

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052523\
 Data File : VN077893.D
 Acq On : 25 May 2023 11:23
 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 05/25/2023
 Supervised By : Mahesh Dadoda 05/26/2023

Quant Time: May 25 16:28:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	415634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	741540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	662338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	284403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	324223	52.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.171	113	273953	56.655	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.300%			
50) Toluene-d8	10.571	98	992602	53.331	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.660%			
62) 4-Bromofluorobenzene	12.853	95	341072	51.886	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	193999	41.013	ug/l	98
3) Chloromethane	2.371	50	225867	44.852	ug/l	100
4) Vinyl Chloride	2.524	62	270186	45.305	ug/l	98
5) Bromomethane	2.959	94	212362	48.147	ug/l	100
6) Chloroethane	3.124	64	193927	45.121	ug/l	99
7) Trichlorofluoromethane	3.506	101	390458	46.980	ug/l	98
8) Diethyl Ether	3.971	74	161443	53.208	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.383	101	220055	47.843	ug/l	99
10) Methyl Iodide	4.600	142	331979	60.521	ug/l	99
11) Tert butyl alcohol	5.536	59	202192	235.580	ug/l	100
12) 1,1-Dichloroethene	4.353	96	219210	50.145	ug/l	92
13) Acrolein	4.183	56	126559	235.341	ug/l	95
14) Allyl chloride	5.036	41	297999	46.403	ug/l	94
15) Acrylonitrile	5.730	53	562585	245.351	ug/l	99
16) Acetone	4.436	43	448131	229.040	ug/l	100
17) Carbon Disulfide	4.718	76	536028	45.508	ug/l	98
18) Methyl Acetate	5.030	43	399939	48.725	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	835209	52.784	ug/l	96
20) Methylene Chloride	5.283	84	276612	54.495	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	247248	50.350	ug/l	83
22) Diisopropyl ether	6.683	45	769311	51.108	ug/l	95
23) Vinyl Acetate	6.612	43	2356094	252.627	ug/l	92
24) 1,1-Dichloroethane	6.577	63	478201	51.854	ug/l	99
25) 2-Butanone	7.488	43	713760	233.205	ug/l	93
26) 2,2-Dichloropropane	7.500	77	394359	50.335	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	309365	52.542	ug/l	93
28) Bromochloromethane	7.818	49	195172	48.936	ug/l	94
29) Tetrahydrofuran	7.847	42	470954	234.996	ug/l	86
30) Chloroform	7.971	83	516324	50.897	ug/l	95
31) Cyclohexane	8.265	56	370535	43.838	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	436046	50.557	ug/l	95
36) 1,1-Dichloropropene	8.377	75	367734	51.994	ug/l	97
37) Ethyl Acetate	7.571	43	301797	47.874	ug/l	96
38) Carbon Tetrachloride	8.365	117	381556	53.425	ug/l	97
39) Methylcyclohexane	9.606	83	423011	48.854	ug/l	92
40) Benzene	8.612	78	1111727	53.266	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	165338	49.249	ug/l	92
42) 1,2-Dichloroethane	8.677	62	398341	52.540	ug/l	98
43) Isopropyl Acetate	8.694	43	530388	51.510	ug/l	95
44) Trichloroethene	9.359	130	291984	55.250	ug/l	96
45) 1,2-Dichloropropane	9.624	63	286643	53.843	ug/l	96
46) Dibromomethane	9.712	93	211545	55.532	ug/l	96
47) Bromodichloromethane	9.894	83	409703	56.176	ug/l	96
48) Methyl methacrylate	9.688	41	253375	51.901	ug/l	87
49) 1,4-Dioxane	9.700	88	97180	1053.940	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1545621	252.529	ug/l	94
52) Toluene	10.635	92	721670	55.541	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	440052	56.978	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	473414	55.623	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	287935	55.810	ug/l	97
56) Ethyl methacrylate	10.882	69	422217	54.126	ug/l	91
57) 1,3-Dichloropropane	11.171	76	482705	54.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	852232	222.074	ug/l	93
59) 2-Hexanone	11.200	43	1085101	239.689	ug/l	94
60) Dibromochloromethane	11.365	129	309516	58.114	ug/l	99
61) 1,2-Dibromoethane	11.476	107	293688	57.062	ug/l	99
64) Tetrachloroethene	11.112	164	273797	59.111	ug/l	97
65) Chlorobenzene	11.900	112	782061	54.466	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	288009	57.969	ug/l	98
67) Ethyl Benzene	11.971	91	1361517	52.913	ug/l	99
68) m/p-Xylenes	12.076	106	1062706	108.997	ug/l	99
69) o-Xylene	12.406	106	526926	54.954	ug/l	100
70) Styrene	12.418	104	839559	55.118	ug/l	98
71) Bromoform	12.588	173	196356	59.410	ug/l #	100
73) Isopropylbenzene	12.700	105	1316733	53.710	ug/l	99
74) N-amyl acetate	12.500	43	432057	47.680	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	366522	48.598	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	329504m	46.263	ug/l	
77) Bromobenzene	12.988	156	298604	53.373	ug/l	97
78) n-propylbenzene	13.041	91	1513157	52.354	ug/l	98
79) 2-Chlorotoluene	13.129	91	920363	53.365	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	1127923	54.742	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	113797	51.071	ug/l #	85
82) 4-Chlorotoluene	13.229	91	880014	51.284	ug/l	97
83) tert-Butylbenzene	13.447	119	945055	52.539	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	1106500	54.604	ug/l	97
85) sec-Butylbenzene	13.623	105	1306501	51.108	ug/l	99
86) p-Isopropyltoluene	13.735	119	1096052	53.781	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	534933	51.702	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	524933	51.128	ug/l	100
89) n-Butylbenzene	14.065	91	899696	47.996	ug/l	98
90) Hexachloroethane	14.341	117	180818	54.008	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	529417	54.773	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	64905	44.451	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	245606	43.482	ug/l	97
94) Hexachlorobutadiene	15.506	225	100898	43.023	ug/l	99
95) Naphthalene	15.647	128	788738	40.569	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	243054	43.949	ug/l	97

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

