

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072324\
 Data File : VN083010.D
 Acq On : 23 Jul 2024 12:45
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2024
 Supervised By : Mahesh Dadoda 07/24/2024

Quant Time: Jul 24 02:27:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	85848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	138413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	132251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	65602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	51689	42.952	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.900%		
35) Dibromofluoromethane	8.171	113	40913	46.065	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.120%		
50) Toluene-d8	10.570	98	151302	46.123	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.240%		
62) 4-Bromofluorobenzene	12.853	95	51075	43.344	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	86.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	50791	45.698	ug/l	93
3) Chloromethane	2.359	50	41997	39.844	ug/l	97
4) Vinyl Chloride	2.512	62	52087	47.053	ug/l	98
5) Bromomethane	2.947	94	35608	44.613	ug/l	98
6) Chloroethane	3.112	64	41904	55.316	ug/l	99
7) Trichlorofluoromethane	3.489	101	79850	50.152	ug/l	92
8) Diethyl Ether	3.959	74	26098	47.895	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.365	101	48123	53.403	ug/l	99
10) Methyl Iodide	4.589	142	42673	46.189	ug/l	98
11) Tert butyl alcohol	5.524	59	43153	213.199	ug/l	99
12) 1,1-Dichloroethene	4.336	96	40612	46.341	ug/l	88
13) Acrolein	4.183	56	6516	44.590	ug/l	95
14) Allyl chloride	5.024	41	59133	43.276	ug/l #	93
15) Acrylonitrile	5.724	53	122288	262.892	ug/l	99
16) Acetone	4.430	43	115953	273.674	ug/l	91
17) Carbon Disulfide	4.712	76	103419	39.492	ug/l	99
18) Methyl Acetate	5.024	43	72507	64.674	ug/l #	88
19) Methyl tert-butyl Ether	5.794	73	152498	50.445	ug/l	93
20) Methylene Chloride	5.277	84	50742	49.590	ug/l	87
21) trans-1,2-Dichloroethene	5.783	96	44801	47.180	ug/l	86
22) Diisopropyl ether	6.677	45	151798	53.101	ug/l #	89
23) Vinyl Acetate	6.606	43	566151	249.385	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	90283	52.066	ug/l	97
25) 2-Butanone	7.482	43	170543	266.577	ug/l	91
26) 2,2-Dichloropropane	7.488	77	86433	53.610	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	56814	51.105	ug/l	88
28) Bromochloromethane	7.818	49	33512	45.050	ug/l #	82
29) Tetrahydrofuran	7.841	42	105444	261.805	ug/l #	84
30) Chloroform	7.965	83	99016	53.826	ug/l	100
31) Cyclohexane	8.259	56	68875	43.777	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	88272	51.683	ug/l	95
36) 1,1-Dichloropropene	8.377	75	64387	52.580	ug/l	97
37) Ethyl Acetate	7.559	43	65844	52.815	ug/l #	94
38) Carbon Tetrachloride	8.359	117	78501	53.243	ug/l	99
39) Methylcyclohexane	9.600	83	62866	47.527	ug/l	90
40) Benzene	8.606	78	205506	54.558	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	35311	52.574	ug/l #	89
42) 1,2-Dichloroethane	8.677	62	76926	56.729	ug/l	96
43) Isopropyl Acetate	8.694	43	115436	49.050	ug/l #	92
44) Trichloroethene	9.353	130	48899	50.671	ug/l	95
45) 1,2-Dichloropropane	9.624	63	50921	57.905	ug/l	98
46) Dibromomethane	9.712	93	38618	56.369	ug/l	99
47) Bromodichloromethane	9.888	83	81628	57.665	ug/l	99
48) Methyl methacrylate	9.682	41	52854	54.068	ug/l #	85
49) 1,4-Dioxane	9.694	88	21868	1029.111	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	364228	294.695	ug/l	94
52) Toluene	10.629	92	129421	55.003	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	81014	55.555	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	82505	53.451	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	52308	60.455	ug/l	98
56) Ethyl methacrylate	10.876	69	79407	58.989	ug/l	89
57) 1,3-Dichloropropane	11.165	76	87935	57.415	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	216634	313.629	ug/l	96
59) 2-Hexanone	11.194	43	282714	307.663	ug/l	95
60) Dibromochloromethane	11.359	129	64092	58.159	ug/l	99
61) 1,2-Dibromoethane	11.470	107	51504	56.053	ug/l	98
64) Tetrachloroethene	11.106	164	46325	46.950	ug/l	96
65) Chlorobenzene	11.894	112	146145	51.570	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	55796	55.352	ug/l	100
67) Ethyl Benzene	11.965	91	244571	51.348	ug/l	98
68) m/p-Xylenes	12.070	106	195391	108.659	ug/l	97
69) o-Xylene	12.400	106	91431	53.065	ug/l	96
70) Styrene	12.412	104	162483	57.073	ug/l	97
71) Bromoform	12.582	173	43159	54.442	ug/l #	98
73) Isopropylbenzene	12.700	105	234517	49.197	ug/l	98
74) N-amyl acetate	12.494	43	101724	51.590	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	76358	53.485	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	68163m	60.267	ug/l	
77) Bromobenzene	12.982	156	59413	48.312	ug/l	94
78) n-propylbenzene	13.035	91	286090	52.198	ug/l	99
79) 2-Chlorotoluene	13.129	91	170942	48.950	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	195817	50.819	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	29416	51.151	ug/l	99
82) 4-Chlorotoluene	13.223	91	171280	49.552	ug/l	95
83) tert-Butylbenzene	13.441	119	165423	48.425	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	201728	51.365	ug/l	99
85) sec-Butylbenzene	13.617	105	238635	51.695	ug/l	100
86) p-Isopropyltoluene	13.729	119	195276	50.702	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	110472	49.727	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	111808	48.665	ug/l	98
89) n-Butylbenzene	14.059	91	168049	50.930	ug/l	98
90) Hexachloroethane	14.335	117	41022	50.337	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	108187	50.156	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	15705	47.550	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	53300	45.874	ug/l	99
94) Hexachlorobutadiene	15.505	225	22879	44.419	ug/l	100
95) Naphthalene	15.641	128	181312	45.562	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	55589	46.532	ug/l	98

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

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