

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078488.D
 Acq On : 13 Jul 2023 10:33
 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 14 01:28:22 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 07/14/2023
 Supervised By : Semsettin Yesilyurt 07/14/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	463183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	772138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	686402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	291547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	315628	50.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.660%			
35) Dibromofluoromethane	8.171	113	282306	53.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.720%			
50) Toluene-d8	10.576	98	1049464	53.001	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.000%			
62) 4-Bromofluorobenzene	12.853	95	331851	54.410	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	254080	44.741	ug/l	97
3) Chloromethane	2.371	50	302708	49.042	ug/l	99
4) Vinyl Chloride	2.518	62	388376	48.640	ug/l	98
5) Bromomethane	2.947	94	255102	50.568	ug/l	99
6) Chloroethane	3.118	64	256452	53.219	ug/l	99
7) Trichlorofluoromethane	3.500	101	457679	47.951	ug/l	99
8) Diethyl Ether	3.971	74	152316	47.897	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.377	101	249906	49.461	ug/l	97
10) Methyl Iodide	4.594	142	346130	49.853	ug/l	97
11) Tert butyl alcohol	5.536	59	237838	248.390	ug/l	100
12) 1,1-Dichloroethene	4.347	96	239773	49.059	ug/l	92
13) Acrolein	4.189	56	220165	233.704	ug/l	96
14) Allyl chloride	5.030	41	298750	44.734	ug/l	91
15) Acrylonitrile	5.730	53	611877	252.917	ug/l	98
16) Acetone	4.436	43	509104	263.205	ug/l	93
17) Carbon Disulfide	4.712	76	628496	44.471	ug/l	97
18) Methyl Acetate	5.036	43	402968	49.214	ug/l	90
19) Methyl tert-butyl Ether	5.812	73	796962	49.491	ug/l	95
20) Methylene Chloride	5.283	84	288183	51.990	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	270913	49.189	ug/l	85
22) Diisopropyl ether	6.683	45	778280	52.045	ug/l	96
23) Vinyl Acetate	6.612	43	2445725	257.263	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	494929	49.118	ug/l	99
25) 2-Butanone	7.494	43	804945	264.370	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	419061	50.848	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	312331	49.022	ug/l	91
28) Bromochloromethane	7.824	49	241148	50.811	ug/l	92
29) Tetrahydrofuran	7.847	42	515230	257.889	ug/l #	85
30) Chloroform	7.971	83	544059	51.862	ug/l	89
31) Cyclohexane	8.265	56	394898	47.058	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	480155	51.051	ug/l	97
36) 1,1-Dichloropropene	8.377	75	395006	52.192	ug/l	98
37) Ethyl Acetate	7.571	43	311321	49.345	ug/l	94
38) Carbon Tetrachloride	8.371	117	425405	51.718	ug/l	98
39) Methylcyclohexane	9.606	83	366459	53.046	ug/l	94
40) Benzene	8.612	78	1171125	52.232	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	163158	50.729	ug/l	94
42) 1,2-Dichloroethane	8.682	62	395441	51.851	ug/l	99
43) Isopropyl Acetate	8.694	43	555132	53.444	ug/l	95
44) Trichloroethene	9.359	130	302947	50.131	ug/l	95
45) 1,2-Dichloropropane	9.629	63	300385	52.896	ug/l	95
46) Dibromomethane	9.718	93	215372	53.885	ug/l	94
47) Bromodichloromethane	9.894	83	427326	53.335	ug/l	100
48) Methyl methacrylate	9.688	41	254274	52.839	ug/l	91
49) 1,4-Dioxane	9.700	88	111035	1058.028	ug/l	91
51) 4-Methyl-2-Pentanone	10.453	43	1703809	275.772	ug/l	94
52) Toluene	10.635	92	750949	54.039	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	448851	54.684	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	486261	55.577	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	290297	53.021	ug/l	96
56) Ethyl methacrylate	10.882	69	433682	56.664	ug/l	91
57) 1,3-Dichloropropane	11.171	76	491222	52.766	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	757721	277.805	ug/l	93
59) 2-Hexanone	11.200	43	1212356	276.100	ug/l	94
60) Dibromochloromethane	11.365	129	331782	54.891	ug/l	99
61) 1,2-Dibromoethane	11.476	107	295411	52.377	ug/l	100
64) Tetrachloroethene	11.112	164	275087	53.306	ug/l	96
65) Chlorobenzene	11.900	112	785438	51.193	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	308147	52.208	ug/l	97
67) Ethyl Benzene	11.970	91	1415625	54.585	ug/l	98
68) m/p-Xylenes	12.076	106	1078076	112.432	ug/l	99
69) o-Xylene	12.406	106	518768	53.564	ug/l	97
70) Styrene	12.417	104	857843	56.616	ug/l	98
71) Bromoform	12.582	173	216455	54.149	ug/l #	98
73) Isopropylbenzene	12.700	105	1308169	47.752	ug/l	99
74) N-amyl acetate	12.500	43	432244	45.785	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	412061	54.108	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	337197m	47.849	ug/l	
77) Bromobenzene	12.988	156	310850	52.247	ug/l	96
78) n-propylbenzene	13.041	91	1477247	50.422	ug/l	100
79) 2-Chlorotoluene	13.129	91	923811	48.140	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1062579	49.090	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	129630	48.338	ug/l	94
82) 4-Chlorotoluene	13.229	91	880634	49.192	ug/l	98
83) tert-Butylbenzene	13.447	119	881688	47.977	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1045626	49.733	ug/l	97
85) sec-Butylbenzene	13.623	105	1139182	49.042	ug/l	99
86) p-Isopropyltoluene	13.735	119	939396	50.365	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	531499	50.538	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	516756	48.783	ug/l	99
89) n-Butylbenzene	14.064	91	685180	51.342	ug/l	98
90) Hexachloroethane	14.341	117	180265	52.626	ug/l	84
91) 1,2-Dichlorobenzene	14.111	146	510677	48.793	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	65764	50.150	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	167310	50.089	ug/l	98
94) Hexachlorobutadiene	15.506	225	90011	52.279	ug/l	99
95) Naphthalene	15.647	128	490887	42.987	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	177925	46.325	ug/l	96

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

