

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091223\
 Data File : VN079232.D
 Acq On : 12 Sep 2023 11:10
 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 09/13/2023
 Supervised By : Mahesh Dadoda 09/13/2023

Quant Time: Sep 13 01:30:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	170060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	284877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	259777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	113392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	117849	51.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.680%			
35) Dibromofluoromethane	8.171	113	101384	53.502	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.000%			
50) Toluene-d8	10.571	98	380113	54.630	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.260%			
62) 4-Bromofluorobenzene	12.853	95	127631	57.506	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	72400	43.027	ug/l	99
3) Chloromethane	2.365	50	95612	43.285	ug/l	98
4) Vinyl Chloride	2.512	62	103666	43.072	ug/l	99
5) Bromomethane	2.942	94	54409	39.329	ug/l	97
6) Chloroethane	3.112	64	69342	44.946	ug/l	98
7) Trichlorofluoromethane	3.495	101	152664	43.317	ug/l	99
8) Diethyl Ether	3.959	74	59562	48.690	ug/l	71
9) 1,1,2-Trichlorotrifluo...	4.371	101	85484	45.608	ug/l	95
10) Methyl Iodide	4.589	142	96221	62.758	ug/l	95
11) Tert butyl alcohol	5.524	59	84938	200.408	ug/l	100
12) 1,1-Dichloroethene	4.342	96	87724	48.366	ug/l	92
13) Acrolein	4.183	56	86128	213.038	ug/l	97
14) Allyl chloride	5.024	41	144107	49.806	ug/l #	82
15) Acrylonitrile	5.724	53	254696	231.760	ug/l	99
16) Acetone	4.430	43	200670	205.821	ug/l	99
17) Carbon Disulfide	4.712	76	245710	43.345	ug/l	99
18) Methyl Acetate	5.030	43	178407	44.523	ug/l #	87
19) Methyl tert-butyl Ether	5.800	73	296958	47.739	ug/l	94
20) Methylene Chloride	5.277	84	106996	45.096	ug/l #	91
21) trans-1,2-Dichloroethene	5.789	96	100080	47.566	ug/l	85
22) Diisopropyl ether	6.677	45	320624	50.505	ug/l #	88
23) Vinyl Acetate	6.606	43	942808	241.449	ug/l #	89
24) 1,1-Dichloroethane	6.571	63	190236	48.610	ug/l	97
25) 2-Butanone	7.488	43	324304	229.253	ug/l #	85
26) 2,2-Dichloropropane	7.494	77	141803	44.155	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	115331	47.938	ug/l	91
28) Bromochloromethane	7.818	49	93293	52.725	ug/l	85
29) Tetrahydrofuran	7.841	42	218264	242.454	ug/l #	80
30) Chloroform	7.971	83	194361	47.701	ug/l	94
31) Cyclohexane	8.259	56	149756	44.677	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	164763	47.437	ug/l	97
36) 1,1-Dichloropropene	8.377	75	143410	49.099	ug/l	97
37) Ethyl Acetate	7.565	43	134423	46.141	ug/l #	94
38) Carbon Tetrachloride	8.365	117	144254	47.725	ug/l	98
39) Methylcyclohexane	9.606	83	142897	49.598	ug/l	91
40) Benzene	8.612	78	439949	49.204	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	74809	50.929	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	139779	45.410	ug/l	98
43) Isopropyl Acetate	8.694	43	214615	45.148	ug/l #	95
44) Trichloroethene	9.353	130	107853	48.965	ug/l	98
45) 1,2-Dichloropropane	9.624	63	113664	51.222	ug/l	98
46) Dibromomethane	9.712	93	74321	49.337	ug/l	90
47) Bromodichloromethane	9.888	83	151398	49.069	ug/l	97
48) Methyl methacrylate	9.682	41	103823	48.761	ug/l #	81
49) 1,4-Dioxane	9.700	88	44851	1024.126	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	663746	240.537	ug/l	95
52) Toluene	10.635	92	269920	49.121	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	159152	48.919	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	175046	50.305	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	106164	49.238	ug/l	98
56) Ethyl methacrylate	10.876	69	162585	53.418	ug/l #	87
57) 1,3-Dichloropropane	11.165	76	182881	49.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	310542	243.386	ug/l	92
59) 2-Hexanone	11.200	43	476938	238.633	ug/l	94
60) Dibromochloromethane	11.365	129	113609	49.509	ug/l	100
61) 1,2-Dibromoethane	11.471	107	105965	49.246	ug/l	97
64) Tetrachloroethene	11.106	164	90538	47.797	ug/l	95
65) Chlorobenzene	11.894	112	275442	46.804	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	105768	47.929	ug/l	98
67) Ethyl Benzene	11.965	91	502639	49.934	ug/l	96
68) m/p-Xylenes	12.076	106	382260	101.882	ug/l	97
69) o-Xylene	12.400	106	184897	51.383	ug/l	95
70) Styrene	12.418	104	312792	54.047	ug/l	100
71) Bromoform	12.582	173	79596	48.858	ug/l #	99
73) Isopropylbenzene	12.700	105	458487	44.441	ug/l	100
74) N-amyl acetate	12.500	43	173943	44.441	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	151719	39.493	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	135229m	44.249	ug/l	
77) Bromobenzene	12.982	156	114402	43.794	ug/l	98
78) n-propylbenzene	13.041	91	542084	46.775	ug/l	99
79) 2-Chlorotoluene	13.129	91	332568	43.875	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	384608	44.741	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	51649	46.463	ug/l	96
82) 4-Chlorotoluene	13.223	91	325493	45.700	ug/l	100
83) tert-Butylbenzene	13.441	119	313523	44.087	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	383455	46.838	ug/l	99
85) sec-Butylbenzene	13.617	105	446799	45.637	ug/l	99
86) p-Isopropyltoluene	13.735	119	366939	46.913	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	194401	45.372	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	191048	44.127	ug/l	98
89) n-Butylbenzene	14.059	91	296961	48.281	ug/l	100
90) Hexachloroethane	14.335	117	66365	41.782	ug/l	76
91) 1,2-Dichlorobenzene	14.112	146	189866	44.888	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	25706	44.017	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	74959	49.315	ug/l	96
94) Hexachlorobutadiene	15.506	225	47055	39.354	ug/l	98
95) Naphthalene	15.647	128	199501	44.192	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	79505	44.343	ug/l	99

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

