

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011723\
 Data File : VN076270.D
 Acq On : 17 Jan 2023 10:10
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050

Quant Time: Jan 18 01:18:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	354839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	565404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	511769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	249895	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	192737	48.511	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.020%
35) Dibromofluoromethane	8.171	113	173385	49.023	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.040%
50) Toluene-d8	10.571	98	654995	50.145	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.300%
62) 4-Bromofluorobenzene	12.853	95	221069	51.844	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.680%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	178699	49.144	ug/l	97
3) Chloromethane	2.377	50	166175	44.138	ug/l	90
4) Vinyl Chloride	2.530	62	205236	44.458	ug/l	97
5) Bromomethane	2.953	94	176380	46.656	ug/l	99
6) Chloroethane	3.124	64	155793	45.006	ug/l	100
7) Trichlorofluoromethane	3.512	101	301011	47.395	ug/l	99
8) Diethyl Ether	3.971	74	107299	50.370	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	171892	47.809	ug/l	98
10) Methyl Iodide	4.606	142	264773	48.212	ug/l	98
11) Tert butyl alcohol	5.530	59	114316	215.113	ug/l	100
12) 1,1-Dichloroethene	4.353	96	161323	47.466	ug/l	88
13) Acrolein	4.189	56	161457	254.049	ug/l	99
14) Allyl chloride	5.036	41	187045	47.225	ug/l	99
15) Acrylonitrile	5.736	53	353249	233.589	ug/l	100
16) Acetone	4.442	43	394493	309.752	ug/l	98
17) Carbon Disulfide	4.730	76	406440	48.028	ug/l	98
18) Methyl Acetate	5.036	43	193128	44.743	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	550122	49.719	ug/l	100
20) Methylene Chloride	5.289	84	181498	48.136	ug/l	99
21) trans-1,2-Dichloroethene	5.800	96	171970	46.706	ug/l	96
22) Diisopropyl ether	6.677	45	465898	49.880	ug/l	96
23) Vinyl Acetate	6.612	43	1552944	257.257	ug/l	100
24) 1,1-Dichloroethane	6.577	63	298236	47.902	ug/l	97
25) 2-Butanone	7.488	43	491042	252.432	ug/l	96
26) 2,2-Dichloropropane	7.500	77	268705	51.207	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	208183	48.478	ug/l	99
28) Bromochloromethane	7.818	49	130794	51.829	ug/l	99
29) Tetrahydrofuran	7.841	42	285764	238.023	ug/l	100
30) Chloroform	7.971	83	332733	48.299	ug/l	98
31) Cyclohexane	8.265	56	273282	44.776	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	309776	49.251	ug/l	95
36) 1,1-Dichloropropene	8.377	75	245699	48.888	ug/l	99
37) Ethyl Acetate	7.565	43	185105	45.922	ug/l	97
38) Carbon Tetrachloride	8.371	117	274064	48.901	ug/l	98
39) Methylcyclohexane	9.606	83	314285	51.209	ug/l	99
40) Benzene	8.612	78	723630	48.153	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	101437	48.059	ug/l	97
42) 1,2-Dichloroethane	8.677	62	246326	47.907	ug/l	98
43) Isopropyl Acetate	8.694	43	321329	48.999	ug/l	99
44) Trichloroethene	9.353	130	198424	46.684	ug/l	98
45) 1,2-Dichloropropane	9.624	63	175476	48.771	ug/l	97
46) Dibromomethane	9.712	93	129862	47.805	ug/l	99
47) Bromodichloromethane	9.888	83	268380	50.938	ug/l	97
48) Methyl methacrylate	9.682	41	150735	48.552	ug/l	100
49) 1,4-Dioxane	9.694	88	59861	913.789	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	937130	243.429	ug/l	100
52) Toluene	10.629	92	485631	48.323	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	273123	54.379	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	298348	51.632	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	185093	48.185	ug/l	97
56) Ethyl methacrylate	10.876	69	263308	53.094	ug/l	98
57) 1,3-Dichloropropane	11.165	76	307249	49.219	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	430623	257.211	ug/l	99
59) 2-Hexanone	11.194	43	720439	258.249	ug/l	100
60) Dibromochloromethane	11.365	129	214872	53.138	ug/l	100
61) 1,2-Dibromoethane	11.470	107	191736	50.006	ug/l	98
64) Tetrachloroethene	11.106	164	192473	41.704	ug/l	96
65) Chlorobenzene	11.894	112	522654	48.313	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	199630	49.597	ug/l	99
67) Ethyl Benzene	11.965	91	936123	50.560	ug/l	99
68) m/p-Xylenes	12.070	106	749584	100.964	ug/l	99
69) o-Xylene	12.400	106	360009	49.378	ug/l	98
70) Styrene	12.412	104	593782	51.006	ug/l	99
71) Bromoform	12.582	173	153199	52.704	ug/l #	99
73) Isopropylbenzene	12.700	105	951784	49.234	ug/l	100
74) N-amyl acetate	12.494	43	276479	49.719	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	254913	45.869	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	228597m	50.218	ug/l	
77) Bromobenzene	12.982	156	223018	49.336	ug/l	100
78) n-propylbenzene	13.041	91	1093149	50.115	ug/l	100
79) 2-Chlorotoluene	13.129	91	633916	47.359	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	805768	49.753	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	74955	49.906	ug/l	98
82) 4-Chlorotoluene	13.129	91	633916	47.359	ug/l	100
83) tert-Butylbenzene	13.441	119	706291	49.033	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	808741	49.800	ug/l	100
85) sec-Butylbenzene	13.617	105	1011688	50.616	ug/l	99
86) p-Isopropyltoluene	13.729	119	865009	52.629	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	431187	47.322	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	425156	49.053	ug/l	99
89) n-Butylbenzene	14.059	91	704445	53.991	ug/l	99
90) Hexachloroethane	14.335	117	148856	52.475	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	416573	45.902	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	44696	46.268	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	211711	48.324	ug/l	99
94) Hexachlorobutadiene	15.506	225	111030	46.103	ug/l	99
95) Naphthalene	15.647	128	597437	46.160	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	201030	48.138	ug/l	99

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

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