

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072123\
 Data File : VN078628.D
 Acq On : 21 Jul 2023 21:03
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

Quant Time: Jul 21 23:32:56 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	490313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	857818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	769640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	322291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	330206	50.235	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.480%			
35) Dibromofluoromethane	8.171	113	296002	50.832	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	10.571	98	1085495	49.345	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.700%			
62) 4-Bromofluorobenzene	12.853	95	359199	53.012	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	244022	40.592	ug/l	100
3) Chloromethane	2.371	50	298877	45.742	ug/l	97
4) Vinyl Chloride	2.518	62	359593	42.544	ug/l	97
5) Bromomethane	2.942	94	248080	46.006	ug/l	96
6) Chloroethane	3.118	64	239307	46.676	ug/l	95
7) Trichlorofluoromethane	3.501	101	465905	46.112	ug/l	99
8) Diethyl Ether	3.971	74	165362	49.122	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.383	101	252847	47.274	ug/l	95
10) Methyl Iodide	4.595	142	363715	49.487	ug/l	96
11) Tert butyl alcohol	5.542	59	258201	254.736	ug/l	100
12) 1,1-Dichloroethene	4.353	96	248833	48.096	ug/l	98
13) Acrolein	4.195	56	246589	247.270	ug/l	96
14) Allyl chloride	5.036	41	312483	44.201	ug/l	94
15) Acrylonitrile	5.730	53	654061	255.394	ug/l	99
16) Acetone	4.442	43	500681	244.528	ug/l	99
17) Carbon Disulfide	4.718	76	570826	38.156	ug/l	98
18) Methyl Acetate	5.036	43	433811	50.049	ug/l	91
19) Methyl tert-butyl Ether	5.812	73	889888	52.204	ug/l	99
20) Methylene Chloride	5.283	84	297798	50.723	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	273838	46.969	ug/l	86
22) Diisopropyl ether	6.683	45	839829	53.054	ug/l	93
23) Vinyl Acetate	6.612	43	2554803	253.867	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	526351	49.346	ug/l	97
25) 2-Butanone	7.494	43	812300	252.024	ug/l #	86
26) 2,2-Dichloropropane	7.494	77	311719	35.731	ug/l	95
27) cis-1,2-Dichloroethene	7.494	96	338012	50.117	ug/l	97
28) Bromochloromethane	7.824	49	256006	50.957	ug/l	94
29) Tetrahydrofuran	7.847	42	530823	250.992	ug/l	86
30) Chloroform	7.977	83	568379	51.182	ug/l	91
31) Cyclohexane	8.259	56	392915	44.231	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	499714	50.190	ug/l	96
36) 1,1-Dichloropropene	8.377	75	400480	47.630	ug/l	98
37) Ethyl Acetate	7.571	43	346190	49.391	ug/l #	94
38) Carbon Tetrachloride	8.371	117	442226	48.393	ug/l	96
39) Methylcyclohexane	9.606	83	370880	48.324	ug/l	95
40) Benzene	8.612	78	1221400	49.033	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	193114	54.046	ug/l	90
42) 1,2-Dichloroethane	8.677	62	422372	49.851	ug/l	98
43) Isopropyl Acetate	8.694	43	667577	57.851	ug/l #	90
44) Trichloroethene	9.359	130	323509	48.187	ug/l	96
45) 1,2-Dichloropropane	9.630	63	318729	50.520	ug/l	96
46) Dibromomethane	9.712	93	226871	51.092	ug/l	93
47) Bromodichloromethane	9.894	83	454281	51.036	ug/l	96
48) Methyl methacrylate	9.688	41	277110	51.833	ug/l	87
49) 1,4-Dioxane	9.700	88	117471	1007.553	ug/l	89
51) 4-Methyl-2-Pentanone	10.453	43	1822289	265.489	ug/l	93
52) Toluene	10.635	92	780150	50.533	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	455384	49.938	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	489513	50.360	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	313948	51.614	ug/l	97
56) Ethyl methacrylate	10.882	69	477217	56.124	ug/l	93
57) 1,3-Dichloropropane	11.171	76	525175	50.779	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	770070	254.132	ug/l	92
59) 2-Hexanone	11.200	43	1300165	266.522	ug/l	93
60) Dibromochloromethane	11.365	129	360904	53.745	ug/l	99
61) 1,2-Dibromoethane	11.476	107	327760	52.308	ug/l	99
64) Tetrachloroethene	11.112	164	262802	45.418	ug/l	97
65) Chlorobenzene	11.900	112	863078	50.170	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	341194	51.555	ug/l	98
67) Ethyl Benzene	11.971	91	1490110	51.243	ug/l	99
68) m/p-Xylenes	12.076	106	1124847	104.623	ug/l	98
69) o-Xylene	12.406	106	566701	52.185	ug/l	97
70) Styrene	12.418	104	918090	54.039	ug/l	98
71) Bromoform	12.582	173	235314	52.500	ug/l #	99
73) Isopropylbenzene	12.700	105	1387657	45.822	ug/l	99
74) N-amyl acetate	12.500	43	497677	47.687	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	458119	54.436	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	347410m	44.596	ug/l	
77) Bromobenzene	12.982	156	336557	51.139	ug/l	96
78) n-propylbenzene	13.041	91	1525778	47.111	ug/l	98
79) 2-Chlorotoluene	13.129	91	958306	45.174	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	1134722	47.422	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	117713	39.707	ug/l	90
82) 4-Chlorotoluene	13.223	91	917332	46.354	ug/l	97
83) tert-Butylbenzene	13.441	119	980754	48.277	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	1130079	48.622	ug/l	98
85) sec-Butylbenzene	13.623	105	1237310	48.186	ug/l	99
86) p-Isopropyltoluene	13.735	119	1045477	50.706	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	566587	48.735	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	549945	46.963	ug/l	99
89) n-Butylbenzene	14.059	91	806961	54.699	ug/l	98
90) Hexachloroethane	14.341	117	193488	51.074	ug/l	84
91) 1,2-Dichlorobenzene	14.112	146	563799	48.730	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	73440	50.682	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	202148	54.745	ug/l	99
94) Hexachlorobutadiene	15.506	225	110734	58.689	ug/l	98
95) Naphthalene	15.647	128	675860	53.540	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	223341	52.602	ug/l	97

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

