

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100623\
 Data File : VN079434.D
 Acq On : 06 Oct 2023 09:21
 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 10/09/2023
 Supervised By : Mahesh Dadoda 10/09/2023

Quant Time: Oct 06 22:58:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	261871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	460036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	422168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	180940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	200993	47.337	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.680%		
35) Dibromofluoromethane	8.171	113	158096	47.821	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.640%		
50) Toluene-d8	10.570	98	594191	49.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.340%		
62) 4-Bromofluorobenzene	12.853	95	190960	49.744	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	191690	51.083	ug/l	99
3) Chloromethane	2.365	50	217922	46.543	ug/l	96
4) Vinyl Chloride	2.518	62	236778	48.618	ug/l	98
5) Bromomethane	2.936	94	130493	44.758	ug/l	100
6) Chloroethane	3.112	64	150877	41.092	ug/l	96
7) Trichlorofluoromethane	3.494	101	280172	48.723	ug/l	98
8) Diethyl Ether	3.959	74	99923	48.743	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.377	101	158024	47.026	ug/l	99
10) Methyl Iodide	4.594	142	171902	58.953	ug/l	99
11) Tert butyl alcohol	5.530	59	133056	208.206	ug/l	99
12) 1,1-Dichloroethene	4.341	96	151290	48.898	ug/l #	79
13) Acrolein	4.183	56	162658	255.620	ug/l	97
14) Allyl chloride	5.030	41	236418	47.350	ug/l #	91
15) Acrylonitrile	5.724	53	447971	241.788	ug/l	99
16) Acetone	4.430	43	506842	300.954	ug/l	92
17) Carbon Disulfide	4.712	76	450987	46.729	ug/l	100
18) Methyl Acetate	5.030	43	366126	44.417	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	507911	50.523	ug/l	96
20) Methylene Chloride	5.277	84	180451	48.917	ug/l #	82
21) trans-1,2-Dichloroethene	5.794	96	168154	46.532	ug/l #	80
22) Diisopropyl ether	6.677	45	566014	50.554	ug/l #	89
23) Vinyl Acetate	6.606	43	1647333	261.572	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	330867	48.286	ug/l	99
25) 2-Butanone	7.488	43	656444	262.620	ug/l #	81
26) 2,2-Dichloropropane	7.494	77	270225	51.603	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	193820	49.370	ug/l	87
28) Bromochloromethane	7.818	49	168414	51.657	ug/l #	74
29) Tetrahydrofuran	7.841	42	401190	248.169	ug/l #	74
30) Chloroform	7.971	83	333895	48.228	ug/l	93
31) Cyclohexane	8.259	56	284257	47.196	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	284713	48.867	ug/l	95
36) 1,1-Dichloropropene	8.377	75	249442	50.272	ug/l	95
37) Ethyl Acetate	7.565	43	259859	52.633	ug/l #	88
38) Carbon Tetrachloride	8.365	117	245664	49.456	ug/l	99
39) Methylcyclohexane	9.606	83	261038	54.758	ug/l #	87
40) Benzene	8.612	78	736484	49.979	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	127002	48.929	ug/l #	85
42) 1,2-Dichloroethane	8.676	62	257251	48.045	ug/l	98
43) Isopropyl Acetate	8.694	43	402115	46.489	ug/l #	90
44) Trichloroethene	9.359	130	171545	49.461	ug/l	98
45) 1,2-Dichloropropane	9.623	63	192839	49.668	ug/l	99
46) Dibromomethane	9.712	93	126309	50.231	ug/l	94
47) Bromodichloromethane	9.894	83	261740	50.602	ug/l	99
48) Methyl methacrylate	9.682	41	190335	51.351	ug/l #	80
49) 1,4-Dioxane	9.700	88	67100	982.811	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	1246856	255.358	ug/l	89
52) Toluene	10.635	92	450968	51.991	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	271624	52.109	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	298068	52.236	ug/l #	89
55) 1,1,2-Trichloroethane	11.018	97	175241	50.323	ug/l	97
56) Ethyl methacrylate	10.876	69	263690	55.106	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	310616	51.657	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	510276	278.451	ug/l #	88
59) 2-Hexanone	11.200	43	944466	268.052	ug/l	87
60) Dibromochloromethane	11.365	129	183260	52.363	ug/l	99
61) 1,2-Dibromoethane	11.476	107	173811	50.295	ug/l	97
64) Tetrachloroethene	11.106	164	136358	46.952	ug/l	99
65) Chlorobenzene	11.894	112	451233	47.995	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	167621	48.693	ug/l	98
67) Ethyl Benzene	11.970	91	857495	52.474	ug/l	95
68) m/p-Xylenes	12.076	106	640289	107.838	ug/l	94
69) o-Xylene	12.406	106	303964	52.055	ug/l	93
70) Styrene	12.417	104	509441	55.233	ug/l	97
71) Bromoform	12.582	173	122224	48.513	ug/l #	100
73) Isopropylbenzene	12.700	105	789905	46.925	ug/l	100
74) N-amyl acetate	12.500	43	331373	48.018	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	257391	47.307	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	227858m	43.676	ug/l	
77) Bromobenzene	12.982	156	179747	43.548	ug/l	95
78) n-propylbenzene	13.041	91	950892	49.928	ug/l	97
79) 2-Chlorotoluene	13.129	91	557598	45.753	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	664289	50.045	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	79906	44.441	ug/l #	82
82) 4-Chlorotoluene	13.223	91	545056	47.000	ug/l	98
83) tert-Butylbenzene	13.441	119	547064	50.303	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	650528	51.353	ug/l	100
85) sec-Butylbenzene	13.617	105	758295	49.989	ug/l	99
86) p-Isopropyltoluene	13.735	119	614691	52.821	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	315009	48.118	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	308599	45.653	ug/l	99
89) n-Butylbenzene	14.059	91	507704	54.634	ug/l	98
90) Hexachloroethane	14.335	117	121552	51.481	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	299019	46.826	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	45024	46.255	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	104668	52.923	ug/l	99
94) Hexachlorobutadiene	15.505	225	71418	46.365	ug/l	99
95) Naphthalene	15.647	128	271162	44.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	109752	46.503	ug/l	98

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

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