

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079399.D
 Acq On : 04 Oct 2023 13:04
 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 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 02:18:49 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	8.229	168	156007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	278196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	254961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	119163	56.584	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.160%			
35) Dibromofluoromethane	8.171	113	93187	50.358	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.720%			
50) Toluene-d8	10.571	98	332264	48.900	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.800%			
62) 4-Bromofluorobenzene	12.853	95	112884	52.083	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	77870	50.446	ug/l	98
3) Chloromethane	2.365	50	100819	49.754	ug/l	99
4) Vinyl Chloride	2.518	62	121248	54.915	ug/l	95
5) Bromomethane	2.936	94	69333	54.630	ug/l	99
6) Chloroethane	3.112	64	85694	60.894	ug/l	100
7) Trichlorofluoromethane	3.494	101	159182	49.235	ug/l	99
8) Diethyl Ether	3.959	74	60745	54.131	ug/l	64
9) 1,1,2-Trichlorotrifluo...	4.377	101	92440	53.762	ug/l	99
10) Methyl Iodide	4.594	142	103013	73.241	ug/l	95
11) Tert butyl alcohol	5.530	59	89967	231.395	ug/l	98
12) 1,1-Dichloroethene	4.336	96	84562	50.822	ug/l	87
13) Acrolein	4.177	56	135359	364.971	ug/l	98
14) Allyl chloride	5.024	41	136397	51.388	ug/l #	89
15) Acrylonitrile	5.724	53	304618	302.155	ug/l	99
16) Acetone	4.430	43	274332	306.720	ug/l	94
17) Carbon Disulfide	4.712	76	191729	36.869	ug/l	100
18) Methyl Acetate	5.030	43	239352	65.114	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	334068	58.542	ug/l	94
20) Methylene Chloride	5.277	84	114910	52.795	ug/l #	84
21) trans-1,2-Dichloroethene	5.788	96	95909	49.689	ug/l #	79
22) Diisopropyl ether	6.677	45	377989	64.904	ug/l #	90
23) Vinyl Acetate	6.606	43	1073303	299.628	ug/l #	85
24) 1,1-Dichloroethane	6.571	63	211947	59.036	ug/l	95
25) 2-Butanone	7.488	43	405276	312.299	ug/l #	83
26) 2,2-Dichloropropane	7.488	77	155163	52.667	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	121437	55.022	ug/l	85
28) Bromochloromethane	7.818	49	101681	62.642	ug/l #	73
29) Tetrahydrofuran	7.841	42	266268	322.421	ug/l #	74
30) Chloroform	7.971	83	224977	60.188	ug/l	94
31) Cyclohexane	8.265	56	151457	49.255	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	182471	57.268	ug/l	94
36) 1,1-Dichloropropene	8.377	75	148472	52.053	ug/l	95
37) Ethyl Acetate	7.565	43	164912	57.966	ug/l #	89
38) Carbon Tetrachloride	8.365	117	153033	51.846	ug/l	99
39) Methylcyclohexane	9.606	83	135437	48.137	ug/l #	86
40) Benzene	8.612	78	463585	53.092	ug/l	100

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41) Methacrylonitrile	7.782	41	85776	59.797	ug/l #	87
42) 1,2-Dichloroethane	8.677	62	174681	58.111	ug/l	99
43) Isopropyl Acetate	8.694	43	269826	58.126	ug/l #	90
44) Trichloroethene	9.359	130	105612	49.099	ug/l	99
45) 1,2-Dichloropropane	9.629	63	129208	59.625	ug/l	96
46) Dibromomethane	9.712	93	84274	57.287	ug/l	94
47) Bromodichloromethane	9.894	83	181305	60.173	ug/l	99
48) Methyl methacrylate	9.688	41	126231	60.709	ug/l #	82
49) 1,4-Dioxane	9.700	88	47104	1101.401	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	869176	322.548	ug/l	89
52) Toluene	10.635	92	289133	53.882	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	175838	55.346	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	191553	56.371	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	122390	58.127	ug/l	98
56) Ethyl methacrylate	10.876	69	177099	59.584	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	212893	58.489	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	346975	274.530	ug/l	89
59) 2-Hexanone	11.200	43	620926	318.138	ug/l	88
60) Dibromochloromethane	11.365	129	125968	56.213	ug/l	97
61) 1,2-Dibromoethane	11.470	107	115716	55.069	ug/l	98
64) Tetrachloroethene	11.106	164	86718	46.645	ug/l	96
65) Chlorobenzene	11.894	112	297735	51.548	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	117875	54.424	ug/l	97
67) Ethyl Benzene	11.970	91	547051	55.373	ug/l	99
68) m/p-Xylenes	12.076	106	412533	112.028	ug/l	96
69) o-Xylene	12.406	106	200753	56.843	ug/l	95
70) Styrene	12.417	104	341089	60.050	ug/l	98
71) Bromoform	12.582	173	85186	53.277	ug/l #	98
73) Isopropylbenzene	12.700	105	518162	49.755	ug/l	99
74) N-amyl acetate	12.500	43	212456	53.772	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	185615	47.864	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	141928m	46.007	ug/l	
77) Bromobenzene	12.982	156	120497	45.695	ug/l	94
78) n-propylbenzene	13.041	91	614742	52.548	ug/l	97
79) 2-Chlorotoluene	13.129	91	370704	48.448	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	437515	50.419	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	50608	45.100	ug/l #	83
82) 4-Chlorotoluene	13.223	91	361921	50.339	ug/l	99
83) tert-Butylbenzene	13.441	119	353528	49.247	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	431139	52.170	ug/l	99
85) sec-Butylbenzene	13.617	105	509353	51.539	ug/l	99
86) p-Isopropyltoluene	13.735	119	403503	51.105	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	212318	49.089	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	205595	47.042	ug/l	99
89) n-Butylbenzene	14.059	91	326227	52.542	ug/l	97
90) Hexachloroethane	14.335	117	81533	50.850	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	209253	49.009	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	28530	48.395	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	66757	43.508	ug/l	97
94) Hexachlorobutadiene	15.505	225	46252	38.320	ug/l	99
95) Naphthalene	15.647	128	179203	39.324	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	72974	40.319	ug/l	97

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

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