

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071723\
 Data File : VN078533.D
 Acq On : 17 Jul 2023 10:32
 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 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 04:18:08 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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	467057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	805887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	727834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	302367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	311211	49.703	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.400%		
35) Dibromofluoromethane	8.171	113	273074	49.917	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.840%		
50) Toluene-d8	10.571	98	1008933	48.820	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.640%		
62) 4-Bromofluorobenzene	12.853	95	322184	50.613	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	235549	41.134	ug/l	98
3) Chloromethane	2.371	50	310355	49.864	ug/l	97
4) Vinyl Chloride	2.518	62	372708	46.291	ug/l	99
5) Bromomethane	2.948	94	252423	49.519	ug/l	98
6) Chloroethane	3.124	64	244007	50.103	ug/l	96
7) Trichlorofluoromethane	3.501	101	428649	44.537	ug/l	98
8) Diethyl Ether	3.971	74	154795	48.273	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	239624	47.033	ug/l	98
10) Methyl Iodide	4.595	142	336044	47.999	ug/l	97
11) Tert butyl alcohol	5.536	59	230074	238.289	ug/l	100
12) 1,1-Dichloroethene	4.348	96	224483	45.550	ug/l	92
13) Acrolein	4.195	56	217670	229.139	ug/l	96
14) Allyl chloride	5.036	41	334999	49.746	ug/l	94
15) Acrylonitrile	5.724	53	599143	245.599	ug/l	98
16) Acetone	4.442	43	482642	247.455	ug/l	96
17) Carbon Disulfide	4.724	76	587373	41.217	ug/l	97
18) Methyl Acetate	5.030	43	400438	48.499	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	809395	49.846	ug/l	95
20) Methylene Chloride	5.283	84	281454	50.316	ug/l	92
21) trans-1,2-Dichloroethene	5.795	96	256491	46.185	ug/l	94
22) Diisopropyl ether	6.683	45	788991	52.324	ug/l	94
23) Vinyl Acetate	6.612	43	2468262	257.480	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	487689	47.998	ug/l	98
25) 2-Butanone	7.489	43	763181	248.574	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	410623	49.411	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	313398	48.781	ug/l	93
28) Bromochloromethane	7.818	49	265903	55.562	ug/l	90
29) Tetrahydrofuran	7.847	42	497548	246.973	ug/l	84
30) Chloroform	7.977	83	528755	49.985	ug/l	92
31) Cyclohexane	8.265	56	375647	44.392	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	457597	48.249	ug/l	99
36) 1,1-Dichloropropene	8.377	75	367947	46.581	ug/l	97
37) Ethyl Acetate	7.565	43	328092	49.826	ug/l #	92
38) Carbon Tetrachloride	8.371	117	407142	47.425	ug/l	97
39) Methylcyclohexane	9.606	83	345611	47.934	ug/l	92
40) Benzene	8.612	78	1128894	48.240	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	169898	50.612	ug/l	92
42) 1,2-Dichloroethane	8.677	62	397985	50.000	ug/l	98
43) Isopropyl Acetate	8.694	43	550049	50.737	ug/l	94
44) Trichloroethene	9.359	130	292954	46.448	ug/l	100
45) 1,2-Dichloropropane	9.630	63	299563	50.542	ug/l	96
46) Dibromomethane	9.712	93	208963	50.092	ug/l	91
47) Bromodichloromethane	9.894	83	426221	50.969	ug/l	99
48) Methyl methacrylate	9.688	41	252263	50.226	ug/l	90
49) 1,4-Dioxane	9.700	88	108861	993.872	ug/l	93
51) 4-Methyl-2-Pentanone	10.453	43	1671373	259.193	ug/l	93
52) Toluene	10.635	92	716637	49.410	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	446659	52.138	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	478005	52.345	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	292629	51.209	ug/l	97
56) Ethyl methacrylate	10.877	69	422671	52.913	ug/l	92
57) 1,3-Dichloropropane	11.171	76	481969	49.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	769999	270.484	ug/l	93
59) 2-Hexanone	11.200	43	1172282	255.793	ug/l	93
60) Dibromochloromethane	11.365	129	324941	51.508	ug/l	100
61) 1,2-Dibromoethane	11.476	107	297084	50.468	ug/l	100
64) Tetrachloroethene	11.106	164	251266	45.918	ug/l	98
65) Chlorobenzene	11.894	112	769041	47.271	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	304058	48.582	ug/l	97
67) Ethyl Benzene	11.971	91	1355265	49.283	ug/l	98
68) m/p-Xylenes	12.076	106	1035380	101.833	ug/l	99
69) o-Xylene	12.406	106	498834	48.574	ug/l	96
70) Styrene	12.418	104	827277	51.491	ug/l	98
71) Bromoform	12.582	173	220077	51.921	ug/l #	99
73) Isopropylbenzene	12.700	105	1253491	44.119	ug/l	99
74) N-amyl acetate	12.500	43	432827	44.206	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	403814	50.946	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	321844m	44.036	ug/l	
77) Bromobenzene	12.982	156	303152	49.035	ug/l	97
78) n-propylbenzene	13.041	91	1437048	47.295	ug/l	99
79) 2-Chlorotoluene	13.129	91	868906	43.658	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1035403	46.123	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	127503	45.844	ug/l	92
82) 4-Chlorotoluene	13.229	91	852833	45.934	ug/l	97
83) tert-Butylbenzene	13.441	119	860031	45.124	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	1020956	46.822	ug/l	98
85) sec-Butylbenzene	13.623	105	1112023	46.160	ug/l	99
86) p-Isopropyltoluene	13.735	119	915410	47.323	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	517272	47.425	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	506926	46.142	ug/l	98
89) n-Butylbenzene	14.059	91	712083	51.448	ug/l	97
90) Hexachloroethane	14.335	117	179695	50.550	ug/l	87
91) 1,2-Dichlorobenzene	14.112	146	508023	46.803	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	66638	48.952	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	167923	48.473	ug/l	97
94) Hexachlorobutadiene	15.506	225	95177	53.389	ug/l	99
95) Naphthalene	15.647	128	509555	43.025	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	187922	47.177	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

