

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077441.D
 Acq On : 24 Apr 2023 15:26
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 25 02:06:13 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	8.231	168	539885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	995865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	841134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	276360	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	8628	1.225	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	2.460%#
35) Dibromofluoromethane	8.178	113	5893	0.987	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	1.980%#
50) Toluene-d8	10.572	98	22712	0.995	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	1.980%#
62) 4-Bromofluorobenzene	12.854	95	6051	0.809	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	1.620%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.143	85	7187	1.346	ug/l	88
3) Chloromethane	2.378	50	7417	1.371	ug/l	96
4) Vinyl Chloride	2.519	62	8769	1.216	ug/l #	86
5) Bromomethane	2.972	94	11328	1.660	ug/l	100
6) Chloroethane	3.125	64	7099	1.296	ug/l #	86
7) Trichlorofluoromethane	3.502	101	12224	1.154	ug/l #	70
8) Diethyl Ether	3.978	74	3930	1.021	ug/l	70
9) 1,1,2-Trichlorotrifluo...	4.384	101	6823	1.107	ug/l	92
10) Methyl Iodide	4.613	142	9703	1.292	ug/l #	88
11) Tert butyl alcohol	5.543	59	7218	6.941	ug/l #	88
12) 1,1-Dichloroethene	4.354	96	7919	1.307	ug/l #	77
13) Acrolein	4.184	56	6181	5.546	ug/l	85
14) Allyl chloride	5.031	41	4542	0.678	ug/l #	47
15) Acrylonitrile	5.743	53	16834	6.561	ug/l	94
16) Acetone	4.460	43	14085	6.284	ug/l #	86
17) Carbon Disulfide	4.725	76	20009	1.307	ug/l	95
18) Methyl Acetate	5.048	43	13288	1.535	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	21653	1.081	ug/l #	89
20) Methylene Chloride	5.290	84	11818	1.663	ug/l #	86
21) trans-1,2-Dichloroethene	5.790	96	4324	0.664	ug/l #	82
22) Diisopropyl ether	6.684	45	16945	1.102	ug/l #	85
23) Vinyl Acetate	6.613	43	54613	5.688	ug/l	94
24) 1,1-Dichloroethane	6.572	63	7556	0.694	ug/l #	81
25) 2-Butanone	7.495	43	19096	6.007	ug/l	96
26) 2,2-Dichloropropane	7.495	77	12162	1.153	ug/l	91
27) cis-1,2-Dichloroethene	7.489	96	9591	1.243	ug/l	88
28) Bromochloromethane	7.819	49	5077	1.222	ug/l #	89
29) Tetrahydrofuran	7.854	42	13078	6.566	ug/l	92
30) Chloroform	7.972	83	13966	1.139	ug/l #	71
31) Cyclohexane	8.237	56	23352	1.986	ug/l #	53
32) 1,1,1-Trichloroethane	8.178	97	12331	1.094	ug/l #	46
36) 1,1-Dichloropropene	8.378	75	9643	1.115	ug/l	94
37) Ethyl Acetate	7.566	43	9715	1.478	ug/l #	77
38) Carbon Tetrachloride	8.378	117	10072	1.056	ug/l	89
39) Methylcyclohexane	9.601	83	12459	1.094	ug/l #	84
40) Benzene	8.613	78	30425	1.155	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	3973	1.161	ug/l #	85
42) 1,2-Dichloroethane	8.678	62	10737	1.187	ug/l	92
43) Isopropyl Acetate	8.695	43	13624	1.198	ug/l #	95
44) Trichloroethene	9.360	130	8294	1.230	ug/l	96
45) 1,2-Dichloropropane	9.631	63	7470	1.211	ug/l	90
46) Dibromomethane	9.707	93	5936	1.186	ug/l	93
47) Bromodichloromethane	9.895	83	10410	1.075	ug/l #	97
48) Methyl methacrylate	9.678	41	6155	1.189	ug/l	99
49) 1,4-Dioxane	9.713	88	3357	25.864	ug/l #	84
51) 4-Methyl-2-Pentanone	10.448	43	41664	6.249	ug/l	97
52) Toluene	10.636	92	19448	1.127	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	10641	1.085	ug/l #	84
54) cis-1,3-Dichloropropene	10.319	75	12412	1.163	ug/l	93
55) 1,1,2-Trichloroethane	11.030	97	8081	1.164	ug/l #	65
56) Ethyl methacrylate	10.878	69	11112	1.143	ug/l	97
57) 1,3-Dichloropropane	11.166	76	12864	1.164	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.160	63	15949	4.849	ug/l	99
59) 2-Hexanone	11.195	43	28808	5.944	ug/l	97
60) Dibromochloromethane	11.360	129	7772	1.079	ug/l	95
61) 1,2-Dibromoethane	11.472	107	7428	1.048	ug/l	82
64) Tetrachloroethene	11.113	164	6703	1.331	ug/l #	79
65) Chlorobenzene	11.901	112	21600	1.214	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.960	131	7428	1.147	ug/l #	64
67) Ethyl Benzene	11.966	91	35420	1.130	ug/l	96
68) m/p-Xylenes	12.077	106	26440	2.171	ug/l	93
69) o-Xylene	12.401	106	11759	0.982	ug/l	81
70) Styrene	12.419	104	19715	1.052	ug/l	98
71) Bromoform	12.577	173	4559	1.076	ug/l #	92
73) Isopropylbenzene	12.701	105	31110	1.213	ug/l	93
74) N-amyl acetate	12.501	43	10130	1.334	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.936	83	10481	1.301	ug/l	96
76) 1,2,3-Trichloropropane	12.995	75	13503	2.056	ug/l	65
77) Bromobenzene	12.983	156	7175	1.284	ug/l	94
78) n-propylbenzene	13.036	91	32094	1.132	ug/l	96
79) 2-Chlorotoluene	13.130	91	23659	1.353	ug/l	98
80) 1,3,5-Trimethylbenzene	13.183	105	19038	1.000	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.742	75	2523	1.140	ug/l #	77
82) 4-Chlorotoluene	13.224	91	21724	1.330	ug/l	98
83) tert-Butylbenzene	13.442	119	22213	1.201	ug/l	96
84) 1,2,4-Trimethylbenzene	13.489	105	17590	0.989	ug/l	99
85) sec-Butylbenzene	13.624	105	26733	1.053	ug/l	95
86) p-Isopropyltoluene	13.736	119	19115	0.979	ug/l	94
87) 1,3-Dichlorobenzene	13.736	146	14392	1.448	ug/l	94
88) 1,4-Dichlorobenzene	13.819	146	14291	1.457	ug/l	90
89) n-Butylbenzene	14.066	91	16408	1.085	ug/l	97
90) Hexachloroethane	14.330	117	5057	1.172	ug/l	93
91) 1,2-Dichlorobenzene	14.113	146	12847	1.303	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	2639	1.771	ug/l	77
93) 1,2,4-Trichlorobenzene	15.365	180	3140	2.339	ug/l	81
94) Hexachlorobutadiene	15.460	225	3193	1.603	ug/l	89
95) Naphthalene	15.589	128	13124	2.877	ug/l	98
96) 1,2,3-Trichlorobenzene	15.754	180	3616	2.410	ug/l	96

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

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