

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
 Data File : VN078584.D
 Acq On : 20 Jul 2023 10:36
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 21 06:07:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/21/2023
 Supervised By : Mahesh Dadoda 07/21/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	467743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	798550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	707659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	297242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	322692	51.461	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.920%			
35) Dibromofluoromethane	8.171	113	295439	54.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.000%			
50) Toluene-d8	10.571	98	1077520	52.618	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.240%			
62) 4-Bromofluorobenzene	12.853	95	343393	54.440	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	250126	43.616	ug/l	97
3) Chloromethane	2.371	50	287687	46.154	ug/l	97
4) Vinyl Chloride	2.524	62	441422	54.745	ug/l	99
5) Bromomethane	2.953	94	251179	49.167	ug/l	95
6) Chloroethane	3.124	64	238224	48.794	ug/l	98
7) Trichlorofluoromethane	3.500	101	562327	58.340	ug/l	98
8) Diethyl Ether	3.971	74	155188	48.325	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	252120	49.413	ug/l	97
10) Methyl Iodide	4.600	142	340080	48.504	ug/l	98
11) Tert butyl alcohol	5.536	59	214467	221.799	ug/l	99
12) 1,1-Dichloroethene	4.353	96	242189	49.071	ug/l	95
13) Acrolein	4.189	56	219614	230.846	ug/l	94
14) Allyl chloride	5.030	41	311567	46.198	ug/l	93
15) Acrylonitrile	5.730	53	592754	242.624	ug/l	100
16) Acetone	4.436	43	480076	245.778	ug/l	97
17) Carbon Disulfide	4.724	76	585215	41.005	ug/l	97
18) Methyl Acetate	5.030	43	401530	48.560	ug/l	89
19) Methyl tert-butyl Ether	5.800	73	814905	50.112	ug/l	94
20) Methylene Chloride	5.289	84	289222	51.662	ug/l	95
21) trans-1,2-Dichloroethene	5.794	96	261092	46.944	ug/l #	82
22) Diisopropyl ether	6.683	45	812175	53.783	ug/l #	94
23) Vinyl Acetate	6.612	43	2439211	254.077	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	504831	49.612	ug/l	97
25) 2-Butanone	7.488	43	745060	242.316	ug/l #	85
26) 2,2-Dichloropropane	7.500	77	434756	52.238	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	324377	50.416	ug/l	93
28) Bromochloromethane	7.818	49	223115	46.553	ug/l	93
29) Tetrahydrofuran	7.847	42	477797	236.821	ug/l	85
30) Chloroform	7.977	83	551887	52.095	ug/l	94
31) Cyclohexane	8.265	56	385169	45.451	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	493634	51.972	ug/l	97
36) 1,1-Dichloropropene	8.377	75	397606	50.798	ug/l	97
37) Ethyl Acetate	7.571	43	317328	48.634	ug/l #	93
38) Carbon Tetrachloride	8.371	117	433983	51.016	ug/l	99
39) Methylcyclohexane	9.606	83	369856	51.767	ug/l	93
40) Benzene	8.612	78	1183508	51.038	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	164263	49.383	ug/l	93
42) 1,2-Dichloroethane	8.677	62	395727	50.173	ug/l	100
43) Isopropyl Acetate	8.694	43	547629	50.978	ug/l	95
44) Trichloroethene	9.359	130	311009	49.763	ug/l	98
45) 1,2-Dichloropropane	9.624	63	304898	51.915	ug/l	96
46) Dibromomethane	9.712	93	213772	51.715	ug/l	94
47) Bromodichloromethane	9.894	83	444480	53.641	ug/l	99
48) Methyl methacrylate	9.688	41	253589	50.954	ug/l	90
49) 1,4-Dioxane	9.700	88	99731	918.883	ug/l	91
51) 4-Methyl-2-Pentanone	10.447	43	1630736	255.214	ug/l	93
52) Toluene	10.635	92	751305	52.277	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	455943	53.711	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	489414	54.087	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	296823	52.420	ug/l	99
56) Ethyl methacrylate	10.876	69	426798	53.920	ug/l	93
57) 1,3-Dichloropropane	11.171	76	489521	50.845	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	740836	262.630	ug/l	92
59) 2-Hexanone	11.200	43	1141438	251.351	ug/l	91
60) Dibromochloromethane	11.365	129	339978	54.386	ug/l	99
61) 1,2-Dibromoethane	11.476	107	296296	50.796	ug/l	99
64) Tetrachloroethene	11.106	164	261542	49.159	ug/l	97
65) Chlorobenzene	11.894	112	809661	51.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	318654	52.366	ug/l	97
67) Ethyl Benzene	11.970	91	1404209	52.519	ug/l	100
68) m/p-Xylenes	12.076	106	1089692	110.230	ug/l	98
69) o-Xylene	12.400	106	526540	52.733	ug/l	96
70) Styrene	12.418	104	871408	55.784	ug/l	98
71) Bromoform	12.582	173	217065	52.671	ug/l #	98
73) Isopropylbenzene	12.700	105	1331799	47.683	ug/l	99
74) N-amyl acetate	12.500	43	427752	44.441	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	411549	52.938	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	311360m	43.337	ug/l	
77) Bromobenzene	12.982	156	316633	52.198	ug/l	97
78) n-propylbenzene	13.041	91	1512323	50.631	ug/l	100
79) 2-Chlorotoluene	13.129	91	925155	47.286	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	1085677	49.196	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	121460	44.424	ug/l	93
82) 4-Chlorotoluene	13.223	91	883601	48.412	ug/l	97
83) tert-Butylbenzene	13.441	119	920948	49.153	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	1064333	49.653	ug/l	99
85) sec-Butylbenzene	13.623	105	1184440	50.014	ug/l	98
86) p-Isopropyltoluene	13.735	119	954663	50.203	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	539088	50.278	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	525769	48.682	ug/l	99
89) n-Butylbenzene	14.059	91	724816	53.271	ug/l	96
90) Hexachloroethane	14.335	117	190527	54.587	ug/l	83
91) 1,2-Dichlorobenzene	14.112	146	523232	49.035	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	63473	47.369	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	161987	47.566	ug/l	95
94) Hexachlorobutadiene	15.506	225	96637	55.291	ug/l	97
95) Naphthalene	15.647	128	460537	39.557	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	180316	46.048	ug/l	97

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

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