

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101124\
 Data File : VN084391.D
 Acq On : 11 Oct 2024 09:47
 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 10/14/2024
 Supervised By : Mahesh Dadoda 10/14/2024

Quant Time: Oct 14 02:02:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	153869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124509	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120541	52.837	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.680%	
35) Dibromofluoromethane	8.165	113	94739	52.956	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.920%	
50) Toluene-d8	10.565	98	342281	52.003	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.000%	
62) 4-Bromofluorobenzene	12.847	95	128313	53.511	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.020%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	81482	44.769	ug/l	92
3) Chloromethane	2.359	50	96980	46.666	ug/l	98
4) Vinyl Chloride	2.512	62	94169	46.780	ug/l	99
5) Bromomethane	2.947	94	60529	45.586	ug/l	98
6) Chloroethane	3.118	64	60573	42.016	ug/l	90
7) Trichlorofluoromethane	3.495	101	154202	49.193	ug/l	98
8) Diethyl Ether	3.959	74	60899	52.383	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	89119	49.618	ug/l	98
10) Methyl Iodide	4.589	142	117782	50.921	ug/l	99
11) Tert butyl alcohol	5.518	59	92907	246.973	ug/l	98
12) 1,1-Dichloroethene	4.336	96	84212	48.608	ug/l	99
13) Acrolein	4.177	56	118460	274.299	ug/l	99
14) Allyl chloride	5.018	41	137615	45.738	ug/l	98
15) Acrylonitrile	5.718	53	269074	283.245	ug/l	100
16) Acetone	4.424	43	270766	276.281	ug/l	97
17) Carbon Disulfide	4.712	76	224236	40.881	ug/l	99
18) Methyl Acetate	5.024	43	132578	62.066	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	333076	56.962	ug/l	100
20) Methylene Chloride	5.277	84	107004	53.711	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	91241	50.269	ug/l	93
22) Diisopropyl ether	6.671	45	349750	56.198	ug/l	99
23) Vinyl Acetate	6.600	43	1443170	312.646	ug/l	100
24) 1,1-Dichloroethane	6.565	63	189429	54.428	ug/l	100
25) 2-Butanone	7.482	43	368868	276.341	ug/l	96
26) 2,2-Dichloropropane	7.488	77	159349	50.779	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	118251	53.915	ug/l	98
28) Bromochloromethane	7.812	49	81888	52.734	ug/l	97
29) Tetrahydrofuran	7.835	42	231480	281.009	ug/l	97
30) Chloroform	7.965	83	199248	55.114	ug/l	97
31) Cyclohexane	8.259	56	142259	42.098	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	168036	51.754	ug/l	100
36) 1,1-Dichloropropene	8.371	75	126586	48.713	ug/l	99
37) Ethyl Acetate	7.559	43	144863	54.338	ug/l	99
38) Carbon Tetrachloride	8.359	117	143070	50.191	ug/l	96
39) Methylcyclohexane	9.600	83	133692	46.226	ug/l	98
40) Benzene	8.606	78	420946	51.992	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	82675	57.123	ug/l	99
42) 1,2-Dichloroethane	8.665	62	147907	53.887	ug/l	99
43) Isopropyl Acetate	8.688	43	246067	47.123	ug/l	99
44) Trichloroethene	9.353	130	95812	50.668	ug/l	97
45) 1,2-Dichloropropane	9.618	63	106517	55.614	ug/l	100
46) Dibromomethane	9.706	93	76771	59.397	ug/l	99
47) Bromodichloromethane	9.888	83	162298	56.519	ug/l	100
48) Methyl methacrylate	9.676	41	115561	55.594	ug/l	99
49) 1,4-Dioxane	9.694	88	41968	1096.681	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	730986	288.032	ug/l	99
52) Toluene	10.629	92	258219	52.301	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	166894	57.016	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	175243	55.660	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	102750	58.053	ug/l	97
56) Ethyl methacrylate	10.871	69	169008	58.032	ug/l	99
57) 1,3-Dichloropropane	11.159	76	177085	55.993	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	383874	284.139	ug/l	99
59) 2-Hexanone	11.194	43	549591	289.742	ug/l	100
60) Dibromochloromethane	11.359	129	122895	58.767	ug/l	100
61) 1,2-Dibromoethane	11.470	107	104214	56.666	ug/l	100
64) Tetrachloroethene	11.100	164	85138	49.690	ug/l	99
65) Chlorobenzene	11.888	112	283492	51.977	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	104248	55.491	ug/l	98
67) Ethyl Benzene	11.965	91	497714	51.600	ug/l	100
68) m/p-Xylenes	12.070	106	381481	106.917	ug/l	100
69) o-Xylene	12.394	106	183214	54.274	ug/l	99
70) Styrene	12.412	104	323170	56.519	ug/l	98
71) Bromoform	12.576	173	81366	58.828	ug/l #	98
73) Isopropylbenzene	12.694	105	450865	47.454	ug/l	99
74) N-amyl acetate	12.494	43	216600	50.343	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	148939	52.133	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	123968m	48.770	ug/l	
77) Bromobenzene	12.982	156	115450	50.375	ug/l	98
78) n-propylbenzene	13.035	91	551283	50.080	ug/l	99
79) 2-Chlorotoluene	13.123	91	348274	49.581	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	397771	51.324	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	55127	51.995	ug/l	95
82) 4-Chlorotoluene	13.217	91	354959	50.198	ug/l	100
83) tert-Butylbenzene	13.435	119	319783	46.423	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	412547	52.840	ug/l	98
85) sec-Butylbenzene	13.612	105	462688	50.335	ug/l	100
86) p-Isopropyltoluene	13.729	119	393216	51.732	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	217616	50.616	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	217808	50.166	ug/l	99
89) n-Butylbenzene	14.053	91	344017	49.913	ug/l	99
90) Hexachloroethane	14.329	117	72963	47.290	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	214284	50.829	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31112	52.772	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	110846	53.381	ug/l	98
94) Hexachlorobutadiene	15.500	225	48539	46.873	ug/l	97
95) Naphthalene	15.641	128	364636	52.969	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	108480	52.190	ug/l	100

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

