

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030823\
 Data File : VN076878.D
 Acq On : 08 Mar 2023 11:56
 Operator : JC\MD
 Sample : VN0308WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0308WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/09/2023
 Supervised By : Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 03:21:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 08:45:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	518570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	893066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	789262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	353234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	312428	42.972	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.940%		
35) Dibromofluoromethane	8.172	113	240885	43.116	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.240%		
50) Toluene-d8	10.572	98	963914	44.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.560%		
62) 4-Bromofluorobenzene	12.854	95	336752	45.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	107730	17.853	ug/l	98
3) Chloromethane	2.378	50	122955	15.492	ug/l	97
4) Vinyl Chloride	2.531	62	111630	15.345	ug/l	98
5) Bromomethane	2.972	94	73659	15.410	ug/l	92
6) Chloroethane	3.137	64	70525	16.012	ug/l	98
7) Trichlorofluoromethane	3.513	101	187542	17.669	ug/l	96
8) Diethyl Ether	3.984	74	78523	19.232	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.390	101	109291	17.611	ug/l	97
10) Methyl Iodide	4.607	142	128035	19.780	ug/l #	91
11) Tert butyl alcohol	5.537	59	97961	90.735	ug/l #	86
12) 1,1-Dichloroethene	4.360	96	107366	18.553	ug/l	98
13) Acrolein	4.190	56	113223	81.066	ug/l	99
14) Allyl chloride	5.037	41	168022	17.391	ug/l #	77
15) Acrylonitrile	5.731	53	322468	92.874	ug/l	100
16) Acetone	4.448	43	275279	86.740	ug/l	92
17) Carbon Disulfide	4.731	76	275366	17.528	ug/l	99
18) Methyl Acetate	5.042	43	196577	18.077	ug/l #	85
19) Methyl tert-butyl Ether	5.807	73	373708	18.832	ug/l	92
20) Methylene Chloride	5.290	84	131422	17.749	ug/l #	87
21) trans-1,2-Dichloroethene	5.801	96	114660	18.325	ug/l	85
22) Diisopropyl ether	6.684	45	410976	18.907	ug/l #	95
23) Vinyl Acetate	6.613	43	1268065	91.589	ug/l #	91
24) 1,1-Dichloroethane	6.584	63	225602	18.201	ug/l	97
25) 2-Butanone	7.489	43	419567	90.503	ug/l #	85
26) 2,2-Dichloropropane	7.501	77	168697	18.585	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	135177	18.442	ug/l	87
28) Bromochloromethane	7.819	49	87798	16.751	ug/l #	75
29) Tetrahydrofuran	7.848	42	273776	91.544	ug/l #	80
30) Chloroform	7.972	83	231030	18.767	ug/l	100
31) Cyclohexane	8.260	56	212720	17.320	ug/l	84
32) 1,1,1-Trichloroethane	8.172	97	193331	18.135	ug/l	92
36) 1,1-Dichloropropene	8.372	75	167781	18.685	ug/l	95
37) Ethyl Acetate	7.566	43	168817	18.316	ug/l #	93
38) Carbon Tetrachloride	8.366	117	164358	18.018	ug/l	93
39) Methylcyclohexane	9.607	83	204093	18.440	ug/l #	86
40) Benzene	8.613	78	513221	18.763	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	85813m	17.050	ug/l	
42) 1,2-Dichloroethane	8.678	62	175252	18.393	ug/l	97
43) Isopropyl Acetate	8.695	43	260632	18.472	ug/l #	92
44) Trichloroethene	9.360	130	126456	19.498	ug/l	98
45) 1,2-Dichloropropane	9.625	63	133523	18.890	ug/l	99
46) Dibromomethane	9.713	93	87013	19.382	ug/l	97
47) Bromodichloromethane	9.889	83	174041	18.857	ug/l	98
48) Methyl methacrylate	9.683	41	127324	18.570	ug/l #	80
49) 1,4-Dioxane	9.701	88	47309	376.460	ug/l #	84
51) 4-Methyl-2-Pentanone	10.448	43	854122	95.969	ug/l	91
52) Toluene	10.636	92	317814	19.514	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	175258	19.590	ug/l	96
54) cis-1,3-Dichloropropene	10.319	75	199749	19.438	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	127101	19.618	ug/l	96
56) Ethyl methacrylate	10.877	69	190001	19.683	ug/l #	86
57) 1,3-Dichloropropane	11.166	76	223493	19.868	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	296860	88.754	ug/l	92
59) 2-Hexanone	11.201	43	613581	95.141	ug/l	90
60) Dibromochloromethane	11.360	129	128001	20.049	ug/l	99
61) 1,2-Dibromoethane	11.471	107	124454	19.986	ug/l	99
64) Tetrachloroethene	11.107	164	122545	20.864	ug/l	98
65) Chlorobenzene	11.895	112	323411	18.961	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.966	131	120107	19.466	ug/l	98
67) Ethyl Benzene	11.966	91	590734	19.074	ug/l	97
68) m/p-Xylenes	12.071	106	457078	39.226	ug/l	94
69) o-Xylene	12.401	106	225176	19.624	ug/l	92
70) Styrene	12.413	104	364092	20.238	ug/l	96
71) Bromoform	12.583	173	86295	20.547	ug/l #	96
73) Isopropylbenzene	12.701	105	577999	18.772	ug/l	96
74) N-amyl acetate	12.495	43	217342	18.049	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.942	83	176363	17.873	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	159614m	17.917	ug/l	
77) Bromobenzene	12.983	156	130298	19.123	ug/l	89
78) n-propylbenzene	13.042	91	662248	18.861	ug/l	96
79) 2-Chlorotoluene	13.130	91	416769	18.503	ug/l	94
80) 1,3,5-Trimethylbenzene	13.177	105	495154	19.187	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.742	75	49425	18.298	ug/l	85
82) 4-Chlorotoluene	13.224	91	395518	18.523	ug/l	93
83) tert-Butylbenzene	13.442	119	407929	18.498	ug/l	94
84) 1,2,4-Trimethylbenzene	13.483	105	497441	19.542	ug/l	94
85) sec-Butylbenzene	13.618	105	589894	19.159	ug/l	97
86) p-Isopropyltoluene	13.730	119	471937	19.164	ug/l	96
87) 1,3-Dichlorobenzene	13.736	146	234588	18.856	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	236312	18.707	ug/l	97
89) n-Butylbenzene	14.060	91	393336	18.488	ug/l	97
90) Hexachloroethane	14.336	117	82939	18.641	ug/l	95
91) 1,2-Dichlorobenzene	14.107	146	237209	18.823	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	35103	18.774	ug/l	81
93) 1,2,4-Trichlorobenzene	15.395	180	120830	19.165	ug/l	98
94) Hexachlorobutadiene	15.506	225	63205	19.254	ug/l	97
95) Naphthalene	15.648	128	389664	19.296	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	122060	19.698	ug/l	97

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

