloroethane	3.112	64	494891	41.090	ug/l	93
7) Trichlorofluoromethane	3.501	101	448263	42.355	ug/l	93
8) Diethyl Ether	3.983	74	207475	42.662	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.389	101	267454	39.973	ug/l	95
10) Methyl Iodide	4.606	142	377459	50.956	ug/l	100
11) Tert butyl alcohol	5.565	59	473338	218.526	ug/l	98
12) 1,1-Dichloroethene	4.359	96	272099	43.447	ug/l	92
13) Acrolein	4.206	56	472432	206.127	ug/l	94
14) Allyl chloride	5.036	41	566006	45.782	ug/l	86
15) Acrylonitrile	5.747	53	1282207	241.865	ug/l	99
16) Acetone	4.459	43	1012605	223.207	ug/l	100
17) Carbon Disulfide	4.730	76	667884	42.031	ug/l	96
18) Methyl Acetate	5.053	43	741109	45.623	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	1128809	45.652	ug/l	99
20) Methylene Chloride	5.295	84	361133	40.661	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	292519	42.203	ug/l	90
22) Diisopropyl ether	6.689	45	1269043	44.851	ug/l	95
23) Vinyl Acetate	6.624	43	4624294	222.724	ug/l	100
24) 1,1-Dichloroethane	6.583	63	664556	43.640	ug/l	95
25) 2-Butanone	7.500	43	1782772	238.652	ug/l	98
26) 2,2-Dichloropropane	7.506	77	508929	41.673	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	390105	45.307	ug/l	96
28) Bromochloromethane	7.830	49	358239	56.016	ug/l	99
29) Tetrahydrofuran	7.853	42	1213383	247.417	ug/l	100
30) Chloroform	7.983	83	658775	46.735	ug/l	91
31) Cyclohexane	8.265	56	547763	41.908	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	555122	46.377	ug/l	98
36) 1,1-Dichloropropene	8.377	75	461679	44.241	ug/l	98
37) Ethyl Acetate	7.577	43	680193	43.040	ug/l	98
38) Carbon Tetrachloride	8.371	117	457257	46.354	ug/l	94
39) Methylcyclohexane	9.606	83	559314	44.449	ug/l	96
40) Benzene	8.612	78	1478869	43.087	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	357858	46.924	ug/l	99
42) 1,2-Dichloroethane	8.683	62	512427	45.702	ug/l	99
43) Isopropyl Acetate	8.700	43	1099644	46.115	ug/l	100
44) Trichloroethene	9.359	130	307266	42.778	ug/l	89
45) 1,2-Dichloropropane	9.624	63	410214	44.400	ug/l	90
46) Dibromomethane	9.712	93	259039	43.787	ug/l	97
47) Bromodichloromethane	9.894	83	534343	47.073	ug/l	99
48) Methyl methacrylate	9.612	41	486382	43.798	ug/l #	99
49) 1,4-Dioxane	9.700	88	191423	946.090	ug/l #	96
51) 4-Methyl-2-Pentanone	10.453	43	3660672	238.743	ug/l	100
52) Toluene	10.635	92	939732	45.709	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	602556	48.572	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	623487	47.140	ug/l	99
55) 1,1,2-Trichloroethane	11.024	97	391644	47.428	ug/l	95
56) Ethyl methacrylate	10.877	69	659194	49.872	ug/l	98
57) 1,3-Dichloropropane	11.165	76	683694	45.651	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	1538842	327.041	ug/l	100
59) 2-Hexanone	11.200	43	2762443	246.770	ug/l	99
60) Dibromochloromethane	11.365	129	397812	48.074	ug/l	99
61) 1,2-Dibromoethane	11.471	107	389219	47.657	ug/l	95
64) Tetrachloroethene	11.106	164	257977	42.611	ug/l	94
65) Chlorobenzene	11.894	112	983474	45.403	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	371848	45.785	ug/l	96
67) Ethyl Benzene	11.965	91	1877387	47.272	ug/l	98
68) m/p-Xylenes	12.076	106	1441414	97.472	ug/l	99
69) o-Xylene	12.400	106	731860	48.450	ug/l	99
70) Styrene	12.412	104	1203032	50.214	ug/l	99
71) Bromoform	12.582	173	281040	49.964	ug/l #	98
73) Isopropylbenzene	12.700	105	1887724	48.565	ug/l	100
74) N-amyl acetate	12.494	43	1006795	47.713	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	665552	43.229	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	580760m	45.146	ug/l	
77) Bromobenzene	12.982	156	387281	44.984	ug/l	99
78) n-propylbenzene	13.035	91	2272444	51.212	ug/l	99
79) 2-Chlorotoluene	13.129	91	1258146	47.422	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1561292	49.413	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	233039	50.701	ug/l	95
82) 4-Chlorotoluene	13.223	91	1205585	48.589	ug/l	97
83) tert-Butylbenzene	13.441	119	1372217	50.257	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1520717	48.986	ug/l	100
85) sec-Butylbenzene	13.618	105	2020582	51.321	ug/l	98
86) p-Isopropyltoluene	13.735	119	1558861	49.823	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	707114	43.782	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	672851	42.222	ug/l	99
89) n-Butylbenzene	14.059	91	1302788	48.866	ug/l	100
90) Hexachloroethane	14.335	117	297442	44.279	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	671952	40.108	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	118066	41.339	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	305177	40.271	ug/l	94
94) Hexachlorobutadiene	15.500	225	145559	39.997	ug/l	98
95) Naphthalene	15.641	128	1312019	48.361	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	325855	45.396	ug/l	98

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

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