

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010224\
 Data File : VN080617.D
 Acq On : 02 Jan 2024 11:48
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/03/2024
 Supervised By : Mahesh Dadoda 01/04/2024

Quant Time: Jan 03 01:41:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	368096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	613008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	536945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	244622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	219678	46.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.060%		
35) Dibromofluoromethane	8.165	113	184076	46.429	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.860%		
50) Toluene-d8	10.565	98	675300	48.784	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.560%		
62) 4-Bromofluorobenzene	12.847	95	241846	51.913	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.820%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	181180	44.310	ug/l	99
3) Chloromethane	2.359	50	271008	60.015	ug/l	97
4) Vinyl Chloride	2.518	62	227149	49.920	ug/l	99
5) Bromomethane	2.959	94	104562	60.471	ug/l	99
6) Chloroethane	3.124	64	144986	51.036	ug/l	99
7) Trichlorofluoromethane	3.500	101	303892	46.772	ug/l	98
8) Diethyl Ether	3.953	74	132861	59.545	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.371	101	170295	48.015	ug/l	96
10) Methyl Iodide	4.589	142	135539	55.313	ug/l	99
11) Tert butyl alcohol	5.506	59	124506	196.005	ug/l	99
12) 1,1-Dichloroethene	4.342	96	169518	49.829	ug/l	91
13) Acrolein	4.171	56	185009	257.600	ug/l	98
14) Allyl chloride	5.024	41	241584	46.776	ug/l	94
15) Acrylonitrile	5.718	53	440711	243.255	ug/l	99
16) Acetone	4.418	43	267714	208.581	ug/l	96
17) Carbon Disulfide	4.712	76	422728	46.208	ug/l	99
18) Methyl Acetate	5.018	43	358874	50.433	ug/l	92
19) Methyl tert-butyl Ether	5.788	73	657434	53.678	ug/l	95
20) Methylene Chloride	5.277	84	211635	51.677	ug/l	92
21) trans-1,2-Dichloroethene	5.788	96	191415	46.568	ug/l	87
22) Diisopropyl ether	6.665	45	606230	52.845	ug/l	89
23) Vinyl Acetate	6.600	43	1542928	242.496	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	365127	47.485	ug/l	99
25) 2-Butanone	7.477	43	477880	199.207	ug/l	90
26) 2,2-Dichloropropane	7.488	77	325236	48.591	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	235629	48.196	ug/l	91
28) Bromochloromethane	7.812	49	166347	46.527	ug/l	91
29) Tetrahydrofuran	7.835	42	327948	209.621	ug/l	85
30) Chloroform	7.965	83	390470	50.580	ug/l	96
31) Cyclohexane	8.253	56	254586	39.852	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	332467	47.762	ug/l	96
36) 1,1-Dichloropropene	8.371	75	265947	43.585	ug/l	97
37) Ethyl Acetate	7.559	43	197727	42.946	ug/l	98
38) Carbon Tetrachloride	8.359	117	287930	46.127	ug/l	97
39) Methylcyclohexane	9.600	83	247956	49.545	ug/l	90
40) Benzene	8.606	78	827724	46.546	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	117232	41.290	ug/l	94
42) 1,2-Dichloroethane	8.671	62	294026	52.007	ug/l	99
43) Isopropyl Acetate	8.688	43	362935	48.634	ug/l	98
44) Trichloroethene	9.353	130	208317	45.737	ug/l	97
45) 1,2-Dichloropropane	9.618	63	216412	52.187	ug/l	96
46) Dibromomethane	9.706	93	144148	51.665	ug/l	91
47) Bromodichloromethane	9.888	83	309614	52.941	ug/l	98
48) Methyl methacrylate	9.682	41	207076	49.975	ug/l #	87
49) 1,4-Dioxane	9.694	88	52582	793.940	ug/l #	84
51) 4-Methyl-2-Pentanone	10.441	43	1038778	244.736	ug/l	99
52) Toluene	10.629	92	510187	52.588	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	333697	56.597	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	365359	55.368	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	208305	54.129	ug/l	97
56) Ethyl methacrylate	10.876	69	225633	59.858	ug/l #	89
57) 1,3-Dichloropropane	11.165	76	360768	55.330	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	843891	317.021	ug/l	95
59) 2-Hexanone	11.194	43	755816	236.262	ug/l	99
60) Dibromochloromethane	11.359	129	229857	53.639	ug/l	98
61) 1,2-Dibromoethane	11.470	107	202877	52.286	ug/l	99
64) Tetrachloroethene	11.100	164	170550	47.535	ug/l	96
65) Chlorobenzene	11.894	112	537262	48.098	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	211449	49.212	ug/l	96
67) Ethyl Benzene	11.965	91	921277	49.334	ug/l	98
68) m/p-Xylenes	12.070	106	694935	100.293	ug/l	93
69) o-Xylene	12.400	106	343144	50.423	ug/l	93
70) Styrene	12.412	104	530245	53.580	ug/l	98
71) Bromoform	12.576	173	148709	48.926	ug/l #	99
73) Isopropylbenzene	12.694	105	855825	51.116	ug/l	98
74) N-amyl acetate	12.494	43	290725	49.219	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	263252	45.562	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	229979m	43.710	ug/l	
77) Bromobenzene	12.982	156	215492	48.460	ug/l	100
78) n-propylbenzene	13.035	91	957876	50.029	ug/l	99
79) 2-Chlorotoluene	13.123	91	617113	49.371	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	731246	51.724	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	98512	50.717	ug/l	93
82) 4-Chlorotoluene	13.223	91	636669	49.807	ug/l	96
83) tert-Butylbenzene	13.441	119	581605	49.223	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	734757	51.328	ug/l	100
85) sec-Butylbenzene	13.617	105	768868	49.173	ug/l	100
86) p-Isopropyltoluene	13.729	119	688437	46.452	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	371769	46.389	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	376745	46.765	ug/l	99
89) n-Butylbenzene	14.059	91	578802	49.531	ug/l	99
90) Hexachloroethane	14.335	117	111674	45.754	ug/l	79
91) 1,2-Dichlorobenzene	14.106	146	369425	47.759	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	48749	40.879	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	205338	50.314	ug/l	98
94) Hexachlorobutadiene	15.506	225	97752	46.413	ug/l	97
95) Naphthalene	15.641	128	636549	50.115	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	197847	47.954	ug/l	98

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

