

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102423\
 Data File : VN079670.D
 Acq On : 24 Oct 2023 20:49
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 25 02:12:16 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

Manual Integrations APPROVED

Reviewed By : John Carlone 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	246370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	429958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	392914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	175354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	198420	49.671	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.340%		
35) Dibromofluoromethane	8.171	113	159650	51.669	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.340%		
50) Toluene-d8	10.571	98	583380	52.181	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.360%		
62) 4-Bromofluorobenzene	12.853	95	197024	54.914	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	157778	44.692	ug/l	98
3) Chloromethane	2.365	50	185805	42.180	ug/l	99
4) Vinyl Chloride	2.518	62	210588	45.961	ug/l	97
5) Bromomethane	2.942	94	128460	46.833	ug/l	100
6) Chloroethane	3.118	64	140980	40.812	ug/l	99
7) Trichlorofluoromethane	3.500	101	253962	46.944	ug/l	99
8) Diethyl Ether	3.965	74	96415	49.991	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.377	101	147781	46.745	ug/l	98
10) Methyl Iodide	4.595	142	166960	60.860	ug/l	97
11) Tert butyl alcohol	5.518	59	136303	226.706	ug/l	100
12) 1,1-Dichloroethene	4.347	96	137272	47.158	ug/l #	81
13) Acrolein	4.183	56	142277	237.658	ug/l	97
14) Allyl chloride	5.030	41	213119	45.369	ug/l	88
15) Acrylonitrile	5.724	53	427261	245.119	ug/l	99
16) Acetone	4.430	43	347069	219.050	ug/l	91
17) Carbon Disulfide	4.718	76	364048	40.094	ug/l	99
18) Methyl Acetate	5.024	43	352004	45.391	ug/l #	84
19) Methyl tert-butyl Ether	5.794	73	494160	52.248	ug/l	95
20) Methylene Chloride	5.283	84	168666	48.595	ug/l #	80
21) trans-1,2-Dichloroethene	5.789	96	154300	45.385	ug/l #	82
22) Diisopropyl ether	6.677	45	553456	52.543	ug/l #	91
23) Vinyl Acetate	6.606	43	1478256	249.494	ug/l #	85
24) 1,1-Dichloroethane	6.571	63	314657	48.810	ug/l	97
25) 2-Butanone	7.488	43	557909	237.243	ug/l #	81
26) 2,2-Dichloropropane	7.494	77	236080	47.919	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	187058	50.646	ug/l	88
28) Bromochloromethane	7.818	49	155282	50.626	ug/l #	73
29) Tetrahydrofuran	7.841	42	373874	245.823	ug/l #	74
30) Chloroform	7.971	83	321424	49.348	ug/l	94
31) Cyclohexane	8.259	56	248457	43.848	ug/l	84
32) 1,1,1-Trichloroethane	8.171	97	270818	49.406	ug/l	94
36) 1,1-Dichloropropene	8.377	75	232493	50.134	ug/l	95
37) Ethyl Acetate	7.565	43	238302	51.643	ug/l #	90
38) Carbon Tetrachloride	8.365	117	233594	50.316	ug/l	98
39) Methylcyclohexane	9.606	83	222162	49.863	ug/l #	88
40) Benzene	8.612	78	697429	50.640	ug/l	99

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41) Methacrylonitrile	7.783	41	127084	52.386	ug/l #	85
42) 1,2-Dichloroethane	8.677	62	252269	50.410	ug/l	97
43) Isopropyl Acetate	8.694	43	386460	47.804	ug/l #	89
44) Trichloroethene	9.359	130	165904	51.181	ug/l	98
45) 1,2-Dichloropropane	9.624	63	187591	51.697	ug/l	96
46) Dibromomethane	9.712	93	121522	51.708	ug/l	95
47) Bromodichloromethane	9.894	83	258210	53.412	ug/l	98
48) Methyl methacrylate	9.682	41	184137	53.154	ug/l #	80
49) 1,4-Dioxane	9.700	88	62766	983.644	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	1202015	263.396	ug/l	89
52) Toluene	10.635	92	428484	52.854	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	264191	54.229	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	283342	53.129	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	174778	53.701	ug/l	96
56) Ethyl methacrylate	10.876	69	257926	57.672	ug/l #	82
57) 1,3-Dichloropropane	11.171	76	302167	53.767	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	467707	273.076	ug/l	90
59) 2-Hexanone	11.200	43	855409	259.760	ug/l	88
60) Dibromochloromethane	11.365	129	179742	54.950	ug/l	99
61) 1,2-Dibromoethane	11.471	107	166430	51.528	ug/l	98
64) Tetrachloroethene	11.106	164	132145	48.889	ug/l	97
65) Chlorobenzene	11.894	112	442282	50.545	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	167445	52.263	ug/l	98
67) Ethyl Benzene	11.965	91	816168	53.664	ug/l	97
68) m/p-Xylenes	12.076	106	612364	110.813	ug/l	94
69) o-Xylene	12.400	106	295980	54.462	ug/l	93
70) Styrene	12.418	104	490189	57.103	ug/l	97
71) Bromoform	12.582	173	122703	52.329	ug/l #	98
73) Isopropylbenzene	12.700	105	764498	46.863	ug/l	99
74) N-amyl acetate	12.500	43	310737	46.462	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	251446	47.697	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	226854m	44.869	ug/l	
77) Bromobenzene	12.982	156	175423	43.855	ug/l	95
78) n-propylbenzene	13.041	91	905150	49.040	ug/l	97
79) 2-Chlorotoluene	13.129	91	542546	45.936	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	627319	48.765	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	72359	41.526	ug/l #	85
82) 4-Chlorotoluene	13.223	91	535218	47.622	ug/l	97
83) tert-Butylbenzene	13.441	119	514693	48.834	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	624730	50.888	ug/l	99
85) sec-Butylbenzene	13.617	105	724826	49.304	ug/l	100
86) p-Isopropyltoluene	13.735	119	588511	52.183	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	309522	48.786	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	298607	45.582	ug/l	99
89) n-Butylbenzene	14.059	91	474506	52.688	ug/l	98
90) Hexachloroethane	14.335	117	112719	49.214	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	303588	49.056	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	39238	41.595	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	97548	50.894	ug/l	99
94) Hexachlorobutadiene	15.506	225	67241	45.044	ug/l	97
95) Naphthalene	15.647	128	254679	43.513	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	100821	44.079	ug/l	97

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

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