

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
 Data File : VN079765.D
 Acq On : 01 Nov 2023 11:38
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/02/2023
 Supervised By : Mahesh Dadoda 11/02/2023

Quant Time: Nov 02 05:30:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:25:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	305526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	544074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	480271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	202499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	25252	5.425	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.840%#		
35) Dibromofluoromethane	8.165	113	19851	5.155	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.320%#		
50) Toluene-d8	10.571	98	69191	4.881	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.760%#		
62) 4-Bromofluorobenzene	12.853	95	22115	4.704	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.400%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	18172	4.938	ug/l	98
3) Chloromethane	2.359	50	27236	5.177	ug/l	100
4) Vinyl Chloride	2.512	62	24196	5.023	ug/l #	88
5) Bromomethane	2.942	94	15249	5.210	ug/l	92
6) Chloroethane	3.112	64	16577	4.339	ug/l	91
7) Trichlorofluoromethane	3.489	101	30758	5.134	ug/l	96
8) Diethyl Ether	3.965	74	12257	5.391	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.371	101	17515	5.043	ug/l #	70
10) Methyl Iodide	4.589	142	19641	4.952	ug/l	91
11) Tert butyl alcohol	5.518	59	16936m	28.502	ug/l	
12) 1,1-Dichloroethene	4.336	96	16558	5.035	ug/l #	67
13) Acrolein	4.177	56	14847	29.085	ug/l	97
14) Allyl chloride	5.024	41	28964	5.750	ug/l #	78
15) Acrylonitrile	5.724	53	47028	25.397	ug/l	97
16) Acetone	4.436	43	40327	24.664	ug/l	93
17) Carbon Disulfide	4.712	76	49204	5.187	ug/l	96
18) Methyl Acetate	5.030	43	39512	5.051	ug/l #	86
19) Methyl tert-butyl Ether	5.800	73	56690	5.007	ug/l	99
20) Methylene Chloride	5.265	84	21633	5.244	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	19242	5.246	ug/l	90
22) Diisopropyl ether	6.671	45	56717	4.859	ug/l #	87
23) Vinyl Acetate	6.606	43	156891	24.367	ug/l #	89
24) 1,1-Dichloroethane	6.565	63	36002	5.074	ug/l	98
25) 2-Butanone	7.489	43	60954	25.458	ug/l #	81
26) 2,2-Dichloropropane	7.489	77	29840	5.086	ug/l	96
27) cis-1,2-Dichloroethene	7.489	96	21570	4.916	ug/l	84
28) Bromochloromethane	7.824	49	16881	4.882	ug/l	83
29) Tetrahydrofuran	7.847	42	38588	24.772	ug/l #	78
31) Cyclohexane	8.259	56	35743	5.811	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	31901	5.080	ug/l	95
36) 1,1-Dichloropropene	8.371	75	27175	4.943	ug/l	96
37) Ethyl Acetate	7.565	43	24504	4.859	ug/l #	93
38) Carbon Tetrachloride	8.365	117	27747	5.007	ug/l	99
40) Benzene	8.606	78	84251	5.116	ug/l	94
41) Methacrylonitrile	7.783	41	13602	5.080	ug/l #	83
42) 1,2-Dichloroethane	8.677	62	29272	5.089	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Isopropyl Acetate	8.694	43	45040	5.093	ug/l #	90
46) Dibromomethane	9.712	93	14620	5.088	ug/l	97
48) Methyl methacrylate	9.683	41	17931	4.629	ug/l	87
49) 1,4-Dioxane	9.706	88	6876	100.465	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	125962	25.301	ug/l	90
52) Toluene	10.635	92	49095	5.029	ug/l	98
56) Ethyl methacrylate	10.877	69	25190	4.497	ug/l #	73
57) 1,3-Dichloropropane	11.165	76	35028	5.061	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	66182	23.313	ug/l	92
59) 2-Hexanone	11.200	43	89640	23.536	ug/l	88
60) Dibromochloromethane	11.359	129	20312	4.832	ug/l	96
61) 1,2-Dibromoethane	11.477	107	19491	4.945	ug/l	98
64) Tetrachloroethene	11.106	164	15721	5.054	ug/l	95
65) Chlorobenzene	11.894	112	52508	5.040	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	18403	4.903	ug/l	99
68) m/p-Xylenes	12.076	106	67355	9.962	ug/l	99
69) o-Xylene	12.400	106	30818	4.733	ug/l	91
70) Styrene	12.412	104	48704	4.655	ug/l	98
71) Bromoform	12.582	173	13282	4.983	ug/l #	100
73) Isopropylbenzene	12.700	105	77996	5.075	ug/l	99
74) N-amyl acetate	12.500	43	34978	5.214	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	29374	5.391	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	24690m	5.200	ug/l	
77) Bromobenzene	12.982	156	19405	5.157	ug/l	98
78) n-propylbenzene	13.041	91	83996	4.773	ug/l	99
79) 2-Chlorotoluene	13.129	91	57490	5.113	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	58954	4.930	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	8321	4.762	ug/l	85
82) 4-Chlorotoluene	13.223	91	58869	5.269	ug/l	97
83) tert-Butylbenzene	13.441	119	48629	4.968	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	57774	4.911	ug/l	99
85) sec-Butylbenzene	13.618	105	68517	5.053	ug/l	97
86) p-Isopropyltoluene	13.735	119	54016	4.886	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	37363	5.338	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	36121	5.084	ug/l	91
89) n-Butylbenzene	14.059	91	44715	4.696	ug/l	97
90) Hexachloroethane	14.335	117	10635	4.857	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	33469	5.065	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4952	5.359	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	14812	4.714	ug/l	93
94) Hexachlorobutadiene	15.506	225	7924	5.564	ug/l	96
95) Naphthalene	15.647	128	51687	4.851	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	15835	5.142	ug/l	99

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

