

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078133.D
 Acq On : 09 Jun 2023 09:29
 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 06/12/2023
 Supervised By : Mahesh Dadoda 06/12/2023

Quant Time: Jun 09 23:02:20 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	457936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	796579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	725111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	292253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	308161	50.471	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.940%			
35) Dibromofluoromethane	8.171	113	262050	52.028	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.060%			
50) Toluene-d8	10.571	98	998012	51.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.800%			
62) 4-Bromofluorobenzene	12.853	95	328133	54.361	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.720%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	215372	41.606	ug/l	100
3) Chloromethane	2.371	50	236743	48.561	ug/l	98
4) Vinyl Chloride	2.518	62	294328	43.422	ug/l	98
5) Bromomethane	2.954	94	219027	42.756	ug/l	99
6) Chloroethane	3.124	64	202748	43.878	ug/l	100
7) Trichlorofluoromethane	3.501	101	394880	42.959	ug/l	99
8) Diethyl Ether	3.971	74	146979	45.508	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.383	101	222667	45.901	ug/l	99
10) Methyl Iodide	4.600	142	306436	44.667	ug/l	97
11) Tert butyl alcohol	5.536	59	196130	232.638	ug/l	99
12) 1,1-Dichloroethene	4.348	96	208924	41.779	ug/l	86
13) Acrolein	4.183	56	222454	239.411	ug/l	94
14) Allyl chloride	5.030	41	279489	45.786	ug/l	91
15) Acrylonitrile	5.730	53	529801	243.748	ug/l	99
16) Acetone	4.436	43	468186	266.402	ug/l	96
17) Carbon Disulfide	4.724	76	549096	42.660	ug/l	100
18) Methyl Acetate	5.036	43	370359	45.773	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	751170	47.080	ug/l	96
20) Methylene Chloride	5.289	84	251660	43.333	ug/l	89
21) trans-1,2-Dichloroethene	5.795	96	239868	44.473	ug/l	85
22) Diisopropyl ether	6.683	45	706085	49.174	ug/l	93
23) Vinyl Acetate	6.612	43	2100269	246.064	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	439163	46.363	ug/l	97
25) 2-Butanone	7.489	43	691830	255.990	ug/l #	85
26) 2,2-Dichloropropane	7.494	77	379344	54.239	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	287464	44.682	ug/l	94
28) Bromochloromethane	7.818	49	215766	49.612	ug/l	92
29) Tetrahydrofuran	7.841	42	435842	241.239	ug/l	85
30) Chloroform	7.971	83	480591	47.118	ug/l	100
31) Cyclohexane	8.265	56	352106	44.956	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	422062	47.133	ug/l	99
36) 1,1-Dichloropropene	8.377	75	349103	48.322	ug/l	97
37) Ethyl Acetate	7.565	43	284288	50.372	ug/l	96
38) Carbon Tetrachloride	8.371	117	378213	49.580	ug/l	97
39) Methylcyclohexane	9.606	83	361646	48.303	ug/l	92
40) Benzene	8.612	78	1033900	47.936	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	152432	49.829	ug/l	90
42) 1,2-Dichloroethane	8.677	62	370540	50.106	ug/l	97
43) Isopropyl Acetate	8.694	43	496953	46.042	ug/l	94
44) Trichloroethene	9.359	130	264794	46.488	ug/l	98
45) 1,2-Dichloropropane	9.630	63	271799	50.650	ug/l	97
46) Dibromomethane	9.718	93	191791	48.523	ug/l	96
47) Bromodichloromethane	9.894	83	379571	51.699	ug/l	93
48) Methyl methacrylate	9.688	41	226504	50.006	ug/l	90
49) 1,4-Dioxane	9.700	88	90949	955.336	ug/l #	90
51) 4-Methyl-2-Pentanone	10.447	43	1474617	259.446	ug/l	92
52) Toluene	10.635	92	668282	49.075	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	401939	52.567	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	439041	51.943	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	262239	50.907	ug/l	96
56) Ethyl methacrylate	10.877	69	389991	51.993	ug/l	92
57) 1,3-Dichloropropane	11.171	76	435911	50.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	806884	266.290	ug/l	92
59) 2-Hexanone	11.200	43	1038319	262.366	ug/l	92
60) Dibromochloromethane	11.365	129	291564	51.724	ug/l	99
61) 1,2-Dibromoethane	11.476	107	270572	50.050	ug/l	98
64) Tetrachloroethene	11.112	164	223948	46.295	ug/l	98
65) Chlorobenzene	11.894	112	717239	46.188	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	267739	46.878	ug/l	97
67) Ethyl Benzene	11.971	91	1280609	47.794	ug/l	99
68) m/p-Xylenes	12.076	106	972124	95.200	ug/l	97
69) o-Xylene	12.406	106	471786	47.048	ug/l	96
70) Styrene	12.418	104	777475	49.248	ug/l	99
71) Bromoform	12.582	173	182421	49.492	ug/l #	99
73) Isopropylbenzene	12.700	105	1207567	43.695	ug/l	99
74) N-amyl acetate	12.500	43	399980	43.950	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	368485	48.399	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	297223m	43.020	ug/l	
77) Bromobenzene	12.988	156	274538	42.793	ug/l	100
78) n-propylbenzene	13.041	91	1359158	45.266	ug/l	100
79) 2-Chlorotoluene	13.129	91	821253	42.372	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	994017	44.425	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	126400	56.208	ug/l	94
82) 4-Chlorotoluene	13.223	91	822954	45.494	ug/l	100
83) tert-Butylbenzene	13.441	119	833198	42.839	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	973427	44.873	ug/l	98
85) sec-Butylbenzene	13.623	105	1081947	42.501	ug/l	99
86) p-Isopropyltoluene	13.735	119	904768	43.797	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	488546	45.020	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	467465	44.642	ug/l	99
89) n-Butylbenzene	14.059	91	715975	43.940	ug/l	98
90) Hexachloroethane	14.341	117	159839	43.599	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	479436	45.205	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	62109	45.372	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	182941	48.413	ug/l	98
94) Hexachlorobutadiene	15.506	225	86315	46.407	ug/l	99
95) Naphthalene	15.647	128	592784	46.636	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	190238	45.014	ug/l	98

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

