

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022823\
 Data File : VN076823.D
 Acq On : 28 Feb 2023 12:59
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050

Quant Time: Mar 01 01:24:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.225	168	313293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	548999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	515605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	276488	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	213647	49.385	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.780%
35) Dibromofluoromethane	8.172	113	174091	48.422	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.840%
50) Toluene-d8	10.572	98	673267	50.144	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.280%
62) 4-Bromofluorobenzene	12.854	95	243000	54.643	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	175068	52.626	ug/l	95
3) Chloromethane	2.378	50	211073	48.632	ug/l	92
4) Vinyl Chloride	2.531	62	206043	48.236	ug/l	94
5) Bromomethane	2.955	94	137351	53.068	ug/l	92
6) Chloroethane	3.125	64	135885	50.337	ug/l	96
7) Trichlorofluoromethane	3.507	101	277757	47.791	ug/l	96
8) Diethyl Ether	3.978	74	119469	53.345	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.384	101	171406	50.192	ug/l	99
10) Methyl Iodide	4.601	142	240468	57.020	ug/l	97
11) Tert butyl alcohol	5.531	59	138391	242.352	ug/l	99
12) 1,1-Dichloroethene	4.354	96	165225	51.094	ug/l	95
13) Acrolein	4.190	56	192093	224.068	ug/l	99
14) Allyl chloride	5.031	41	296326	52.886	ug/l	98
15) Acrylonitrile	5.731	53	516673	254.951	ug/l	98
16) Acetone	4.437	43	580745	300.527	ug/l	97
17) Carbon Disulfide	4.725	76	473173	55.420	ug/l	98
18) Methyl Acetate	5.037	43	321161	50.915	ug/l	100
19) Methyl tert-butyl Ether	5.813	73	599046	54.946	ug/l	97
20) Methylene Chloride	5.284	84	200637	49.540	ug/l	97
21) trans-1,2-Dichloroethene	5.801	96	183291	50.353	ug/l	91
22) Diisopropyl ether	6.678	45	722440	54.972	ug/l	99
23) Vinyl Acetate	6.613	43	2397367m	308.317	ug/l	
24) 1,1-Dichloroethane	6.572	63	366595	50.898	ug/l	95
25) 2-Butanone	7.484	43	757689	265.812	ug/l	99
26) 2,2-Dichloropropane	7.495	77	287123	55.268	ug/l	96
27) cis-1,2-Dichloroethene	7.495	96	218094	50.514	ug/l	95
28) Bromochloromethane	7.819	49	162384	47.370	ug/l	95
29) Tetrahydrofuran	7.842	42	474932	255.016	ug/l	99
30) Chloroform	7.972	83	368723	51.238	ug/l	96
31) Cyclohexane	8.260	56	345275	50.879	ug/l	99
32) 1,1,1-Trichloroethane	8.172	97	316508	52.310	ug/l	96
36) 1,1-Dichloropropene	8.378	75	278480	53.610	ug/l	98
37) Ethyl Acetate	7.566	43	297365	54.408	ug/l	98
38) Carbon Tetrachloride	8.366	117	279123	53.265	ug/l	99
39) Methylcyclohexane	9.607	83	352891	59.765	ug/l	95
40) Benzene	8.607	78	868251	54.428	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	155173m	49.009	ug/l	
42) 1,2-Dichloroethane	8.678	62	297575	53.486	ug/l	99
43) Isopropyl Acetate	8.689	43	485470	54.587	ug/l	98
44) Trichloroethene	9.354	130	203165	53.894	ug/l	95
45) 1,2-Dichloropropane	9.625	63	226134	53.550	ug/l	98
46) Dibromomethane	9.713	93	144391	53.484	ug/l	97
47) Bromodichloromethane	9.889	83	294522	54.414	ug/l #	97
48) Methyl methacrylate	9.684	41	228834	54.224	ug/l	98
49) 1,4-Dioxane	9.695	88	74462	1020.009	ug/l	95
51) 4-Methyl-2-Pentanone	10.448	43	1498133	264.760	ug/l	99
52) Toluene	10.631	92	555519	57.680	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	317540	60.782	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	346753	57.542	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	209981	53.617	ug/l	97
56) Ethyl methacrylate	10.878	69	326896	59.301	ug/l	99
57) 1,3-Dichloropropane	11.166	76	368948	54.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	638220	252.802	ug/l	99
59) 2-Hexanone	11.195	43	1140554	279.551	ug/l	99
60) Dibromochloromethane	11.360	129	226400	54.852	ug/l	100
61) 1,2-Dibromoethane	11.472	107	215714	55.029	ug/l	96
64) Tetrachloroethene	11.107	164	176014	54.170	ug/l	95
65) Chlorobenzene	11.895	112	571780	52.327	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.966	131	213953	53.906	ug/l	99
67) Ethyl Benzene	11.966	91	1055687	56.708	ug/l	99
68) m/p-Xylenes	12.072	106	828815	115.503	ug/l	97
69) o-Xylene	12.401	106	413548	59.093	ug/l	95
70) Styrene	12.413	104	674932	59.640	ug/l	100
71) Bromoform	12.577	173	161130	55.346	ug/l #	98
73) Isopropylbenzene	12.701	105	1059637	52.288	ug/l	99
74) N-amyl acetate	12.495	43	447296	48.967	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.942	83	314401	42.859	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	234256m	41.908	ug/l	
77) Bromobenzene	12.983	156	245977	48.649	ug/l	97
78) n-propylbenzene	13.036	91	1278701	53.734	ug/l	99
79) 2-Chlorotoluene	13.124	91	737814	50.637	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	897514	53.588	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	106113	55.290	ug/l #	79
82) 4-Chlorotoluene	13.124	91	737814	50.637	ug/l	99
83) tert-Butylbenzene	13.442	119	792304	52.293	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	898914	53.854	ug/l	98
85) sec-Butylbenzene	13.619	105	1159671	54.822	ug/l	98
86) p-Isopropyltoluene	13.730	119	954167	56.488	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	480880	50.313	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	483681	50.818	ug/l	98
89) n-Butylbenzene	14.060	91	837383	56.998	ug/l	99
90) Hexachloroethane	14.336	117	169761	47.999	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	478704	48.855	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	55219	38.854	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	246879	50.510	ug/l	100
94) Hexachlorobutadiene	15.507	225	118974	49.665	ug/l	97
95) Naphthalene	15.642	128	750180	50.578	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	238013	50.263	ug/l	98

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

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