

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076929.D
 Acq On : 10 Mar 2023 17:03
 Operator : JC\MD
 Sample : VN0310WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/13/2023
 Supervised By : Mahesh Dadoda 03/13/2023

Quant Time: Mar 13 01:19:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	377717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	615767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	532064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	247020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	267624	47.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.960%		
35) Dibromofluoromethane	8.172	113	193195	47.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.160%		
50) Toluene-d8	10.572	98	735614	48.636	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.280%		
62) 4-Bromofluorobenzene	12.854	95	270580	48.910	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	132167	19.426	ug/l	100
3) Chloromethane	2.378	50	57474	15.611	ug/l	95
4) Vinyl Chloride	2.531	62	59395	17.380	ug/l	99
5) Bromomethane	2.972	94	45799	18.220	ug/l	88
6) Chloroethane	3.137	64	35642	16.429	ug/l	100
7) Trichlorofluoromethane	3.513	101	161229	18.183	ug/l	98
8) Diethyl Ether	3.978	74	50111	17.565	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.390	101	79578	17.566	ug/l	97
10) Methyl Iodide	4.607	142	82970	17.498	ug/l	91
11) Tert butyl alcohol	5.531	59	71184	90.784	ug/l	99
12) 1,1-Dichloroethene	4.360	96	69908	16.744	ug/l	88
13) Acrolein	4.196	56	63172	89.632	ug/l	97
14) Allyl chloride	5.037	41	99169	16.557	ug/l	89
15) Acrylonitrile	5.737	53	192677	86.948	ug/l	98
16) Acetone	4.448	43	171753	87.935	ug/l	94
17) Carbon Disulfide	4.731	76	194677	16.833	ug/l #	94
18) Methyl Acetate	5.043	43	122418	16.995	ug/l	91
19) Methyl tert-butyl Ether	5.807	73	269509	18.154	ug/l	98
20) Methylene Chloride	5.295	84	82950	16.517	ug/l #	89
21) trans-1,2-Dichloroethene	5.801	96	77265	17.457	ug/l #	81
22) Diisopropyl ether	6.684	45	230523	17.397	ug/l	93
23) Vinyl Acetate	6.619	43	741274	90.841	ug/l #	92
24) 1,1-Dichloroethane	6.578	63	148898	17.591	ug/l	95
25) 2-Butanone	7.495	43	244760	88.110	ug/l #	86
26) 2,2-Dichloropropane	7.501	77	135172	18.046	ug/l	96
27) cis-1,2-Dichloroethene	7.501	96	91889	17.991	ug/l	89
28) Bromochloromethane	7.813	49	49161	16.056	ug/l	88
29) Tetrahydrofuran	7.842	42	156042	90.627	ug/l	89
30) Chloroform	7.972	83	162274	17.843	ug/l	96
31) Cyclohexane	8.266	56	141323	17.475	ug/l	91
32) 1,1,1-Trichloroethane	8.178	97	156376	18.340	ug/l	99
36) 1,1-Dichloropropene	8.383	75	117116	18.452	ug/l	95
37) Ethyl Acetate	7.566	43	103072	20.307	ug/l	96
38) Carbon Tetrachloride	8.366	117	140865	18.963	ug/l	97
39) Methylcyclohexane	9.607	83	141052	18.307	ug/l #	89
40) Benzene	8.613	78	342013	18.281	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	60149	19.914	ug/l #	84
42) 1,2-Dichloroethane	8.678	62	135822	18.612	ug/l	94
43) Isopropyl Acetate	8.695	43	162583	18.145	ug/l	94
44) Trichloroethene	9.360	130	88024	18.205	ug/l	98
45) 1,2-Dichloropropane	9.625	63	84784	18.419	ug/l	91
46) Dibromomethane	9.713	93	58991	18.350	ug/l	95
47) Bromodichloromethane	9.889	83	128267	18.807	ug/l	98
48) Methyl methacrylate	9.683	41	81777	18.627	ug/l #	83
49) 1,4-Dioxane	9.695	88	31622	380.392	ug/l #	84
51) 4-Methyl-2-Pentanone	10.448	43	509452	94.648	ug/l	94
52) Toluene	10.630	92	216296	18.785	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	128320	18.872	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	135315	18.121	ug/l	89
55) 1,1,2-Trichloroethane	11.019	97	83842	18.714	ug/l	96
56) Ethyl methacrylate	10.877	69	126532	18.621	ug/l #	86
57) 1,3-Dichloropropane	11.166	76	146571	18.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	209530	96.832	ug/l	98
59) 2-Hexanone	11.201	43	374266	95.364	ug/l	93
60) Dibromochloromethane	11.360	129	91834	18.605	ug/l	100
61) 1,2-Dibromoethane	11.472	107	81912	18.242	ug/l	100
64) Tetrachloroethene	11.107	164	85139	19.771	ug/l	97
65) Chlorobenzene	11.895	112	220095	18.493	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	88514	19.052	ug/l	96
67) Ethyl Benzene	11.966	91	413073	18.875	ug/l	98
68) m/p-Xylenes	12.071	106	308916	37.557	ug/l	85
69) o-Xylene	12.401	106	153201	19.185	ug/l	84
70) Styrene	12.413	104	247997	19.224	ug/l #	92
71) Bromoform	12.577	173	65386	19.420	ug/l #	99
73) Isopropylbenzene	12.701	105	412033	18.719	ug/l	96
74) N-amyl acetate	12.495	43	132618	18.197	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.942	83	115860	17.889	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	111876m	18.681	ug/l	
77) Bromobenzene	12.977	156	90001	18.290	ug/l	89
78) n-propylbenzene	13.036	91	463699	18.918	ug/l	97
79) 2-Chlorotoluene	13.124	91	296946	18.682	ug/l	92
80) 1,3,5-Trimethylbenzene	13.177	105	361904	19.302	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.742	75	38295	20.887	ug/l #	80
82) 4-Chlorotoluene	13.224	91	281507	18.743	ug/l	92
83) tert-Butylbenzene	13.442	119	300876	18.889	ug/l	89
84) 1,2,4-Trimethylbenzene	13.483	105	361202	19.255	ug/l	91
85) sec-Butylbenzene	13.618	105	414238	18.972	ug/l	96
86) p-Isopropyltoluene	13.730	119	346052	19.626	ug/l	94
87) 1,3-Dichlorobenzene	13.736	146	164217	18.311	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	163268	18.148	ug/l	96
89) n-Butylbenzene	14.060	91	271607	18.460	ug/l	98
90) Hexachloroethane	14.336	117	61214	18.068	ug/l	82
91) 1,2-Dichlorobenzene	14.107	146	162851	18.076	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.724	75	25941	18.141	ug/l	86
93) 1,2,4-Trichlorobenzene	15.395	180	88006	17.574	ug/l	96
94) Hexachlorobutadiene	15.501	225	51680	19.370	ug/l	99
95) Naphthalene	15.642	128	275938	18.508	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	87484	17.990	ug/l	97

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

