

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085252.D
 Acq On : 18 Dec 2024 15:28
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121824

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:44:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	118913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	201330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	186269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96041	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	100452	48.331	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.660%
35) Dibromofluoromethane	8.165	113	70873	50.071	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.140%
50) Toluene-d8	10.565	98	277928	53.722	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.440%
62) 4-Bromofluorobenzene	12.847	95	101431	54.892	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.780%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.124	85	100635	53.124	ug/l 96
3) Chloromethane	2.359	50	86111	47.690	ug/l 98
4) Vinyl Chloride	2.506	62	87289	51.596	ug/l 98
5) Bromomethane	2.947	94	52053	46.903	ug/l 94
6) Chloroethane	3.112	64	53840	51.794	ug/l 98
7) Trichlorofluoromethane	3.489	101	133014	48.688	ug/l 97
8) Diethyl Ether	3.959	74	43768	51.005	ug/l 97
9) 1,1,2-Trichlorotrifluo...	4.365	101	73015	49.831	ug/l 99
10) Methyl Iodide	4.583	142	84032	50.298	ug/l 98
11) Tert butyl alcohol	5.524	59	70102	242.811	ug/l 98
12) 1,1-Dichloroethene	4.341	96	68199	50.247	ug/l 90
13) Acrolein	4.177	56	80247	241.358	ug/l 95
14) Allyl chloride	5.024	41	117898	50.158	ug/l 96
15) Acrylonitrile	5.718	53	201679	256.471	ug/l 99
16) Acetone	4.424	43	180678	251.841	ug/l 93
17) Carbon Disulfide	4.706	76	213424	46.079	ug/l 96
18) Methyl Acetate	5.024	43	98726	48.608	ug/l 99
19) Methyl tert-butyl Ether	5.794	73	243754	52.397	ug/l 96
20) Methylene Chloride	5.265	84	78743	50.176	ug/l 98
21) trans-1,2-Dichloroethene	5.783	96	73555	49.155	ug/l 93
22) Diisopropyl ether	6.671	45	269936	53.833	ug/l 98
23) Vinyl Acetate	6.600	43	1052093	271.533	ug/l 99
24) 1,1-Dichloroethane	6.565	63	144468	49.737	ug/l 99
25) 2-Butanone	7.482	43	291500	265.320	ug/l 98
26) 2,2-Dichloropropane	7.488	77	136132	50.613	ug/l 100
27) cis-1,2-Dichloroethene	7.482	96	87010	49.941	ug/l 98
28) Bromochloromethane	7.812	49	68849	47.000	ug/l 99
29) Tetrahydrofuran	7.835	42	192364	271.615	ug/l 98
30) Chloroform	7.965	83	154690	49.869	ug/l 99
31) Cyclohexane	8.253	56	132384	49.233	ug/l 100
32) 1,1,1-Trichloroethane	8.171	97	139048	50.294	ug/l 100
36) 1,1-Dichloropropene	8.371	75	107913	54.752	ug/l 100
37) Ethyl Acetate	7.559	43	115253	50.687	ug/l 99
38) Carbon Tetrachloride	8.359	117	122741	51.507	ug/l 98
39) Methylcyclohexane	9.600	83	116519	56.812	ug/l 96
40) Benzene	8.606	78	323372	52.739	ug/l 100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	65451	56.481	ug/l	96
42) 1,2-Dichloroethane	8.671	62	121250	51.915	ug/l	98
43) Isopropyl Acetate	8.688	43	198852	47.821	ug/l	99
44) Trichloroethene	9.347	130	70123	51.368	ug/l	97
45) 1,2-Dichloropropane	9.618	63	80814	53.231	ug/l	94
46) Dibromomethane	9.706	93	58019	53.535	ug/l	97
47) Bromodichloromethane	9.888	83	123021	52.981	ug/l	99
48) Methyl methacrylate	9.676	41	96934	56.867	ug/l	99
49) 1,4-Dioxane	9.688	88	32106	1194.626	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	615797	281.847	ug/l	100
52) Toluene	10.629	92	206579	56.032	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	128008	56.558	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	132334	54.993	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	73831	53.481	ug/l	97
56) Ethyl methacrylate	10.870	69	128963	49.171	ug/l	98
57) 1,3-Dichloropropane	11.159	76	132887	54.692	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	278019	225.002	ug/l	99
59) 2-Hexanone	11.194	43	463104	297.348	ug/l	100
60) Dibromochloromethane	11.359	129	92524	56.551	ug/l	98
61) 1,2-Dibromoethane	11.470	107	75923	53.395	ug/l	99
64) Tetrachloroethene	11.106	164	63660	50.789	ug/l	98
65) Chlorobenzene	11.888	112	219513	52.426	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	78102	53.465	ug/l	98
67) Ethyl Benzene	11.965	91	402467	56.080	ug/l	99
68) m/p-Xylenes	12.070	106	307924	114.719	ug/l	98
69) o-Xylene	12.400	106	143866	57.023	ug/l	100
70) Styrene	12.412	104	252729	60.003	ug/l	98
71) Bromoform	12.576	173	63048	55.061	ug/l #	97
73) Isopropylbenzene	12.694	105	376220	54.303	ug/l	99
74) N-ethyl acetate	12.494	43	187408	54.159	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	118555	48.027	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	115241m	50.339	ug/l	
77) Bromobenzene	12.976	156	87301	47.993	ug/l	97
78) n-propylbenzene	13.035	91	466664	54.923	ug/l	100
79) 2-Chlorotoluene	13.123	91	281525	52.185	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	322948	55.885	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	44319	51.405	ug/l	97
82) 4-Chlorotoluene	13.223	91	286287	52.442	ug/l	100
83) tert-Butylbenzene	13.435	119	270071	55.108	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	328162	55.555	ug/l	99
85) sec-Butylbenzene	13.617	105	382146	55.931	ug/l	99
86) p-Isopropyltoluene	13.729	119	319260	48.357	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	164519	49.112	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	165750	47.820	ug/l	99
89) n-Butylbenzene	14.059	91	280501	55.826	ug/l	99
90) Hexachloroethane	14.335	117	62380	49.700	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	161855	51.948	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25480	53.825	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	75818	47.537	ug/l	97
94) Hexachlorobutadiene	15.500	225	37092	44.747	ug/l	94
95) Naphthalene	15.641	128	249960	47.325	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	74756	46.927	ug/l	99

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

