

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079082.D
 Acq On : 29 Aug 2023 09:57
 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 08/30/2023
 Supervised By : Mahesh Dadoda 09/01/2023

Quant Time: Aug 29 23:28:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	190075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	320439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	298195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	133476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	132015	44.634	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.260%		
35) Dibromofluoromethane	8.171	113	108381	50.246	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.500%		
50) Toluene-d8	10.571	98	377897	47.183	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.360%		
62) 4-Bromofluorobenzene	12.853	95	132455	50.596	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	121067	45.904	ug/l	96
3) Chloromethane	2.365	50	146440	39.769	ug/l	99
4) Vinyl Chloride	2.518	62	146448	45.349	ug/l	98
5) Bromomethane	2.942	94	91943	49.589	ug/l	92
6) Chloroethane	3.112	64	98676	43.709	ug/l	99
7) Trichlorofluoromethane	3.495	101	189945	48.292	ug/l	99
8) Diethyl Ether	3.965	74	68899	46.206	ug/l #	54
9) 1,1,2-Trichlorotrifluo...	4.371	101	102295	48.832	ug/l	100
10) Methyl Iodide	4.589	142	133041	56.762	ug/l	98
11) Tert butyl alcohol	5.518	59	96702	194.841	ug/l	98
12) 1,1-Dichloroethene	4.342	96	100935	49.463	ug/l	85
13) Acrolein	4.177	56	61013	222.085	ug/l	97
14) Allyl chloride	5.030	41	179529	44.204	ug/l #	88
15) Acrylonitrile	5.718	53	299681	222.888	ug/l	99
16) Acetone	4.430	43	310759	254.636	ug/l	90
17) Carbon Disulfide	4.712	76	278041	48.676	ug/l	99
18) Methyl Acetate	5.024	43	217744	42.235	ug/l #	82
19) Methyl tert-butyl Ether	5.800	73	354293	48.199	ug/l	93
20) Methylene Chloride	5.277	84	122366	47.050	ug/l #	74
21) trans-1,2-Dichloroethene	5.789	96	113186	49.464	ug/l #	72
22) Diisopropyl ether	6.677	45	422941	49.225	ug/l #	90
23) Vinyl Acetate	6.606	43	1364181	241.137	ug/l #	84
24) 1,1-Dichloroethane	6.571	63	226145	48.180	ug/l	98
25) 2-Butanone	7.488	43	443007	226.412	ug/l #	78
26) 2,2-Dichloropropane	7.488	77	183882	48.466	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	135077	48.567	ug/l	87
28) Bromochloromethane	7.818	49	116278	46.700	ug/l #	74
29) Tetrahydrofuran	7.841	42	285231	220.240	ug/l #	71
30) Chloroform	7.965	83	231061	49.274	ug/l	91
31) Cyclohexane	8.259	56	180279	48.812	ug/l	85
32) 1,1,1-Trichloroethane	8.177	97	193803	48.470	ug/l #	92
36) 1,1-Dichloropropene	8.377	75	170012	52.396	ug/l	95
37) Ethyl Acetate	7.565	43	171096	47.129	ug/l #	88
38) Carbon Tetrachloride	8.365	117	168730	51.899	ug/l	98
39) Methylcyclohexane	9.606	83	158226	53.022	ug/l #	87
40) Benzene	8.612	78	506592	52.821	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	93108	47.090	ug/l #	85
42) 1,2-Dichloroethane	8.677	62	184244	51.421	ug/l	97
43) Isopropyl Acetate	8.694	43	296398	46.192	ug/l #	88
44) Trichloroethene	9.353	130	123969	54.400	ug/l	93
45) 1,2-Dichloropropane	9.629	63	130004	50.913	ug/l	99
46) Dibromomethane	9.718	93	92857	53.019	ug/l	96
47) Bromodichloromethane	9.888	83	180886	52.303	ug/l	96
48) Methyl methacrylate	9.688	41	140161	48.203	ug/l #	75
49) 1,4-Dioxane	9.700	88	47214	953.299	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	891762	234.320	ug/l #	86
52) Toluene	10.635	92	311551	52.910	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	194668	52.488	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	214401	53.079	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	124303	52.649	ug/l	96
56) Ethyl methacrylate	10.876	69	184785	50.490	ug/l #	72
57) 1,3-Dichloropropane	11.171	76	214524	50.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	356742	203.061	ug/l	90
59) 2-Hexanone	11.200	43	656412	238.133	ug/l	83
60) Dibromochloromethane	11.365	129	133018	53.539	ug/l	97
61) 1,2-Dibromoethane	11.471	107	123864	51.626	ug/l	98
64) Tetrachloroethene	11.112	164	98138	52.479	ug/l	91
65) Chlorobenzene	11.894	112	326344	51.413	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	124721	51.993	ug/l	98
67) Ethyl Benzene	11.970	91	575265	49.836	ug/l	99
68) m/p-Xylenes	12.076	106	444459	102.986	ug/l	98
69) o-Xylene	12.400	106	217415	51.787	ug/l	98
70) Styrene	12.418	104	360370	51.479	ug/l	98
71) Bromoform	12.582	173	92012	52.761	ug/l #	100
73) Isopropylbenzene	12.700	105	532681	47.862	ug/l	99
74) N-amyl acetate	12.500	43	246140	43.815	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	179191	44.591	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	143786m	44.708	ug/l	
77) Bromobenzene	12.982	156	130292	48.704	ug/l	100
78) n-propylbenzene	13.041	91	623780	48.334	ug/l	99
79) 2-Chlorotoluene	13.129	91	375730	46.933	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	442895	50.217	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	56722	45.054	ug/l #	75
82) 4-Chlorotoluene	13.223	91	373299	47.655	ug/l	97
83) tert-Butylbenzene	13.441	119	366556	49.465	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	436922	50.031	ug/l	97
85) sec-Butylbenzene	13.623	105	498428	48.874	ug/l	99
86) p-Isopropyltoluene	13.735	119	417180	51.201	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	232596	50.528	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	224858	48.803	ug/l	99
89) n-Butylbenzene	14.059	91	333638	49.757	ug/l	99
90) Hexachloroethane	14.335	117	78737	48.208	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	223463	48.814	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	31452	47.075	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	83711	51.582	ug/l	95
94) Hexachlorobutadiene	15.506	225	45152	54.272	ug/l	99
95) Naphthalene	15.647	128	238380	39.334	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	85558	48.135	ug/l	97

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

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