

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078155.D
 Acq On : 09 Jun 2023 18:59
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/12/2023
 Supervised By : Mahesh Dadoda 06/12/2023

Quant Time: Jun 09 23:13:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	393772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	709022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	628608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	258577	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	258796	49.293	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.580%
35) Dibromofluoromethane	8.171	113	216622	48.320	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.640%
50) Toluene-d8	10.571	98	801399	46.370	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.740%
62) 4-Bromofluorobenzene	12.853	95	254527	47.374	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.740%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	204240	45.885	ug/l	96
3) Chloromethane	2.371	50	231319	55.438	ug/l	97
4) Vinyl Chloride	2.518	62	296068	50.796	ug/l	96
5) Bromomethane	2.948	94	219960	49.935	ug/l	99
6) Chloroethane	3.124	64	209312	52.679	ug/l	100
7) Trichlorofluoromethane	3.501	101	383537	48.524	ug/l	98
8) Diethyl Ether	3.965	74	136014	48.975	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.383	101	201885	48.398	ug/l	97
10) Methyl Iodide	4.601	142	293552	49.762	ug/l	100
11) Tert butyl alcohol	5.542	59	188726	260.333	ug/l	97
12) 1,1-Dichloroethene	4.348	96	207178	48.181	ug/l	92
13) Acrolein	4.189	56	195122	244.214	ug/l	96
14) Allyl chloride	5.030	41	266069	50.689	ug/l	94
15) Acrylonitrile	5.730	53	518506	277.422	ug/l	100
16) Acetone	4.442	43	396794	262.569	ug/l	97
17) Carbon Disulfide	4.718	76	514424	46.479	ug/l	99
18) Methyl Acetate	5.036	43	371355	53.375	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	706663	51.508	ug/l	99
20) Methylene Chloride	5.289	84	241756	48.411	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	223981	48.295	ug/l	86
22) Diisopropyl ether	6.689	45	663331	53.724	ug/l	93
23) Vinyl Acetate	6.612	43	2014164	274.427	ug/l #	91
24) 1,1-Dichloroethane	6.583	63	427133	52.441	ug/l	96
25) 2-Butanone	7.494	43	648701	279.144	ug/l	89
26) 2,2-Dichloropropane	7.500	77	298799	49.684	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	271691	49.112	ug/l	94
28) Bromochloromethane	7.824	49	186762	49.941	ug/l	89
29) Tetrahydrofuran	7.847	42	435049	280.038	ug/l	86
30) Chloroform	7.971	83	470977	53.699	ug/l	92
31) Cyclohexane	8.265	56	342808	50.901	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	398485	51.751	ug/l	94
36) 1,1-Dichloropropene	8.377	75	329900	51.303	ug/l	97
37) Ethyl Acetate	7.571	43	276933	55.128	ug/l #	94
38) Carbon Tetrachloride	8.371	117	359707	52.977	ug/l	98
39) Methylcyclohexane	9.606	83	340645	51.117	ug/l	92
40) Benzene	8.612	78	998666	52.021	ug/l	99

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41) Methacrylonitrile	7.789	41	146395	53.765	ug/l	94
42) 1,2-Dichloroethane	8.677	62	349066	53.031	ug/l	97
43) Isopropyl Acetate	8.694	43	480297	49.994	ug/l	94
44) Trichloroethene	9.359	130	253830	50.067	ug/l	98
45) 1,2-Dichloropropane	9.624	63	254504	53.284	ug/l	98
46) Dibromomethane	9.718	93	183346	52.115	ug/l	96
47) Bromodichloromethane	9.894	83	366361	56.062	ug/l	97
48) Methyl methacrylate	9.688	41	223424	55.417	ug/l	88
49) 1,4-Dioxane	9.700	88	93493	1103.332	ug/l	96
51) 4-Methyl-2-Pentanone	10.453	43	1428691	282.406	ug/l	93
52) Toluene	10.635	92	615939	50.817	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	364719	53.589	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	398461	52.964	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	249813	54.483	ug/l	95
56) Ethyl methacrylate	10.882	69	364430	54.585	ug/l	91
57) 1,3-Dichloropropane	11.171	76	422525	54.593	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	752432	278.984	ug/l	92
59) 2-Hexanone	11.200	43	1006105	285.620	ug/l	92
60) Dibromochloromethane	11.365	129	268484	53.511	ug/l	99
61) 1,2-Dibromoethane	11.477	107	252066	52.385	ug/l	100
64) Tetrachloroethene	11.106	164	210133	50.107	ug/l	96
65) Chlorobenzene	11.900	112	652741	48.488	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	251805	50.856	ug/l	99
67) Ethyl Benzene	11.971	91	1186763	51.091	ug/l	98
68) m/p-Xylenes	12.076	106	902463	101.945	ug/l	98
69) o-Xylene	12.406	106	442179	50.865	ug/l	97
70) Styrene	12.418	104	706618	51.631	ug/l	98
71) Bromoform	12.582	173	172071	53.851	ug/l #	100
73) Isopropylbenzene	12.700	105	1107336	45.286	ug/l	99
74) N-amyl acetate	12.500	43	372905	46.312	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	340954	50.733	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	239326m	39.151	ug/l	
77) Bromobenzene	12.988	156	248151	43.718	ug/l	100
78) n-propylbenzene	13.041	91	1257687	47.341	ug/l	99
79) 2-Chlorotoluene	13.129	91	775349	45.214	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	894593	45.189	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	95747	48.122	ug/l	92
82) 4-Chlorotoluene	13.229	91	727355	45.446	ug/l	98
83) tert-Butylbenzene	13.447	119	781522	45.415	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	891412	46.444	ug/l	100
85) sec-Butylbenzene	13.623	105	1010563	44.867	ug/l	98
86) p-Isopropyltoluene	13.735	119	841990	46.066	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	424947	44.259	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	411623	44.429	ug/l	99
89) n-Butylbenzene	14.065	91	644272	44.689	ug/l	97
90) Hexachloroethane	14.341	117	153295	47.260	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	414010	44.120	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	58334	48.164	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	151389	45.281	ug/l	97
94) Hexachlorobutadiene	15.506	225	73473	44.540	ug/l	97
95) Naphthalene	15.647	128	456499	40.591	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	157702	42.175	ug/l	99

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

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