

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085246.D
 Acq On : 18 Dec 2024 12:20
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 05:17:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 05:12:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	130776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	226121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	202175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98582	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106671	46.668	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.340%
35) Dibromofluoromethane	8.165	113	76633	48.205	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.400%
50) Toluene-d8	10.565	98	290413	49.981	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.847	95	105807	50.983	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.960%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	112357	53.932	ug/l	100
3) Chloromethane	2.359	50	98202	49.453	ug/l	100
4) Vinyl Chloride	2.512	62	95687	51.429	ug/l	100
5) Bromomethane	2.948	94	61747	50.591	ug/l	100
6) Chloroethane	3.112	64	59950	52.450	ug/l	100
7) Trichlorofluoromethane	3.495	101	159703	53.154	ug/l	100
8) Diethyl Ether	3.953	74	50744	53.771	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	81240	50.415	ug/l	100
10) Methyl Iodide	4.589	142	96420	52.478	ug/l	100
11) Tert butyl alcohol	5.518	59	75947	239.194	ug/l	100
12) 1,1-Dichloroethene	4.336	96	77860	52.162	ug/l	100
13) Acrolein	4.177	56	87320	238.807	ug/l	100
14) Allyl chloride	5.018	41	131650	50.809	ug/l	100
15) Acrylonitrile	5.712	53	219108	253.360	ug/l	100
16) Acetone	4.424	43	190678	241.671	ug/l	100
17) Carbon Disulfide	4.712	76	238489	46.819	ug/l	100
18) Methyl Acetate	5.018	43	108674	48.652	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	272038	53.173	ug/l	100
20) Methylene Chloride	5.277	84	86992	50.403	ug/l	100
21) trans-1,2-Dichloroethene	5.777	96	80363	48.833	ug/l	100
22) Diisopropyl ether	6.671	45	299652	54.338	ug/l	100
23) Vinyl Acetate	6.600	43	1169229	274.391	ug/l	100
24) 1,1-Dichloroethane	6.565	63	161717	50.625	ug/l	100
25) 2-Butanone	7.483	43	305214	252.603	ug/l	100
26) 2,2-Dichloropropane	7.489	77	151231	51.127	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	97457	50.863	ug/l	100
28) Bromochloromethane	7.812	49	80429	49.924	ug/l	100
29) Tetrahydrofuran	7.836	42	206011	264.498	ug/l	100
30) Chloroform	7.965	83	167564	49.119	ug/l	100
31) Cyclohexane	8.253	56	144815	48.970	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	154270	50.738	ug/l	100
36) 1,1-Dichloropropene	8.365	75	117851	53.239	ug/l	100
37) Ethyl Acetate	7.559	43	128415	50.284	ug/l	100
38) Carbon Tetrachloride	8.359	117	134463	50.239	ug/l	100
39) Methylcyclohexane	9.600	83	127487	55.345	ug/l	100
40) Benzene	8.600	78	356428	51.757	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	67891	52.164	ug/l	100
42) 1,2-Dichloroethane	8.665	62	133901	51.047	ug/l	100
43) Isopropyl Acetate	8.683	43	222131	47.563	ug/l	100
44) Trichloroethene	9.347	130	77472	50.530	ug/l	100
45) 1,2-Dichloropropane	9.618	63	88662	51.998	ug/l	100
46) Dibromomethane	9.706	93	62433	51.292	ug/l	100
47) Bromodichloromethane	9.888	83	136033	52.162	ug/l	100
48) Methyl methacrylate	9.677	41	104091	54.371	ug/l	100
49) 1,4-Dioxane	9.688	88	32375	1072.564	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	659177	268.625	ug/l	100
52) Toluene	10.630	92	222639	53.767	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	139692	54.953	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	146338	54.146	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	79593	51.334	ug/l	100
56) Ethyl methacrylate	10.871	69	143324	48.679	ug/l	100
57) 1,3-Dichloropropane	11.159	76	143772	52.685	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	330686	237.370	ug/l	100
59) 2-Hexanone	11.194	43	481438	275.229	ug/l	100
60) Dibromochloromethane	11.359	129	98456	53.579	ug/l	100
61) 1,2-Dibromoethane	11.465	107	83433	52.243	ug/l	100
64) Tetrachloroethene	11.100	164	68884	50.633	ug/l	100
65) Chlorobenzene	11.888	112	230185	50.650	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	81411	51.346	ug/l	100
67) Ethyl Benzene	11.959	91	432126	55.475	ug/l	100
68) m/p-Xylenes	12.071	106	326353	112.019	ug/l	100
69) o-Xylene	12.394	106	153932	56.212	ug/l	100
70) Styrene	12.412	104	264043	57.757	ug/l	100
71) Bromoform	12.576	173	65175	52.440	ug/l #	100
73) Isopropylbenzene	12.694	105	392326	55.168	ug/l	100
74) N-amyl acetate	12.494	43	201427	56.710	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	124004	48.940	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	104619m	48.643	ug/l	
77) Bromobenzene	12.976	156	92703	49.649	ug/l	100
78) n-propylbenzene	13.035	91	482260	55.295	ug/l	100
79) 2-Chlorotoluene	13.123	91	296469	53.539	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	339950	57.311	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	45606	51.534	ug/l	100
82) 4-Chlorotoluene	13.218	91	302755	54.029	ug/l	100
83) tert-Butylbenzene	13.435	119	278102	55.284	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	342945	56.562	ug/l	100
85) sec-Butylbenzene	13.612	105	403570	57.544	ug/l	100
86) p-Isopropyltoluene	13.729	119	333452	49.170	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	174288	50.687	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	173955	48.893	ug/l	100
89) n-Butylbenzene	14.053	91	293263	56.861	ug/l	100
90) Hexachloroethane	14.335	117	65949	51.190	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	168371	52.646	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26335	54.197	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	84825	51.814	ug/l	100
94) Hexachlorobutadiene	15.494	225	38359	45.082	ug/l	100
95) Naphthalene	15.641	128	286912	52.921	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	82767	50.616	ug/l	100

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

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