

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070824\
 Data File : VN082817.D
 Acq On : 08 Jul 2024 12:23
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/08/2024
 Supervised By : Mahesh Dadoda 07/09/2024

Quant Time: Jul 08 13:22:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:14:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	142231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	244955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	216135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	95932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	11118	5.576	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.160%#		
35) Dibromofluoromethane	8.171	113	8202	5.218	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.440%#		
50) Toluene-d8	10.565	98	29821	5.137	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.280%#		
62) 4-Bromofluorobenzene	12.853	95	10998	5.274	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	10.540%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	9017	4.897	ug/l	98
3) Chloromethane	2.359	50	8711	4.988	ug/l	91
4) Vinyl Chloride	2.512	62	8992	4.903	ug/l	100
5) Bromomethane	2.936	94	7418	5.610	ug/l	93
6) Chloroethane	3.106	64	6325	5.040	ug/l	97
7) Trichlorofluoromethane	3.489	101	12758	4.836	ug/l	93
8) Diethyl Ether	3.965	74	4640	5.140	ug/l #	36
9) 1,1,2-Trichlorotrifluo...	4.377	101	7208	4.828	ug/l	95
10) Methyl Iodide	4.595	142	6768	4.422	ug/l	97
11) Tert butyl alcohol	5.536	59	9049	26.984	ug/l	95
12) 1,1-Dichloroethene	4.342	96	7248	4.992	ug/l	83
13) Acrolein	4.183	56	6569	27.132	ug/l	94
14) Allyl chloride	5.024	41	12233	5.404	ug/l	91
15) Acrylonitrile	5.730	53	19696	25.557	ug/l	100
16) Acetone	4.436	43	17733	25.262	ug/l	97
17) Carbon Disulfide	4.712	76	21552	4.967	ug/l #	93
18) Methyl Acetate	5.030	43	9697	5.221	ug/l #	89
19) Methyl tert-butyl Ether	5.800	73	25696	5.130	ug/l	96
20) Methylene Chloride	5.277	84	8568	5.054	ug/l	85
21) trans-1,2-Dichloroethene	5.794	96	8117	5.159	ug/l	87
22) Diisopropyl ether	6.677	45	23939	5.054	ug/l #	92
23) Vinyl Acetate	6.606	43	94377	25.092	ug/l	96
24) 1,1-Dichloroethane	6.565	63	15184	5.285	ug/l #	95
25) 2-Butanone	7.488	43	27023	25.495	ug/l #	87
26) 2,2-Dichloropropane	7.488	77	13502	5.055	ug/l	94
27) cis-1,2-Dichloroethene	7.483	96	9505	5.161	ug/l	88
28) Bromochloromethane	7.818	49	7632	6.193	ug/l #	83
29) Tetrahydrofuran	7.847	42	17012	25.495	ug/l #	86
30) Chloroform	7.965	83	16172	5.306	ug/l	98
31) Cyclohexane	8.253	56	15024	5.764	ug/l #	87
32) 1,1,1-Trichloroethane	8.171	97	14592	5.157	ug/l	89
36) 1,1-Dichloropropene	8.377	75	10545	4.866	ug/l	97
37) Ethyl Acetate	7.559	43	11283	5.114	ug/l #	93
38) Carbon Tetrachloride	8.365	117	13283	5.091	ug/l	97
39) Methylcyclohexane	9.600	83	10969	4.686	ug/l	97
40) Benzene	8.612	78	33629	5.045	ug/l	98

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Reviewed By : John Carlone 07/08/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	6493	5.463	ug/l	94
42) 1,2-Dichloroethane	8.677	62	12166	5.070	ug/l	99
43) Isopropyl Acetate	8.694	43	33155	5.465	ug/l #	88
44) Trichloroethene	9.353	130	8229	4.818	ug/l	90
45) 1,2-Dichloropropane	9.624	63	7784	5.002	ug/l	92
46) Dibromomethane	9.706	93	6380	5.262	ug/l	98
47) Bromodichloromethane	9.888	83	12619	5.037	ug/l	96
48) Methyl methacrylate	9.682	41	8837	5.108	ug/l	94
49) 1,4-Dioxane	9.700	88	3936	98.417	ug/l	93
51) 4-Methyl-2-Pentanone	10.447	43	55304	25.284	ug/l	96
52) Toluene	10.635	92	20547	4.934	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	12497	4.842	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	13394	4.903	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	8039	5.250	ug/l	98
56) Ethyl methacrylate	10.877	69	11051	4.639	ug/l	92
57) 1,3-Dichloropropane	11.165	76	13795	5.090	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.165	63	29855	24.423	ug/l	94
59) 2-Hexanone	11.200	43	40247	24.749	ug/l	96
60) Dibromochloromethane	11.359	129	9727	4.987	ug/l	99
61) 1,2-Dibromoethane	11.471	107	8375	5.150	ug/l	98
64) Tetrachloroethene	11.106	164	8303	5.149	ug/l	98
65) Chlorobenzene	11.894	112	23644	5.105	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	8452	5.131	ug/l	97
67) Ethyl Benzene	11.965	91	39052	5.017	ug/l	99
68) m/p-Xylenes	12.071	106	28447	9.680	ug/l	96
69) o-Xylene	12.400	106	13646	4.846	ug/l	96
70) Styrene	12.418	104	21825	4.691	ug/l	98
71) Bromoform	12.582	173	6499	5.016	ug/l #	92
73) Isopropylbenzene	12.694	105	33747	4.841	ug/l	97
74) N-amyl acetate	12.494	43	13668	4.740	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	11519	5.518	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	9008m	4.747	ug/l	
77) Bromobenzene	12.982	156	9187	5.109	ug/l	96
78) n-propylbenzene	13.035	91	39007	4.867	ug/l	97
79) 2-Chlorotoluene	13.123	91	25723	5.037	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	26600	4.721	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	4162	4.949	ug/l	95
82) 4-Chlorotoluene	13.223	91	25436	5.032	ug/l	99
83) tert-Butylbenzene	13.441	119	25306	5.066	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	27534	4.794	ug/l	96
85) sec-Butylbenzene	13.618	105	33213	4.920	ug/l	98
86) p-Isopropyltoluene	13.729	119	27368	4.859	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	16531	5.089	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	16562	5.080	ug/l	91
89) n-Butylbenzene	14.059	91	23569	4.885	ug/l	95
90) Hexachloroethane	14.335	117	6293	5.281	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	15890	5.038	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	2458	5.089	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	8218	4.837	ug/l	98
94) Hexachlorobutadiene	15.500	225	3626	4.814	ug/l	97
95) Naphthalene	15.641	128	26914	4.625	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	8502	4.867	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

