

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
 Data File : VN084214.D
 Acq On : 30 Sep 2024 12:49
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/01/2024
 Supervised By : Mahesh Dadoda 10/01/2024

Quant Time: Oct 01 06:48:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 06:46:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	175379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127701	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129300	49.725	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.440%
35) Dibromofluoromethane	8.165	113	98531	49.143	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.280%
50) Toluene-d8	10.565	98	377886	51.228	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.460%
62) 4-Bromofluorobenzene	12.847	95	137388	51.124	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.240%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	107530	51.835	ug/l	100
3) Chloromethane	2.359	50	117689	49.686	ug/l	100
4) Vinyl Chloride	2.518	62	117031	51.007	ug/l	100
5) Bromomethane	2.953	94	75848	50.118	ug/l	100
6) Chloroethane	3.118	64	73440	44.693	ug/l	100
7) Trichlorofluoromethane	3.495	101	185982	52.055	ug/l	100
8) Diethyl Ether	3.959	74	68385	51.608	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	103552	50.583	ug/l	100
10) Methyl Iodide	4.595	142	141310	53.600	ug/l	100
11) Tert butyl alcohol	5.524	59	107986	251.850	ug/l	100
12) 1,1-Dichloroethene	4.342	96	102934	52.128	ug/l	100
13) Acrolein	4.177	56	124940	253.821	ug/l	100
14) Allyl chloride	5.024	41	174518	50.889	ug/l	100
15) Acrylonitrile	5.718	53	277346	256.145	ug/l	100
16) Acetone	4.424	43	299515	268.132	ug/l	100
17) Carbon Disulfide	4.712	76	302183	48.335	ug/l	100
18) Methyl Acetate	5.018	43	124007	50.934	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	356478	53.487	ug/l	100
20) Methylene Chloride	5.277	84	114918	50.609	ug/l	100
21) trans-1,2-Dichloroethene	5.789	96	109048	52.711	ug/l	100
22) Diisopropyl ether	6.671	45	379516	53.501	ug/l	100
23) Vinyl Acetate	6.600	43	1444909	273.176	ug/l	100
24) 1,1-Dichloroethane	6.571	63	209222	52.742	ug/l	100
25) 2-Butanone	7.483	43	396369	260.524	ug/l	100
26) 2,2-Dichloropropane	7.488	77	189745	53.050	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	129873	51.951	ug/l	100
28) Bromochloromethane	7.812	49	86584	48.919	ug/l	100
29) Tetrahydrofuran	7.835	42	248328	264.488	ug/l	100
30) Chloroform	7.965	83	211178	51.249	ug/l	100
31) Cyclohexane	8.253	56	187282	48.624	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	193315	52.237	ug/l	100
36) 1,1-Dichloropropene	8.371	75	154855	53.172	ug/l	100
37) Ethyl Acetate	7.559	43	153024	51.216	ug/l	100
38) Carbon Tetrachloride	8.359	117	167086	52.301	ug/l	100
39) Methylcyclohexane	9.600	83	177433	54.741	ug/l	100
40) Benzene	8.606	78	472170	52.037	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	87365	53.861	ug/l	100
42) 1,2-Dichloroethane	8.671	62	160606	52.210	ug/l	100
43) Isopropyl Acetate	8.688	43	272992	46.667	ug/l	100
44) Trichloroethene	9.347	130	110119	51.961	ug/l	100
45) 1,2-Dichloropropane	9.618	63	114143	53.176	ug/l	100
46) Dibromomethane	9.706	93	79007	54.542	ug/l	100
47) Bromodichloromethane	9.888	83	169263	52.595	ug/l	100
48) Methyl methacrylate	9.677	41	127042	54.534	ug/l	100
49) 1,4-Dioxane	9.694	88	44512	1037.858	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	772927	271.750	ug/l	100
52) Toluene	10.629	92	295099	53.332	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	179453	54.703	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	193952	54.966	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	106288	53.583	ug/l	100
56) Ethyl methacrylate	10.871	69	183059	56.085	ug/l	100
57) 1,3-Dichloropropane	11.159	76	187372	52.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	426364	281.593	ug/l	100
59) 2-Hexanone	11.194	43	588361	276.767	ug/l	100
60) Dibromochloromethane	11.359	129	126992	54.184	ug/l	100
61) 1,2-Dibromoethane	11.465	107	108817	52.794	ug/l	100
64) Tetrachloroethene	11.100	164	94966	51.486	ug/l	100
65) Chlorobenzene	11.888	112	309849	52.770	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	106981	52.897	ug/l	100
67) Ethyl Benzene	11.959	91	561770	54.100	ug/l	100
68) m/p-Xylenes	12.071	106	427131	111.201	ug/l	100
69) o-Xylene	12.394	106	204854	56.370	ug/l	100
70) Styrene	12.412	104	347383	56.434	ug/l	100
71) Bromoform	12.576	173	83487	56.070	ug/l #	100
73) Isopropylbenzene	12.694	105	527625	54.145	ug/l	100
74) N-amyl acetate	12.494	43	237131	53.738	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	151079	51.560	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	143676m	56.449	ug/l	
77) Bromobenzene	12.982	156	120918	51.442	ug/l	100
78) n-propylbenzene	13.035	91	626503	55.490	ug/l	100
79) 2-Chlorotoluene	13.123	91	384795	53.411	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	445807	56.084	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	57572	52.943	ug/l	100
82) 4-Chlorotoluene	13.217	91	386854	53.341	ug/l	100
83) tert-Butylbenzene	13.435	119	386532	54.711	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	449720	56.161	ug/l	100
85) sec-Butylbenzene	13.617	105	529076	56.119	ug/l	100
86) p-Isopropyltoluene	13.729	119	448148	57.485	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	228219	51.755	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	227835	51.163	ug/l	100
89) n-Butylbenzene	14.053	91	394831	55.854	ug/l	100
90) Hexachloroethane	14.329	117	81626	51.582	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	218378	50.506	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30379	50.241	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	119164	55.953	ug/l	100
94) Hexachlorobutadiene	15.500	225	50680	47.718	ug/l	100
95) Naphthalene	15.635	128	393177	55.688	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	114483	53.701	ug/l	100

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

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