

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071123\
 Data File : VN078458.D
 Acq On : 11 Jul 2023 11:57
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 12 01:30:32 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 07/12/2023
 Supervised By : Mahesh Dadoda 07/12/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	490799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	828790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	749825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	312632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	349138	53.063	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.120%			
35) Dibromofluoromethane	8.177	113	306184	54.422	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.571	98	1148578	54.041	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.080%			
62) 4-Bromofluorobenzene	12.853	95	354017	54.077	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.160%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	275731	45.822	ug/l	100
3) Chloromethane	2.371	50	295537	45.186	ug/l	99
4) Vinyl Chloride	2.518	62	401463	47.450	ug/l	98
5) Bromomethane	2.948	94	260387	48.509	ug/l	99
6) Chloroethane	3.124	64	246624	48.115	ug/l	99
7) Trichlorofluoromethane	3.500	101	484275	47.882	ug/l	97
8) Diethyl Ether	3.971	74	160638	47.672	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.377	101	255253	47.677	ug/l	96
10) Methyl Iodide	4.594	142	369421	50.214	ug/l	98
11) Tert butyl alcohol	5.536	59	235064	231.680	ug/l	99
12) 1,1-Dichloroethene	4.347	96	247136	47.721	ug/l	90
13) Acrolein	4.189	56	241463	241.890	ug/l	96
14) Allyl chloride	5.036	41	324793	45.897	ug/l	94
15) Acrylonitrile	5.730	53	627350	244.722	ug/l	100
16) Acetone	4.436	43	473949	231.243	ug/l	94
17) Carbon Disulfide	4.718	76	678266	45.292	ug/l	100
18) Methyl Acetate	5.042	43	408697	47.105	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	841502	49.317	ug/l	95
20) Methylene Chloride	5.283	84	300152	51.082	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	281902	48.305	ug/l	85
22) Diisopropyl ether	6.683	45	809119	51.063	ug/l	95
23) Vinyl Acetate	6.612	43	2567589	254.885	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	520375	48.737	ug/l	99
25) 2-Butanone	7.494	43	793884	246.066	ug/l	88
26) 2,2-Dichloropropane	7.500	77	421948	48.318	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	332982	49.322	ug/l	95
28) Bromochloromethane	7.818	49	216219	42.995	ug/l	92
29) Tetrahydrofuran	7.847	42	528247	249.527	ug/l	85
30) Chloroform	7.977	83	561113	50.478	ug/l	92
31) Cyclohexane	8.265	56	401006	45.097	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	499195	50.088	ug/l	97
36) 1,1-Dichloropropene	8.382	75	410035	50.475	ug/l	97
37) Ethyl Acetate	7.571	43	346395	51.152	ug/l	95
38) Carbon Tetrachloride	8.371	117	445802	50.493	ug/l	96
39) Methylcyclohexane	9.606	83	382557	51.591	ug/l #	90
40) Benzene	8.612	78	1230087	51.112	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	173461	50.246	ug/l	94
42) 1,2-Dichloroethane	8.682	62	411076	50.217	ug/l	100
43) Isopropyl Acetate	8.694	43	567506	50.901	ug/l	95
44) Trichloroethene	9.359	130	322872	49.776	ug/l	93
45) 1,2-Dichloropropane	9.629	63	309286	50.741	ug/l	95
46) Dibromomethane	9.718	93	225137	52.477	ug/l	93
47) Bromodichloromethane	9.894	83	441501	51.338	ug/l	96
48) Methyl methacrylate	9.688	41	262973	50.912	ug/l	91
49) 1,4-Dioxane	9.700	88	112467	998.419	ug/l	93
51) 4-Methyl-2-Pentanone	10.453	43	1740696	262.484	ug/l	93
52) Toluene	10.635	92	775329	51.980	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	466489	52.948	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	500667	53.312	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	302420	51.460	ug/l	95
56) Ethyl methacrylate	10.882	69	436834	53.174	ug/l	90
57) 1,3-Dichloropropane	11.171	76	512197	51.259	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	757031	258.580	ug/l	93
59) 2-Hexanone	11.200	43	1251226	265.474	ug/l	92
60) Dibromochloromethane	11.365	129	338730	52.209	ug/l	97
61) 1,2-Dibromoethane	11.476	107	317111	52.381	ug/l	97
64) Tetrachloroethene	11.112	164	282842	50.173	ug/l	98
65) Chlorobenzene	11.900	112	823328	49.124	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	319365	49.532	ug/l	98
67) Ethyl Benzene	11.970	91	1466842	51.776	ug/l	99
68) m/p-Xylenes	12.076	106	1109850	105.956	ug/l	98
69) o-Xylene	12.406	106	545202	51.532	ug/l	99
70) Styrene	12.417	104	886442	53.555	ug/l	98
71) Bromoform	12.582	173	227996	52.212	ug/l #	100
73) Isopropylbenzene	12.700	105	1365983	46.500	ug/l	99
74) N-amyl acetate	12.500	43	456211	45.064	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	427915	52.296	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	338915m	44.850	ug/l	
77) Bromobenzene	12.982	156	318045	49.778	ug/l	97
78) n-propylbenzene	13.041	91	1512042	48.129	ug/l	99
79) 2-Chlorotoluene	13.129	91	927916	45.092	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1103329	47.535	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	149079	51.842	ug/l	94
82) 4-Chlorotoluene	13.229	91	905694	47.180	ug/l	98
83) tert-Butylbenzene	13.441	119	942719	47.839	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	1096099	48.617	ug/l	98
85) sec-Butylbenzene	13.623	105	1182934	47.491	ug/l	99
86) p-Isopropyltoluene	13.735	119	968161	48.406	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	540138	47.896	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	526277	46.331	ug/l	99
89) n-Butylbenzene	14.059	91	732461	51.183	ug/l	97
90) Hexachloroethane	14.341	117	185135	50.368	ug/l	84
91) 1,2-Dichlorobenzene	14.111	146	535807	47.742	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	69501	49.397	ug/l	92
93) 1,2,4-Trichlorobenzene	15.400	180	169028	47.190	ug/l	96
94) Hexachlorobutadiene	15.506	225	90475	48.722	ug/l	97
95) Naphthalene	15.647	128	517533	42.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	185324	44.997	ug/l	97

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

