

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072123\
 Data File : VN078604.D
 Acq On : 21 Jul 2023 09:52
 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 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

Quant Time: Jul 21 23:18:24 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	475826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	781425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	698816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	289326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	328681	51.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.060%			
35) Dibromofluoromethane	8.177	113	294850	55.584	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.160%			
50) Toluene-d8	10.571	98	1084140	54.101	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.200%			
62) 4-Bromofluorobenzene	12.853	95	346990	56.216	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	256053	43.891	ug/l	99
3) Chloromethane	2.371	50	300410	47.377	ug/l	99
4) Vinyl Chloride	2.518	62	406283	49.531	ug/l	97
5) Bromomethane	2.948	94	245794	47.086	ug/l	97
6) Chloroethane	3.118	64	244645	49.277	ug/l	96
7) Trichlorofluoromethane	3.501	101	471080	48.043	ug/l	93
8) Diethyl Ether	3.971	74	161623	49.473	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	265752	51.200	ug/l	97
10) Methyl Iodide	4.600	142	341572	47.889	ug/l	95
11) Tert butyl alcohol	5.530	59	229265	233.075	ug/l	98
12) 1,1-Dichloroethene	4.348	96	242476	48.294	ug/l	94
13) Acrolein	4.189	56	239546	247.521	ug/l	96
14) Allyl chloride	5.030	41	330663	48.197	ug/l	93
15) Acrylonitrile	5.730	53	611964	246.232	ug/l	100
16) Acetone	4.436	43	629319	316.711	ug/l	97
17) Carbon Disulfide	4.718	76	582161	40.098	ug/l	98
18) Methyl Acetate	5.036	43	408828	48.603	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	843441	50.986	ug/l	94
20) Methylene Chloride	5.289	84	296250	52.027	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	273250	48.296	ug/l	87
22) Diisopropyl ether	6.683	45	832669	54.203	ug/l	94
23) Vinyl Acetate	6.612	43	2515745	257.597	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	517945	50.036	ug/l	97
25) 2-Butanone	7.488	43	841690	269.093	ug/l	88
26) 2,2-Dichloropropane	7.500	77	457534	54.041	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	336403	51.397	ug/l	93
28) Bromochloromethane	7.818	49	256954	52.702	ug/l	90
29) Tetrahydrofuran	7.841	42	492669	240.044	ug/l	85
30) Chloroform	7.977	83	567320	52.642	ug/l	93
31) Cyclohexane	8.265	56	395497	45.877	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	500304	51.779	ug/l	96
36) 1,1-Dichloropropene	8.377	75	402299	52.524	ug/l	97
37) Ethyl Acetate	7.565	43	315402	49.398	ug/l #	95
38) Carbon Tetrachloride	8.371	117	444060	53.344	ug/l	97
39) Methylcyclohexane	9.606	83	371740	53.171	ug/l	91
40) Benzene	8.612	78	1202097	52.976	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	171651	52.735	ug/l	94
42) 1,2-Dichloroethane	8.677	62	410318	53.163	ug/l	99
43) Isopropyl Acetate	8.694	43	565223	53.769	ug/l	95
44) Trichloroethene	9.359	130	311250	50.893	ug/l	100
45) 1,2-Dichloropropane	9.630	63	317663	55.274	ug/l	97
46) Dibromomethane	9.718	93	218986	54.138	ug/l	93
47) Bromodichloromethane	9.894	83	452322	55.784	ug/l	98
48) Methyl methacrylate	9.688	41	258302	53.038	ug/l	91
49) 1,4-Dioxane	9.700	88	109390	1029.965	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	1658768	265.291	ug/l	94
52) Toluene	10.635	92	759841	54.029	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	469481	56.517	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	503825	56.900	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	306679	55.348	ug/l	99
56) Ethyl methacrylate	10.876	69	433031	55.906	ug/l	92
57) 1,3-Dichloropropane	11.165	76	511270	54.267	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	732711	265.442	ug/l	93
59) 2-Hexanone	11.200	43	1206957	271.603	ug/l	94
60) Dibromochloromethane	11.365	129	341345	55.802	ug/l	99
61) 1,2-Dibromoethane	11.476	107	304316	53.315	ug/l	99
64) Tetrachloroethene	11.106	164	261991	49.866	ug/l	98
65) Chlorobenzene	11.894	112	822071	52.629	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	322351	53.644	ug/l	98
67) Ethyl Benzene	11.971	91	1453109	55.035	ug/l	100
68) m/p-Xylenes	12.076	106	1099095	112.588	ug/l	98
69) o-Xylene	12.400	106	539042	54.668	ug/l	97
70) Styrene	12.418	104	883402	57.267	ug/l	98
71) Bromoform	12.582	173	223656	54.957	ug/l #	99
73) Isopropylbenzene	12.700	105	1357562	49.936	ug/l	99
74) N-amyl acetate	12.500	43	443421	47.329	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	416820	55.217	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	323088m	46.199	ug/l	
77) Bromobenzene	12.982	156	321221	54.471	ug/l	96
78) n-propylbenzene	13.041	91	1513540	52.058	ug/l	99
79) 2-Chlorotoluene	13.129	91	926889	48.671	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	1110549	51.700	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	123306	46.333	ug/l	91
82) 4-Chlorotoluene	13.223	91	900833	50.707	ug/l	98
83) tert-Butylbenzene	13.441	119	927278	50.845	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1085379	52.020	ug/l	98
85) sec-Butylbenzene	13.623	105	1179140	51.152	ug/l	99
86) p-Isopropyltoluene	13.735	119	961762	51.960	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	543948	52.119	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	524037	49.850	ug/l	99
89) n-Butylbenzene	14.059	91	724511	54.706	ug/l	98
90) Hexachloroethane	14.335	117	188734	55.567	ug/l	83
91) 1,2-Dichlorobenzene	14.112	146	523925	50.444	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	63355	48.626	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	161050	48.585	ug/l	98
94) Hexachlorobutadiene	15.506	225	102018	60.349	ug/l	97
95) Naphthalene	15.647	128	467071	41.216	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	176766	46.376	ug/l	96

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

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