

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103023\
 Data File : VN079717.D
 Acq On : 30 Oct 2023 10:34
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 31 07:08:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:05:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	310961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	539877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	497006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	213068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	247095	49.481	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.960%		
35) Dibromofluoromethane	8.171	113	193402	50.134	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.260%		
50) Toluene-d8	10.571	98	727005	50.553	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.100%		
62) 4-Bromofluorobenzene	12.853	95	247052	54.552	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	208710	50.843	ug/l	99
3) Chloromethane	2.365	50	239979	48.257	ug/l	96
4) Vinyl Chloride	2.518	62	261773	48.878	ug/l	97
5) Bromomethane	2.948	94	162574	46.244	ug/l	95
6) Chloroethane	3.118	64	175799	44.808	ug/l	97
7) Trichlorofluoromethane	3.495	101	304501	48.350	ug/l	98
8) Diethyl Ether	3.965	74	114305	50.153	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.371	101	175781	48.191	ug/l	99
10) Methyl Iodide	4.589	142	198834	54.161	ug/l	99
11) Tert butyl alcohol	5.530	59	161396	243.674	ug/l	100
12) 1,1-Dichloroethene	4.342	96	167373	48.989	ug/l	88
13) Acrolein	4.177	56	160383	240.715	ug/l	98
14) Allyl chloride	5.024	41	265593	46.355	ug/l #	89
15) Acrylonitrile	5.724	53	515574	252.964	ug/l	99
16) Acetone	4.430	43	547249	256.148	ug/l	92
17) Carbon Disulfide	4.712	76	498227	47.754	ug/l	97
18) Methyl Acetate	5.030	43	431968	50.115	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	593333	51.327	ug/l	94
20) Methylene Chloride	5.283	84	200613	47.419	ug/l #	83
21) trans-1,2-Dichloroethene	5.789	96	187487	48.346	ug/l #	74
22) Diisopropyl ether	6.677	45	652121	50.626	ug/l #	91
23) Vinyl Acetate	6.606	43	1873568	264.187	ug/l #	87
24) 1,1-Dichloroethane	6.577	63	375970	48.709	ug/l	97
25) 2-Butanone	7.489	43	752627	256.460	ug/l #	81
26) 2,2-Dichloropropane	7.494	77	308934	49.463	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	224992	50.390	ug/l	86
28) Bromochloromethane	7.818	49	189493	50.191	ug/l #	74
29) Tetrahydrofuran	7.841	42	466388	260.136	ug/l #	75
30) Chloroform	7.971	83	377917	48.623	ug/l	96
31) Cyclohexane	8.265	56	317615	46.620	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	328552	48.763	ug/l	94
36) 1,1-Dichloropropene	8.377	75	289420	50.572	ug/l	94
37) Ethyl Acetate	7.565	43	279575	49.286	ug/l #	91
38) Carbon Tetrachloride	8.365	117	286044	50.121	ug/l	97
39) Methylcyclohexane	9.606	83	290903	51.102	ug/l #	86
40) Benzene	8.612	78	853786	50.547	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	159504	53.912	ug/l #	83
42) 1,2-Dichloroethane	8.671	62	304186	49.584	ug/l	98
43) Isopropyl Acetate	8.694	43	467191	51.517	ug/l #	91
44) Trichloroethene	9.359	130	200352	48.967	ug/l	99
45) 1,2-Dichloropropane	9.624	63	228898	51.023	ug/l	98
46) Dibromomethane	9.712	93	148304	49.015	ug/l	94
47) Bromodichloromethane	9.894	83	306104	50.431	ug/l	100
48) Methyl methacrylate	9.683	41	224593	53.419	ug/l #	80
49) 1,4-Dioxane	9.700	88	77493	1047.407	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	1466210	259.844	ug/l	90
52) Toluene	10.635	92	523727	50.790	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	326746	53.309	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	347265	51.785	ug/l #	89
55) 1,1,2-Trichloroethane	11.018	97	204469	50.139	ug/l	97
56) Ethyl methacrylate	10.877	69	315632	54.804	ug/l #	82
57) 1,3-Dichloropropane	11.171	76	366134	51.303	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	565670	266.595	ug/l	88
59) 2-Hexanone	11.200	43	1102816	265.805	ug/l	88
60) Dibromochloromethane	11.365	129	219446	52.003	ug/l	100
61) 1,2-Dibromoethane	11.471	107	209707	51.615	ug/l	96
64) Tetrachloroethene	11.106	164	167731	47.573	ug/l	96
65) Chlorobenzene	11.894	112	545783	49.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	203600	49.810	ug/l	98
67) Ethyl Benzene	11.965	91	1004483	51.831	ug/l	97
68) m/p-Xylenes	12.076	106	749335	104.540	ug/l	94
69) o-Xylene	12.400	106	358820	52.059	ug/l	91
70) Styrene	12.418	104	605175	54.811	ug/l	98
71) Bromoform	12.582	173	149851	51.184	ug/l #	97
73) Isopropylbenzene	12.700	105	924234	47.889	ug/l	99
74) N-amyl acetate	12.500	43	389025	50.680	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	302336	44.250	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	273574m	48.861	ug/l	
77) Bromobenzene	12.982	156	211922	46.694	ug/l	94
78) n-propylbenzene	13.041	91	1098732	49.422	ug/l	97
79) 2-Chlorotoluene	13.129	91	656496	47.373	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	768869	48.874	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	96037	50.071	ug/l #	86
82) 4-Chlorotoluene	13.223	91	651049	48.911	ug/l	98
83) tert-Butylbenzene	13.441	119	623245	48.340	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	767442	50.567	ug/l	99
85) sec-Butylbenzene	13.618	105	892010	49.601	ug/l	100
86) p-Isopropyltoluene	13.735	119	733521	51.211	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	378813	49.336	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	374781	48.998	ug/l	99
89) n-Butylbenzene	14.059	91	610107	53.612	ug/l	97
90) Hexachloroethane	14.335	117	141444	46.736	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	368661	49.366	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	51571	48.942	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	135792	61.003	ug/l	97
94) Hexachlorobutadiene	15.506	225	91546	46.351	ug/l	98
95) Naphthalene	15.647	128	381522	59.038	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	140877	56.675	ug/l	98

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

