

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050324\
 Data File : VN081983.D
 Acq On : 03 May 2024 11:07
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2024
 Supervised By : Semsettin Yesilyurt 05/06/2024

Quant Time: May 06 01:51:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	182989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	362356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129070	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	162536	52.628	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.260%
35) Dibromofluoromethane	8.165	113	118237	54.195	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.400%
50) Toluene-d8	10.565	98	469947	54.846	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.700%
62) 4-Bromofluorobenzene	12.847	95	155418	45.885	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	91.760%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	110981	43.205	ug/l	97
3) Chloromethane	2.359	50	115362	43.049	ug/l	97
4) Vinyl Chloride	2.512	62	112785	46.495	ug/l	93
5) Bromomethane	2.947	94	57124	55.963	ug/l	95
6) Chloroethane	3.118	64	66789	54.476	ug/l	99
7) Trichlorofluoromethane	3.500	101	164005	43.707	ug/l	94
8) Diethyl Ether	3.965	74	85695	53.761	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	108774	49.929	ug/l	94
10) Methyl Iodide	4.588	142	102602	53.771	ug/l	95
11) Tert butyl alcohol	5.524	59	128795	229.402	ug/l	97
12) 1,1-Dichloroethene	4.336	96	108328	48.877	ug/l	86
13) Acrolein	4.183	56	96118	218.535	ug/l	99
14) Allyl chloride	5.024	41	196681	41.953	ug/l	91
15) Acrylonitrile	5.718	53	350338	259.866	ug/l	99
16) Acetone	4.424	43	231996	254.120	ug/l	91
17) Carbon Disulfide	4.712	76	277164	41.607	ug/l	98
18) Methyl Acetate	5.024	43	171291	54.757	ug/l	93
19) Methyl tert-butyl Ether	5.800	73	426007	50.939	ug/l	97
20) Methylene Chloride	5.277	84	130440	49.284	ug/l	89
21) trans-1,2-Dichloroethene	5.788	96	114205	47.260	ug/l #	81
22) Diisopropyl ether	6.671	45	471343	51.958	ug/l #	94
23) Vinyl Acetate	6.606	43	1895069	257.101	ug/l #	93
24) 1,1-Dichloroethane	6.571	63	244341	51.748	ug/l	97
25) 2-Butanone	7.482	43	446962	254.987	ug/l	89
26) 2,2-Dichloropropane	7.488	77	198758	45.760	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	144195	51.065	ug/l	89
28) Bromochloromethane	7.812	49	119012	53.032	ug/l #	78
29) Tetrahydrofuran	7.841	42	313607	249.486	ug/l	90
30) Chloroform	7.965	83	227108	48.525	ug/l	93
31) Cyclohexane	8.259	56	211495	45.459	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	185768	44.508	ug/l	94
36) 1,1-Dichloropropene	8.377	75	161419	45.479	ug/l	95
37) Ethyl Acetate	7.565	43	187390	48.830	ug/l	100
38) Carbon Tetrachloride	8.365	117	146367	42.193	ug/l	95
39) Methylcyclohexane	9.600	83	197634	45.848	ug/l	93
40) Benzene	8.606	78	528337	49.586	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	113122	46.197	ug/l	89
42) 1,2-Dichloroethane	8.671	62	177269	44.804	ug/l	100
43) Isopropyl Acetate	8.688	43	347057	48.097	ug/l	94
44) Trichloroethene	9.347	130	111735	45.484	ug/l	95
45) 1,2-Dichloropropane	9.623	63	141417	50.714	ug/l	97
46) Dibromomethane	9.706	93	89018	46.187	ug/l	89
47) Bromodichloromethane	9.888	83	183283	45.092	ug/l	97
48) Methyl methacrylate	9.682	41	159817	46.395	ug/l	88
49) 1,4-Dioxane	9.706	88	50200	958.816	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1006786	247.850	ug/l	95
52) Toluene	10.629	92	311416	48.805	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	204485	46.235	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	220629	48.402	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	123578	49.245	ug/l	98
56) Ethyl methacrylate	10.876	69	229573	48.044	ug/l	87
57) 1,3-Dichloropropane	11.165	76	219574	49.216	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	563321	258.780	ug/l	92
59) 2-Hexanone	11.194	43	738212	244.198	ug/l	97
60) Dibromochloromethane	11.359	129	124724	46.925	ug/l	97
61) 1,2-Dibromoethane	11.470	107	115597	48.170	ug/l	96
64) Tetrachloroethene	11.106	164	94383	42.182	ug/l	89
65) Chlorobenzene	11.894	112	327205	48.636	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.964	131	107533	49.181	ug/l	97
67) Ethyl Benzene	11.964	91	599893	47.947	ug/l	97
68) m/p-Xylenes	12.070	106	433080	97.042	ug/l	97
69) o-Xylene	12.400	106	213401	48.978	ug/l	94
70) Styrene	12.412	104	365838	48.537	ug/l	96
71) Bromoform	12.582	173	73656	42.850	ug/l #	99
73) Isopropylbenzene	12.694	105	543588	47.369	ug/l	99
74) N-amyl acetate	12.494	43	303993	47.581	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.935	83	176257	51.147	ug/l	95
76) 1,2,3-Trichloropropane	12.994	75	155694m	46.524	ug/l	
77) Bromobenzene	12.976	156	110553	46.038	ug/l	70
78) n-propylbenzene	13.035	91	663819	47.623	ug/l	95
79) 2-Chlorotoluene	13.123	91	396739	44.736	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	440767	45.390	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	83128	50.901	ug/l #	89
82) 4-Chlorotoluene	13.223	91	396495	46.051	ug/l	94
83) tert-Butylbenzene	13.441	119	366871	45.367	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	441596	45.537	ug/l	99
85) sec-Butylbenzene	13.617	105	547497	48.064	ug/l	96
86) p-Isopropyltoluene	13.729	119	433671	47.415	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	209358	46.724	ug/l	97
88) 1,4-Dichlorobenzene	13.811	146	217001	49.180	ug/l	97
89) n-Butylbenzene	14.058	91	425945	50.032	ug/l	98
90) Hexachloroethane	14.335	117	83264	46.278	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	211893	49.330	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	36278	43.241	ug/l	84
93) 1,2,4-Trichlorobenzene	15.394	180	120344	50.079	ug/l	98
94) Hexachlorobutadiene	15.500	225	39715	44.838	ug/l	97
95) Naphthalene	15.641	128	474366	52.240	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	119058	51.603	ug/l	97

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

