

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081291.D
 Acq On : 01 Mar 2024 17:31
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 01 22:21:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/04/2024
 Supervised By : Mahesh Dadoda 03/04/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	230686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	419099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	382674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	147230	52.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.140%			
35) Dibromofluoromethane	8.165	113	127026	53.600	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.200%			
50) Toluene-d8	10.571	98	390829	46.432	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.860%			
62) 4-Bromofluorobenzene	12.853	95	164289	51.945	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	161778	54.228	ug/l	95
3) Chloromethane	2.365	50	151304	46.393	ug/l	98
4) Vinyl Chloride	2.512	62	170719	51.518	ug/l	93
5) Bromomethane	2.954	94	99520	42.283	ug/l	91
6) Chloroethane	3.118	64	118785	55.538	ug/l	99
7) Trichlorofluoromethane	3.495	101	280687	57.980	ug/l	96
8) Diethyl Ether	3.959	74	97942	55.336	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.371	101	159308	59.030	ug/l	95
10) Methyl Iodide	4.589	142	156796	52.050	ug/l	98
11) Tert butyl alcohol	5.518	59	154673	297.447	ug/l	100
12) 1,1-Dichloroethene	4.342	96	143190	54.888	ug/l	97
13) Acrolein	4.177	56	57440	206.093	ug/l	97
14) Allyl chloride	5.024	41	210253	54.318	ug/l #	89
15) Acrylonitrile	5.718	53	443145	326.305	ug/l	99
16) Acetone	4.424	43	337031	302.926	ug/l	98
17) Carbon Disulfide	4.712	76	319579	43.920	ug/l	98
18) Methyl Acetate	5.024	43	208154	76.694	ug/l	92
19) Methyl tert-butyl Ether	5.795	73	549044	61.449	ug/l	96
20) Methylene Chloride	5.277	84	171634	59.814	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	158772	54.550	ug/l	89
22) Diisopropyl ether	6.671	45	545628	62.140	ug/l #	94
23) Vinyl Acetate	6.600	43	2145543	301.169	ug/l #	95
24) 1,1-Dichloroethane	6.565	63	312829	61.616	ug/l	96
25) 2-Butanone	7.483	43	572371	318.442	ug/l	96
26) 2,2-Dichloropropane	7.489	77	276119	58.043	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	194361	57.475	ug/l	90
28) Bromochloromethane	7.818	49	135595	64.421	ug/l #	70
29) Tetrahydrofuran	7.841	42	384060	320.088	ug/l #	88
30) Chloroform	7.971	83	342956	63.542	ug/l	99
31) Cyclohexane	8.259	56	253415	51.905	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	299778	60.986	ug/l	93
36) 1,1-Dichloropropene	8.371	75	232051	57.154	ug/l	96
37) Ethyl Acetate	7.559	43	240452	65.620	ug/l	99
38) Carbon Tetrachloride	8.365	117	254887	62.051	ug/l	95
39) Methylcyclohexane	9.600	83	255016	53.881	ug/l	91
40) Benzene	8.606	78	706410	60.110	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	129162	61.936	ug/l	94
42) 1,2-Dichloroethane	8.671	62	257570	62.821	ug/l	98
43) Isopropyl Acetate	8.688	43	584402	91.190	ug/l #	91
44) Trichloroethene	9.353	130	174127	55.631	ug/l	96
45) 1,2-Dichloropropane	9.624	63	185379	63.061	ug/l	100
46) Dibromomethane	9.712	93	132233	61.737	ug/l	93
47) Bromodichloromethane	9.888	83	269063	66.327	ug/l #	99
48) Methyl methacrylate	9.683	41	187605	62.913	ug/l	90
49) 1,4-Dioxane	9.694	88	77481	1429.109	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	1260088	341.807	ug/l	96
52) Toluene	10.635	92	443876	59.662	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	279299	61.957	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	301430	61.889	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	186181	65.064	ug/l	97
56) Ethyl methacrylate	10.877	69	278551	63.694	ug/l	90
57) 1,3-Dichloropropane	11.165	76	315272	63.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	697315	317.786	ug/l #	89
59) 2-Hexanone	11.200	43	938898	321.243	ug/l	97
60) Dibromochloromethane	11.359	129	197941	65.115	ug/l	100
61) 1,2-Dibromoethane	11.471	107	186827	62.088	ug/l	98
64) Tetrachloroethene	11.106	164	154530	59.167	ug/l	92
65) Chlorobenzene	11.894	112	475602	57.424	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	185010	62.193	ug/l	97
67) Ethyl Benzene	11.965	91	875900	59.101	ug/l	98
68) m/p-Xylenes	12.077	106	662520	116.628	ug/l	97
69) o-Xylene	12.400	106	325660	57.834	ug/l	97
70) Styrene	12.412	104	539940	60.512	ug/l	97
71) Bromoform	12.582	173	125882	66.699	ug/l #	97
73) Isopropylbenzene	12.700	105	863011	53.525	ug/l	98
74) N-amyl acetate	12.494	43	377246	55.360	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	269962	59.545	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	242763m	57.980	ug/l	
77) Bromobenzene	12.982	156	192485	53.541	ug/l	79
78) n-propylbenzene	13.035	91	1030093	55.497	ug/l	97
79) 2-Chlorotoluene	13.129	91	612690	53.816	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	734334	56.173	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	88567	54.446	ug/l	88
82) 4-Chlorotoluene	13.224	91	600375	53.933	ug/l	95
83) tert-Butylbenzene	13.441	119	618985	54.759	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	738570	56.696	ug/l	97
85) sec-Butylbenzene	13.618	105	912975	58.097	ug/l	94
86) p-Isopropyltoluene	13.729	119	751434	57.569	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	369291	54.366	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	362904	54.371	ug/l	98
89) n-Butylbenzene	14.059	91	663577	58.354	ug/l	97
90) Hexachloroethane	14.335	117	135551	62.826	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	356576	54.427	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	54953	58.298	ug/l	82
93) 1,2,4-Trichlorobenzene	15.394	180	197799	54.117	ug/l	99
94) Hexachlorobutadiene	15.506	225	73349	53.809	ug/l	99
95) Naphthalene	15.641	128	728890	54.420	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	200581	55.319	ug/l	97

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

