

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079537.D
 Acq On : 12 Oct 2023 11:39
 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 10/13/2023
 Supervised By : Mahesh Dadoda 10/13/2023

Quant Time: Oct 13 01:15:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	265831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	467323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	429726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	185133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	236442	54.856	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.720%			
35) Dibromofluoromethane	8.171	113	183262	54.569	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.140%			
50) Toluene-d8	10.571	98	691335	56.893	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.780%#			
62) 4-Bromofluorobenzene	12.853	95	220976	56.665	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	163193	42.841	ug/l	98
3) Chloromethane	2.365	50	194127	40.843	ug/l	97
4) Vinyl Chloride	2.518	62	211142	42.708	ug/l	99
5) Bromomethane	2.936	94	122501	41.391	ug/l	98
6) Chloroethane	3.112	64	139314	37.377	ug/l	100
7) Trichlorofluoromethane	3.495	101	255355	43.746	ug/l	95
8) Diethyl Ether	3.965	74	95184	45.740	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.371	101	145952	42.787	ug/l	99
10) Methyl Iodide	4.589	142	166433	56.227	ug/l	100
11) Tert butyl alcohol	5.524	59	146210	225.381	ug/l	100
12) 1,1-Dichloroethene	4.342	96	136333	43.407	ug/l #	82
13) Acrolein	4.183	56	131120	202.988	ug/l	95
14) Allyl chloride	5.024	41	214713	42.362	ug/l	91
15) Acrylonitrile	5.724	53	428628	227.901	ug/l	99
16) Acetone	4.430	43	403165	235.826	ug/l	93
17) Carbon Disulfide	4.712	76	384628	39.260	ug/l	99
18) Methyl Acetate	5.024	43	346141	41.367	ug/l #	85
19) Methyl tert-butyl Ether	5.800	73	472612	46.311	ug/l	95
20) Methylene Chloride	5.283	84	167683	44.727	ug/l	87
21) trans-1,2-Dichloroethene	5.789	96	153469	41.836	ug/l	86
22) Diisopropyl ether	6.677	45	533546	46.945	ug/l #	90
23) Vinyl Acetate	6.606	43	1515941	237.123	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	308295	44.322	ug/l	97
25) 2-Butanone	7.489	43	582821	229.693	ug/l #	80
26) 2,2-Dichloropropane	7.500	77	237870	44.748	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	182664	45.836	ug/l	87
28) Bromochloromethane	7.818	49	144623	43.699	ug/l #	74
29) Tetrahydrofuran	7.841	42	380343	231.768	ug/l #	76
30) Chloroform	7.971	83	314466	44.745	ug/l	94
31) Cyclohexane	8.265	56	246578	40.330	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	264551	44.730	ug/l	94
36) 1,1-Dichloropropene	8.377	75	229655	45.563	ug/l	94
37) Ethyl Acetate	7.565	43	241478	48.147	ug/l #	90
38) Carbon Tetrachloride	8.365	117	224751	44.541	ug/l	97
39) Methylcyclohexane	9.606	83	210968	43.565	ug/l #	87
40) Benzene	8.612	78	688063	45.965	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	117776	44.667	ug/l	87
42) 1,2-Dichloroethane	8.677	62	255334	46.943	ug/l	97
43) Isopropyl Acetate	8.694	43	388952	44.266	ug/l #	88
44) Trichloroethene	9.359	130	157250	44.632	ug/l	99
45) 1,2-Dichloropropane	9.630	63	187079	47.433	ug/l	97
46) Dibromomethane	9.712	93	122608	47.999	ug/l	96
47) Bromodichloromethane	9.894	83	246613	46.934	ug/l	96
48) Methyl methacrylate	9.683	41	176868	46.973	ug/l #	82
49) 1,4-Dioxane	9.694	88	67186	968.726	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	1212290	244.407	ug/l	89
52) Toluene	10.635	92	420820	47.759	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	254269	48.019	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	280411	48.375	ug/l #	91
55) 1,1,2-Trichloroethane	11.018	97	166656	47.111	ug/l	97
56) Ethyl methacrylate	10.877	69	249564	51.341	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	294144	48.155	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	497035	266.996	ug/l #	88
59) 2-Hexanone	11.200	43	881747	246.349	ug/l	87
60) Dibromochloromethane	11.365	129	176163	49.550	ug/l	100
61) 1,2-Dibromoethane	11.471	107	162918	46.408	ug/l	98
64) Tetrachloroethene	11.106	164	128799	43.569	ug/l	94
65) Chlorobenzene	11.894	112	424478	44.355	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	164259	46.877	ug/l	97
67) Ethyl Benzene	11.971	91	791527	47.585	ug/l	95
68) m/p-Xylenes	12.076	106	587605	97.224	ug/l	94
69) o-Xylene	12.400	106	283637	47.720	ug/l	93
70) Styrene	12.418	104	479188	51.040	ug/l	99
71) Bromoform	12.582	173	117328	45.750	ug/l #	99
73) Isopropylbenzene	12.700	105	723618	42.014	ug/l	98
74) N-amyl acetate	12.500	43	312703	44.286	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	252704	45.344	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	221205m	41.441	ug/l	
77) Bromobenzene	12.982	156	170640	40.406	ug/l	94
78) n-propylbenzene	13.041	91	855620	43.908	ug/l	97
79) 2-Chlorotoluene	13.129	91	513427	41.174	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	592154	43.600	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	70708	38.435	ug/l #	72
82) 4-Chlorotoluene	13.223	91	507843	42.799	ug/l	98
83) tert-Butylbenzene	13.441	119	469720	42.213	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	594042	45.832	ug/l	100
85) sec-Butylbenzene	13.618	105	657766	42.379	ug/l	100
86) p-Isopropyltoluene	13.735	119	541459	45.475	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	296555	44.274	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	280064	40.493	ug/l	99
89) n-Butylbenzene	14.059	91	427779	44.990	ug/l	97
90) Hexachloroethane	14.335	117	106288	43.841	ug/l	88
91) 1,2-Dichlorobenzene	14.112	146	286208	43.805	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	39664	39.826	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	90286	44.617	ug/l	98
94) Hexachlorobutadiene	15.506	225	60389	38.317	ug/l	98
95) Naphthalene	15.647	128	249264	40.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	95981	39.747	ug/l	98

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

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