

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079889.D
 Acq On : 04 Nov 2023 13:19
 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 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

Quant Time: Nov 06 02:11:26 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	8.230	168	279836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	486763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	448472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	209056	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	240010	56.296	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.600%	
35) Dibromofluoromethane	8.171	113	186435	54.116	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.240%	
50) Toluene-d8	10.571	98	683431	53.887	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.780%	
62) 4-Bromofluorobenzene	12.853	95	237328	56.423	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.840%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	181738	53.917	ug/l	95
3) Chloromethane	2.359	50	203022	48.336	ug/l	98
4) Vinyl Chloride	2.512	62	269506	61.082	ug/l	96
5) Bromomethane	2.948	94	159151	59.366	ug/l	96
6) Chloroethane	3.112	64	164173	47.090	ug/l	94
7) Trichlorofluoromethane	3.500	101	284209	51.789	ug/l	99
8) Diethyl Ether	3.959	74	112625	54.081	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.365	101	168875	53.084	ug/l	99
10) Methyl Iodide	4.589	142	195714	53.873	ug/l	98
11) Tert butyl alcohol	5.518	59	126798	232.982	ug/l	99
12) 1,1-Dichloroethene	4.342	96	155475	51.616	ug/l #	81
13) Acrolein	4.177	56	132919	335.012	ug/l	97
14) Allyl chloride	5.024	41	257699	55.858	ug/l	90
15) Acrylonitrile	5.718	53	475205	280.185	ug/l	99
16) Acetone	4.424	43	459849	307.066	ug/l	92
17) Carbon Disulfide	4.712	76	428816	49.355	ug/l	98
18) Methyl Acetate	5.024	43	398048	55.556	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	583909	56.306	ug/l #	91
20) Methylene Chloride	5.283	84	197565	52.283	ug/l #	84
21) trans-1,2-Dichloroethene	5.789	96	178873	53.246	ug/l #	80
22) Diisopropyl ether	6.671	45	656634	61.417	ug/l #	89
23) Vinyl Acetate	6.606	43	1714142	290.665	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	373394	57.461	ug/l	96
25) 2-Butanone	7.483	43	667746	304.495	ug/l #	82
26) 2,2-Dichloropropane	7.488	77	291099	54.166	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	221128	55.028	ug/l	85
28) Bromochloromethane	7.818	49	179910	56.811	ug/l #	77
29) Tetrahydrofuran	7.841	42	415856	291.467	ug/l #	75
30) Chloroform	7.971	83	380235	53.868	ug/l	96
31) Cyclohexane	8.259	56	297742	52.850	ug/l	83
32) 1,1,1-Trichloroethane	8.171	97	322271	56.034	ug/l	93
36) 1,1-Dichloropropene	8.377	75	278286	56.573	ug/l	95
37) Ethyl Acetate	7.565	43	263207	58.343	ug/l #	90
38) Carbon Tetrachloride	8.365	117	279796	56.439	ug/l	97
39) Methylcyclohexane	9.606	83	259644	56.087	ug/l #	85
40) Benzene	8.606	78	824161	55.939	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	147550	61.591	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	308790	60.001	ug/l	97
43) Isopropyl Acetate	8.694	43	432077	54.614	ug/l #	91
44) Trichloroethene	9.353	130	197108	53.914	ug/l	97
45) 1,2-Dichloropropane	9.624	63	227066	60.307	ug/l	93
46) Dibromomethane	9.712	93	149013	57.961	ug/l	96
47) Bromodichloromethane	9.888	83	306835	55.962	ug/l	96
48) Methyl methacrylate	9.682	41	214030	61.763	ug/l #	80
49) 1,4-Dioxane	9.700	88	66936	1093.146	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	1355788	304.389	ug/l	90
52) Toluene	10.629	92	508686	58.239	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	318602	59.275	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	345779	59.020	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	199957	56.917	ug/l	94
56) Ethyl methacrylate	10.876	69	306090	61.082	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	362764	58.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	709161	279.215	ug/l	89
59) 2-Hexanone	11.200	43	991197	290.895	ug/l	88
60) Dibromochloromethane	11.359	129	219528	58.377	ug/l	100
61) 1,2-Dibromoethane	11.470	107	202218	57.349	ug/l	97
64) Tetrachloroethene	11.106	164	178918	61.599	ug/l	98
65) Chlorobenzene	11.894	112	525223	53.990	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	198432	56.614	ug/l	97
67) Ethyl Benzene	11.965	91	960846	56.690	ug/l	96
68) m/p-Xylenes	12.076	106	722384	114.414	ug/l	93
69) o-Xylene	12.400	106	343373	56.477	ug/l	89
70) Styrene	12.412	104	592461	60.636	ug/l	97
71) Bromoform	12.582	173	146068	58.689	ug/l #	98
73) Isopropylbenzene	12.700	105	875089	55.155	ug/l	99
74) N-amyl acetate	12.500	43	360179	52.009	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	285188	50.696	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	264081m	53.806	ug/l	
77) Bromobenzene	12.982	156	208799	53.753	ug/l	91
78) n-propylbenzene	13.041	91	1049793	57.779	ug/l	97
79) 2-Chlorotoluene	13.129	91	645892	55.647	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	723863	58.640	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	100654	55.798	ug/l #	82
82) 4-Chlorotoluene	13.223	91	642677	55.721	ug/l	100
83) tert-Butylbenzene	13.441	119	580854	57.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	723400	59.563	ug/l	100
85) sec-Butylbenzene	13.617	105	809258	57.807	ug/l	99
86) p-Isopropyltoluene	13.735	119	676139	59.239	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	390784	54.079	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	386677	52.719	ug/l	100
89) n-Butylbenzene	14.059	91	573939	58.383	ug/l	99
90) Hexachloroethane	14.335	117	123104	54.461	ug/l	90
91) 1,2-Dichlorobenzene	14.106	146	371191	54.415	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	52844	55.393	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	177961	54.866	ug/l	98
94) Hexachlorobutadiene	15.506	225	81698	55.562	ug/l	99
95) Naphthalene	15.647	128	543790	49.437	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	171399	53.908	ug/l	96

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

