

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078472.D
 Acq On : 12 Jul 2023 10:45
 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 13 01:59:06 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 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	508364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	852981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	770442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	322036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	324894	47.672	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.340%		
35) Dibromofluoromethane	8.177	113	295902	51.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.200%		
50) Toluene-d8	10.571	98	1096512	50.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.260%		
62) 4-Bromofluorobenzene	12.853	95	347017	51.504	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.000%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	270774	43.443	ug/l	98
3) Chloromethane	2.371	50	296182	43.720	ug/l	99
4) Vinyl Chloride	2.518	62	384820	43.912	ug/l	99
5) Bromomethane	2.954	94	273399	49.249	ug/l	99
6) Chloroethane	3.124	64	257689	48.554	ug/l	99
7) Trichlorofluoromethane	3.506	101	479453	45.768	ug/l	96
8) Diethyl Ether	3.971	74	161142	46.169	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	265385	47.856	ug/l	97
10) Methyl Iodide	4.595	142	367598	48.239	ug/l	95
11) Tert butyl alcohol	5.536	59	225859	214.916	ug/l	99
12) 1,1-Dichloroethene	4.353	96	249669	46.544	ug/l	97
13) Acrolein	4.189	56	239105	231.251	ug/l	95
14) Allyl chloride	5.036	41	327629	44.698	ug/l	94
15) Acrylonitrile	5.724	53	611701	230.372	ug/l	99
16) Acetone	4.436	43	560151	263.858	ug/l	96
17) Carbon Disulfide	4.724	76	675992	43.581	ug/l	99
18) Methyl Acetate	5.042	43	396229	44.090	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	840890	47.578	ug/l	96
20) Methylene Chloride	5.289	84	298628	49.017	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	282016	46.655	ug/l	86
22) Diisopropyl ether	6.683	45	799160	48.692	ug/l	95
23) Vinyl Acetate	6.612	43	2527244	242.212	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	521447	47.150	ug/l	96
25) 2-Butanone	7.494	43	810702	242.597	ug/l	88
26) 2,2-Dichloropropane	7.494	77	450146	49.766	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	331723	47.438	ug/l	93
28) Bromochloromethane	7.824	49	251831	48.346	ug/l	94
29) Tetrahydrofuran	7.847	42	502800	229.300	ug/l	85
30) Chloroform	7.977	83	557109	48.386	ug/l	96
31) Cyclohexane	8.265	56	423375	45.967	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	493155	47.773	ug/l	95
36) 1,1-Dichloropropene	8.377	75	415069	49.645	ug/l	96
37) Ethyl Acetate	7.571	43	328138	47.081	ug/l #	95
38) Carbon Tetrachloride	8.371	117	446516	49.139	ug/l	98
39) Methylcyclohexane	9.612	83	394435	51.685	ug/l	95
40) Benzene	8.612	78	1223327	49.389	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	170522	47.994	ug/l	91
42) 1,2-Dichloroethane	8.677	62	410211	48.690	ug/l	99
43) Isopropyl Acetate	8.694	43	548111	47.767	ug/l	95
44) Trichloroethene	9.359	130	322080	48.246	ug/l	94
45) 1,2-Dichloropropane	9.630	63	311793	49.701	ug/l	97
46) Dibromomethane	9.718	93	218041	49.382	ug/l	94
47) Bromodichloromethane	9.894	83	440370	49.754	ug/l	99
48) Methyl methacrylate	9.688	41	254766	47.924	ug/l	90
49) 1,4-Dioxane	9.700	88	108490	935.799	ug/l	91
51) 4-Methyl-2-Pentanone	10.453	43	1670086	244.694	ug/l	93
52) Toluene	10.635	92	781767	50.925	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	467216	51.526	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	513133	53.090	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	296380	49.002	ug/l	96
56) Ethyl methacrylate	10.877	69	437985	51.802	ug/l	92
57) 1,3-Dichloropropane	11.171	76	502011	48.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	788827	261.799	ug/l	93
59) 2-Hexanone	11.200	43	1214356	250.344	ug/l	92
60) Dibromochloromethane	11.365	129	341864	51.198	ug/l	99
61) 1,2-Dibromoethane	11.477	107	311556	50.004	ug/l	99
64) Tetrachloroethene	11.112	164	285420	49.275	ug/l	99
65) Chlorobenzene	11.894	112	832401	48.336	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	316470	47.769	ug/l	97
67) Ethyl Benzene	11.971	91	1457565	50.072	ug/l	100
68) m/p-Xylenes	12.076	106	1118806	103.953	ug/l	98
69) o-Xylene	12.406	106	541094	49.775	ug/l	97
70) Styrene	12.418	104	890493	52.360	ug/l	98
71) Bromoform	12.582	173	225370	50.229	ug/l #	98
73) Isopropylbenzene	12.700	105	1368318	45.219	ug/l	99
74) N-amyl acetate	12.500	43	455598	43.689	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	410501	48.476	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	329675m	42.353	ug/l	
77) Bromobenzene	12.982	156	325417	49.434	ug/l	94
78) n-propylbenzene	13.041	91	1548380	47.847	ug/l	99
79) 2-Chlorotoluene	13.129	91	944468	44.557	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1099048	45.968	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	149945	50.620	ug/l	91
82) 4-Chlorotoluene	13.223	91	918833	46.467	ug/l	98
83) tert-Butylbenzene	13.441	119	924122	45.525	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	1092605	47.047	ug/l	97
85) sec-Butylbenzene	13.623	105	1190662	46.406	ug/l	99
86) p-Isopropyltoluene	13.735	119	983327	47.729	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	552839	47.590	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	547062	46.754	ug/l	98
89) n-Butylbenzene	14.059	91	743770	50.455	ug/l	98
90) Hexachloroethane	14.335	117	189851	50.139	ug/l	87
91) 1,2-Dichlorobenzene	14.112	146	536499	46.408	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	65761	45.211	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	182722	49.524	ug/l	98
94) Hexachlorobutadiene	15.506	225	101130	53.253	ug/l	97
95) Naphthalene	15.647	128	554558	43.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	196851	46.400	ug/l	98

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

