

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077228.D
 Acq On : 28 Mar 2023 02:19
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Mar 28 07:51:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032523W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 27 02:47:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	283815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	499444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	459145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	236795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	223279	50.316	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.640%
35) Dibromofluoromethane	8.172	113	160431	47.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.680%
50) Toluene-d8	10.572	98	663933	52.284	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.560%
62) 4-Bromofluorobenzene	12.848	95	221134	53.060	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.120%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	166128	56.113	ug/l	99
3) Chloromethane	2.372	50	266630	64.196	ug/l	94
4) Vinyl Chloride	2.525	62	326185	69.530	ug/l	100
5) Bromomethane	2.955	94	217174	57.996	ug/l	90
6) Chloroethane	3.131	64	230597	56.696	ug/l	100
7) Trichlorofluoromethane	3.507	101	310923	43.223	ug/l	100
8) Diethyl Ether	3.972	74	104559	44.160	ug/l	59
9) 1,1,2-Trichlorotrifluo...	4.390	101	149367	48.514	ug/l	96
10) Methyl Iodide	4.602	142	186177	53.597	ug/l #	93
11) Tert butyl alcohol	5.531	59	137475	227.310	ug/l	100
12) 1,1-Dichloroethene	4.354	96	143104	48.866	ug/l	85
13) Acrolein	4.190	56	183160	215.922	ug/l	99
14) Allyl chloride	5.037	41	272199	49.475	ug/l #	83
15) Acrylonitrile	5.731	53	437495	232.037	ug/l	98
16) Acetone	4.431	43	390666	236.768	ug/l #	83
17) Carbon Disulfide	4.725	76	395934	48.318	ug/l	99
18) Methyl Acetate	5.037	43	320883	48.611	ug/l #	81
19) Methyl tert-butyl Ether	5.801	73	537442	51.628	ug/l	94
20) Methylene Chloride	5.290	84	169658	46.175	ug/l #	71
21) trans-1,2-Dichloroethene	5.796	96	150602	46.862	ug/l #	79
22) Diisopropyl ether	6.684	45	593805	50.073	ug/l #	89
23) Vinyl Acetate	6.613	43	1988630	259.875	ug/l #	87
24) 1,1-Dichloroethane	6.578	63	317297	47.858	ug/l	96
25) 2-Butanone	7.490	43	596724	231.296	ug/l #	81
26) 2,2-Dichloropropane	7.501	77	208156	45.528	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	178025	48.023	ug/l	85
28) Bromochloromethane	7.819	49	157503	46.586	ug/l #	71
29) Tetrahydrofuran	7.842	42	409033	239.330	ug/l #	74
30) Chloroform	7.972	83	314348	48.138	ug/l	99
31) Cyclohexane	8.260	56	282821	45.878	ug/l #	81
32) 1,1,1-Trichloroethane	8.172	97	275944	49.220	ug/l #	94
36) 1,1-Dichloropropene	8.378	75	232440	49.281	ug/l	94
37) Ethyl Acetate	7.566	43	261794	49.795	ug/l #	88
38) Carbon Tetrachloride	8.366	117	228727	47.827	ug/l	97
39) Methylcyclohexane	9.601	83	279078	50.660	ug/l #	86
40) Benzene	8.613	78	703437	48.663	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.784	41	139502	48.548	ug/l	#	80
42) 1,2-Dichloroethane	8.678	62	271784	49.866	ug/l		92
43) Isopropyl Acetate	8.695	43	466246	54.970	ug/l	#	83
44) Trichloroethene	9.360	130	159083	48.032	ug/l		95
45) 1,2-Dichloropropane	9.625	63	179945	46.807	ug/l		98
46) Dibromomethane	9.713	93	120775	48.067	ug/l		98
47) Bromodichloromethane	9.889	83	248499	49.727	ug/l	#	99
48) Methyl methacrylate	9.684	41	205390	50.286	ug/l	#	75
49) 1,4-Dioxane	9.695	88	59871	859.834	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.448	43	1389555	260.377	ug/l	#	84
52) Toluene	10.631	92	504853	57.267	ug/l		98
53) t-1,3-Dichloropropene	10.836	75	267418	52.735	ug/l		100
54) cis-1,3-Dichloropropene	10.319	75	278294	50.146	ug/l	#	80
55) 1,1,2-Trichloroethane	11.019	97	170390	49.236	ug/l		98
56) Ethyl methacrylate	10.878	69	278596	54.534	ug/l	#	62
57) 1,3-Dichloropropane	11.166	76	300793	48.755	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.160	63	492907	247.343	ug/l		90
59) 2-Hexanone	11.201	43	1006857	262.520	ug/l		81
60) Dibromochloromethane	11.360	129	183342	51.571	ug/l		97
61) 1,2-Dibromoethane	11.472	107	172584	50.180	ug/l		99
64) Tetrachloroethene	11.107	164	138180	48.515	ug/l		94
65) Chlorobenzene	11.895	112	471135	50.928	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.966	131	172168	50.943	ug/l		99
67) Ethyl Benzene	11.966	91	931928	55.376	ug/l		96
68) m/p-Xylenes	12.072	106	738944	115.441	ug/l		96
69) o-Xylene	12.401	106	342941	55.325	ug/l		89
70) Styrene	12.413	104	565017	56.431	ug/l		94
71) Bromoform	12.583	173	133283	53.242	ug/l	#	98
73) Isopropylbenzene	12.701	105	888041	47.665	ug/l		96
74) N-amyl acetate	12.495	43	419035	51.615	ug/l	#	81
75) 1,1,2,2-Tetrachloroethane	12.942	83	268998	43.226	ug/l		98
76) 1,2,3-Trichloropropane	12.995	75	246633m	51.344	ug/l		
77) Bromobenzene	12.983	156	195524	45.586	ug/l		92
78) n-propylbenzene	13.036	91	1063178	49.481	ug/l		96
79) 2-Chlorotoluene	13.130	91	621176	47.013	ug/l		95
80) 1,3,5-Trimethylbenzene	13.177	105	787509	50.757	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.742	75	77983	46.790	ug/l	#	79
82) 4-Chlorotoluene	13.224	91	618121	49.287	ug/l		96
83) tert-Butylbenzene	13.442	119	641969	48.922	ug/l		94
84) 1,2,4-Trimethylbenzene	13.483	105	818510	53.684	ug/l		95
85) sec-Butylbenzene	13.619	105	957840	51.178	ug/l		97
86) p-Isopropyltoluene	13.730	119	796100	53.110	ug/l		96
87) 1,3-Dichlorobenzene	13.736	146	388378	50.169	ug/l		99
88) 1,4-Dichlorobenzene	13.813	146	373376	48.223	ug/l		98
89) n-Butylbenzene	14.060	91	658199	53.560	ug/l		97
90) Hexachloroethane	14.336	117	133665	47.851	ug/l		95
91) 1,2-Dichlorobenzene	14.107	146	366491	47.464	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	47162	42.829	ug/l		86
93) 1,2,4-Trichlorobenzene	15.395	180	157786	42.667	ug/l		99
94) Hexachlorobutadiene	15.507	225	80666	41.184	ug/l		98
95) Naphthalene	15.642	128	585472	46.599	ug/l		99
96) 1,2,3-Trichlorobenzene	15.842	180	146543	40.540	ug/l		98

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

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