

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077439.D
 Acq On : 24 Apr 2023 14:37
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Apr 25 02:05:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 01:54:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	719012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1320721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	1163960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	447341	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	84024	8.961	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	17.920%#
35) Dibromofluoromethane	8.172	113	73276	9.257	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	18.520%#
50) Toluene-d8	10.566	98	280295	9.259	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	18.520%#
62) 4-Bromofluorobenzene	12.854	95	92058	9.278	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	18.560%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.131	85	85596	9.577	ug/l	95
3) Chloromethane	2.372	50	72043	9.996	ug/l	99
4) Vinyl Chloride	2.525	62	94434	9.836	ug/l	92
5) Bromomethane	2.966	94	87582	9.635	ug/l	97
6) Chloroethane	3.131	64	67202	9.213	ug/l	96
7) Trichlorofluoromethane	3.507	101	133473	9.458	ug/l	99
8) Diethyl Ether	3.978	74	45879	8.947	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.390	101	79377	9.672	ug/l	98
10) Methyl Iodide	4.607	142	88962	8.893	ug/l #	93
11) Tert butyl alcohol	5.536	59	71331	51.504	ug/l	98
12) 1,1-Dichloroethene	4.348	96	72758	9.020	ug/l	89
13) Acrolein	4.184	56	70550	47.530	ug/l	99
14) Allyl chloride	5.037	41	88227	9.890	ug/l	99
15) Acrylonitrile	5.731	53	166985	48.871	ug/l	99
16) Acetone	4.437	43	151016	50.594	ug/l	94
17) Carbon Disulfide	4.725	76	185289	9.088	ug/l	95
18) Methyl Acetate	5.037	43	108349	9.400	ug/l	100
19) Methyl tert-butyl Ether	5.813	73	248754	9.322	ug/l	99
20) Methylene Chloride	5.284	84	85414	9.023	ug/l	91
21) trans-1,2-Dichloroethene	5.795	96	79811	9.198	ug/l	95
22) Diisopropyl ether	6.683	45	190012	9.281	ug/l	97
23) Vinyl Acetate	6.613	43	598681	46.821	ug/l	96
24) 1,1-Dichloroethane	6.578	63	133552	9.215	ug/l	99
25) 2-Butanone	7.489	43	209975	49.598	ug/l	98
26) 2,2-Dichloropropane	7.495	77	134870	9.597	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	95646	9.308	ug/l	99
28) Bromochloromethane	7.819	49	50035	9.041	ug/l	99
29) Tetrahydrofuran	7.842	42	130682	49.267	ug/l	96
30) Chloroform	7.972	83	152924	9.363	ug/l	94
31) Cyclohexane	8.260	56	131170	8.377	ug/l	94
32) 1,1,1-Trichloroethane	8.172	97	137697	9.170	ug/l	94
36) 1,1-Dichloropropene	8.377	75	110153	9.605	ug/l	99
37) Ethyl Acetate	7.572	43	83271	9.555	ug/l #	79
38) Carbon Tetrachloride	8.366	117	123096	9.728	ug/l	92
39) Methylcyclohexane	9.607	83	146536	9.698	ug/l #	89
40) Benzene	8.613	78	333451	9.544	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	42623	9.391	ug/l	95
42) 1,2-Dichloroethane	8.677	62	113929	9.494	ug/l	99
43) Isopropyl Acetate	8.695	43	150230	9.965	ug/l	99
44) Trichloroethene	9.354	130	87015	9.728	ug/l	99
45) 1,2-Dichloropropane	9.624	63	77660	9.489	ug/l #	84
46) Dibromomethane	9.713	93	61137	9.207	ug/l	93
47) Bromodichloromethane	9.889	83	122905	9.569	ug/l	98
48) Methyl methacrylate	9.689	41	62385	9.091	ug/l	96
49) 1,4-Dioxane	9.701	88	33833	196.548	ug/l	98
51) 4-Methyl-2-Pentanone	10.448	43	427770	48.375	ug/l	100
52) Toluene	10.630	92	218450	9.545	ug/l	97
53) t-1,3-Dichloropropene	10.836	75	125844	9.675	ug/l	92
54) cis-1,3-Dichloropropene	10.313	75	131634	9.298	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	87282	9.484	ug/l	93
56) Ethyl methacrylate	10.877	69	120936	9.378	ug/l	98
57) 1,3-Dichloropropane	11.166	76	141497	9.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	170803	39.157	ug/l	99
59) 2-Hexanone	11.201	43	321576	50.029	ug/l	98
60) Dibromochloromethane	11.360	129	89626	9.383	ug/l	100
61) 1,2-Dibromoethane	11.471	107	87696	9.333	ug/l	100
64) Tetrachloroethene	11.107	164	65122	9.346	ug/l	95
65) Chlorobenzene	11.895	112	233893	9.496	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.960	131	84983	9.483	ug/l	100
67) Ethyl Benzene	11.965	91	421138	9.713	ug/l	98
68) m/p-Xylenes	12.077	106	318130	18.878	ug/l	100
69) o-Xylene	12.401	106	159842	9.643	ug/l	100
70) Styrene	12.413	104	252266	9.732	ug/l	99
71) Bromoform	12.577	173	54859	9.357	ug/l #	98
73) Isopropylbenzene	12.701	105	406898	9.802	ug/l	99
74) N-amyl acetate	12.495	43	114443	9.312	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	127203	9.753	ug/l	97
76) 1,2,3-Trichloropropane	12.995	75	150341	14.144	ug/l	68
77) Bromobenzene	12.983	156	87280	9.647	ug/l	98
78) n-propylbenzene	13.036	91	433860	9.452	ug/l	97
79) 2-Chlorotoluene	13.130	91	267080	9.438	ug/l	96
80) 1,3,5-Trimethylbenzene	13.177	105	289735	9.399	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	39406	11.005	ug/l	96
82) 4-Chlorotoluene	13.224	91	252901	9.564	ug/l	99
83) tert-Butylbenzene	13.442	119	298404	9.968	ug/l	95
84) 1,2,4-Trimethylbenzene	13.489	105	269652	9.366	ug/l	99
85) sec-Butylbenzene	13.618	105	392999	9.564	ug/l	99
86) p-Isopropyltoluene	13.730	119	300602	9.508	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	154676	9.613	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	148463	9.353	ug/l	96
89) n-Butylbenzene	14.065	91	231629	9.467	ug/l	98
90) Hexachloroethane	14.336	117	61182	8.759	ug/l	99
91) 1,2-Dichlorobenzene	14.112	146	155338	9.734	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	21322	8.840	ug/l	97
93) 1,2,4-Trichlorobenzene	15.371	180	33896	10.184	ug/l	98
94) Hexachlorobutadiene	15.465	225	33104	10.266	ug/l	96
95) Naphthalene	15.589	128	119607	10.061	ug/l	100
96) 1,2,3-Trichlorobenzene	15.753	180	29835	9.530	ug/l	96

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

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