

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110923\
 Data File : VN080022.D
 Acq On : 09 Nov 2023 15:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2023
 Supervised By : Mahesh Dadoda 11/10/2023

Quant Time: Nov 10 00:24:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	329631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	557967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	515662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	251284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	273910	54.542	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.080%			
35) Dibromofluoromethane	8.165	113	218187	55.250	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.500%			
50) Toluene-d8	10.571	98	790735	54.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.780%			
62) 4-Bromofluorobenzene	12.853	95	292192	60.602	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	191491	48.229	ug/l	100
3) Chloromethane	2.359	50	234767	47.404	ug/l	100
4) Vinyl Chloride	2.512	62	516253	99.330	ug/l	98
5) Bromomethane	2.947	94	112179	35.523	ug/l	94
6) Chloroethane	3.118	64	139307	33.922	ug/l	95
7) Trichlorofluoromethane	3.494	101	350588	54.234	ug/l	98
8) Diethyl Ether	3.959	74	128812	52.510	ug/l	68
9) 1,1,2-Trichlorotrifluo...	4.371	101	202447	54.024	ug/l	99
10) Methyl Iodide	4.589	142	207713	48.538	ug/l	97
11) Tert butyl alcohol	5.530	59	147312	229.786	ug/l	100
12) 1,1-Dichloroethene	4.342	96	183058	51.593	ug/l	84
13) Acrolein	4.183	56	146228	304.530	ug/l	95
14) Allyl chloride	5.018	41	304543	56.040	ug/l #	92
15) Acrylonitrile	5.718	53	571478	286.048	ug/l	99
16) Acetone	4.424	43	538137	305.059	ug/l	89
17) Carbon Disulfide	4.706	76	456864	44.640	ug/l	98
18) Methyl Acetate	5.024	43	471152	55.826	ug/l #	85
19) Methyl tert-butyl Ether	5.800	73	691387	56.598	ug/l	94
20) Methylene Chloride	5.277	84	234029	52.577	ug/l #	84
21) trans-1,2-Dichloroethene	5.788	96	210159	53.108	ug/l #	75
22) Diisopropyl ether	6.677	45	765847	60.811	ug/l #	88
23) Vinyl Acetate	6.606	43	2022211	291.104	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	446594	58.344	ug/l	97
25) 2-Butanone	7.488	43	765035	296.160	ug/l #	82
26) 2,2-Dichloropropane	7.494	77	374161	59.104	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	255823	54.045	ug/l	83
28) Bromochloromethane	7.818	49	223315	59.864	ug/l #	74
29) Tetrahydrofuran	7.841	42	488216	290.492	ug/l #	76
30) Chloroform	7.965	83	458052	55.090	ug/l	93
31) Cyclohexane	8.259	56	328451	49.494	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	390777	57.681	ug/l	96
36) 1,1-Dichloropropene	8.371	75	330274	58.574	ug/l	94
37) Ethyl Acetate	7.559	43	305822	59.139	ug/l #	92
38) Carbon Tetrachloride	8.365	117	332152	58.450	ug/l	99
39) Methylcyclohexane	9.606	83	292375	55.098	ug/l #	87
40) Benzene	8.606	78	965144	57.148	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	167699	61.069	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	354504	60.093	ug/l	98
43) Isopropyl Acetate	8.688	43	499818	55.114	ug/l #	93
44) Trichloroethene	9.359	130	234314	55.912	ug/l	98
45) 1,2-Dichloropropane	9.624	63	263226	60.989	ug/l	96
46) Dibromomethane	9.712	93	170176	57.746	ug/l	95
47) Bromodichloromethane	9.888	83	364017	57.919	ug/l	99
48) Methyl methacrylate	9.682	41	249230	62.743	ug/l #	79
49) 1,4-Dioxane	9.700	88	78838	1123.215	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	1598597	313.102	ug/l	92
52) Toluene	10.635	92	600409	59.968	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	375105	60.881	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	410207	61.082	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	246506	61.212	ug/l	99
56) Ethyl methacrylate	10.876	69	365476	63.625	ug/l #	87
57) 1,3-Dichloropropane	11.165	76	432886	60.984	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	716257	246.021	ug/l	90
59) 2-Hexanone	11.200	43	1186014	303.652	ug/l	90
60) Dibromochloromethane	11.365	129	260029	60.323	ug/l	98
61) 1,2-Dibromoethane	11.476	107	234962	58.131	ug/l	98
64) Tetrachloroethene	11.106	164	210515	63.034	ug/l	99
65) Chlorobenzene	11.894	112	637524	56.995	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	243515	60.424	ug/l	97
67) Ethyl Benzene	11.965	91	1162107	59.631	ug/l	96
68) m/p-Xylenes	12.076	106	874433	120.450	ug/l	94
69) o-Xylene	12.400	106	422380	60.420	ug/l	93
70) Styrene	12.412	104	724596	64.496	ug/l	98
71) Bromoform	12.582	173	172285	60.204	ug/l #	98
73) Isopropylbenzene	12.700	105	1053572	55.245	ug/l	99
74) N-amyl acetate	12.500	43	427975	51.413	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	349921	51.750	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	286619m	48.584	ug/l	
77) Bromobenzene	12.982	156	256128	54.856	ug/l	93
78) n-propylbenzene	13.041	91	1266744	58.003	ug/l	98
79) 2-Chlorotoluene	13.129	91	785800	56.324	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	885841	59.702	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	126087	58.150	ug/l #	84
82) 4-Chlorotoluene	13.223	91	799757	57.687	ug/l	98
83) tert-Butylbenzene	13.441	119	734095	60.442	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	897037	61.448	ug/l	100
85) sec-Butylbenzene	13.617	105	992568	58.986	ug/l	99
86) p-Isopropyltoluene	13.735	119	824918	60.129	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	474136	54.588	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	471035	53.428	ug/l	99
89) n-Butylbenzene	14.059	91	699997	59.240	ug/l	99
90) Hexachloroethane	14.335	117	151665	55.821	ug/l	90
91) 1,2-Dichlorobenzene	14.111	146	458755	55.950	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	64689	56.415	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	217281	55.731	ug/l	97
94) Hexachlorobutadiene	15.505	225	101433	57.391	ug/l	99
95) Naphthalene	15.647	128	688931	52.106	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	211016	55.216	ug/l	97

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

