

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076124.D
 Acq On : 06 Jan 2023 11:13
 Operator : JC\MD
 Sample : VN0106WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0106WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/09/2023
 Supervised By : Mahesh Dadoda 01/09/2023

Quant Time: Jan 06 22:53:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	332657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	535478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	471683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	219762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	171268	47.325	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.640%		
35) Dibromofluoromethane	8.171	113	159446	48.082	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.160%		
50) Toluene-d8	10.571	98	588819	47.490	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.980%		
62) 4-Bromofluorobenzene	12.853	95	192347	46.839	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	54423	23.041	ug/l	99
3) Chloromethane	2.377	50	55665	18.953	ug/l	96
4) Vinyl Chloride	2.530	62	66939	19.106	ug/l	98
5) Bromomethane	2.948	94	54260	18.223	ug/l	99
6) Chloroethane	3.124	64	47741	18.401	ug/l	98
7) Trichlorofluoromethane	3.506	101	96097	18.076	ug/l	100
8) Diethyl Ether	3.971	74	32542	16.760	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	55683	18.343	ug/l	98
10) Methyl Iodide	4.600	142	81599	16.563	ug/l	98
11) Tert butyl alcohol	5.542	59	39520	77.175	ug/l	98
12) 1,1-Dichloroethene	4.353	96	51131	17.343	ug/l	98
13) Acrolein	4.195	56	48400	77.095	ug/l	97
14) Allyl chloride	5.042	41	63021	18.285	ug/l	98
15) Acrylonitrile	5.730	53	116163	83.125	ug/l	98
16) Acetone	4.442	43	95210	76.318	ug/l	98
17) Carbon Disulfide	4.724	76	115909	16.237	ug/l	96
18) Methyl Acetate	5.036	43	64128	17.390	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	175265	18.052	ug/l	96
20) Methylene Chloride	5.289	84	57771	16.887	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	53513	16.573	ug/l	97
22) Diisopropyl ether	6.683	45	146432	17.490	ug/l	99
23) Vinyl Acetate	6.618	43	458196	81.308	ug/l	99
24) 1,1-Dichloroethane	6.583	63	95595	17.120	ug/l	99
25) 2-Butanone	7.494	43	145922	83.538	ug/l	97
26) 2,2-Dichloropropane	7.494	77	82490	17.445	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	66208	17.145	ug/l	97
28) Bromochloromethane	7.818	49	41403	16.917	ug/l	97
29) Tetrahydrofuran	7.841	42	92639	84.628	ug/l	99
30) Chloroform	7.971	83	106131	16.881	ug/l	98
31) Cyclohexane	8.265	56	91664	17.685	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	96342	17.285	ug/l	98
36) 1,1-Dichloropropene	8.377	75	75429	17.123	ug/l	99
37) Ethyl Acetate	7.571	43	58388	16.501	ug/l	98
38) Carbon Tetrachloride	8.371	117	85453	17.332	ug/l	96
39) Methylcyclohexane	9.606	83	94798	17.838	ug/l	99
40) Benzene	8.612	78	234056	17.221	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	31866	17.326	ug/l	97
42) 1,2-Dichloroethane	8.677	62	78259	17.319	ug/l	99
43) Isopropyl Acetate	8.694	43	98815	16.929	ug/l	99
44) Trichloroethene	9.359	130	63341	16.543	ug/l	96
45) 1,2-Dichloropropane	9.630	63	54915	16.604	ug/l	95
46) Dibromomethane	9.712	93	42252	17.224	ug/l	98
47) Bromodichloromethane	9.894	83	81750	16.994	ug/l	98
48) Methyl methacrylate	9.682	41	44182	16.806	ug/l	93
49) 1,4-Dioxane	9.694	88	21516	332.913	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	305517	86.551	ug/l	98
52) Toluene	10.635	92	152878	17.271	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	79365	16.854	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	89066	17.226	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	58885	16.948	ug/l	94
56) Ethyl methacrylate	10.876	69	78996	17.118	ug/l	96
57) 1,3-Dichloropropane	11.165	76	98158	17.224	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	113110	76.982	ug/l	99
59) 2-Hexanone	11.200	43	216060	83.931	ug/l	100
60) Dibromochloromethane	11.359	129	63470	16.427	ug/l	97
61) 1,2-Dibromoethane	11.471	107	59642	16.963	ug/l	99
64) Tetrachloroethene	11.106	164	65615	19.769	ug/l	99
65) Chlorobenzene	11.894	112	166633	17.212	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	60710	16.930	ug/l	97
67) Ethyl Benzene	11.965	91	287124	17.572	ug/l	98
68) m/p-Xylenes	12.071	106	231043	35.726	ug/l	100
69) o-Xylene	12.400	106	113506	17.736	ug/l	100
70) Styrene	12.412	104	184030	18.085	ug/l	99
71) Bromoform	12.582	173	44822	17.178	ug/l #	99
73) Isopropylbenzene	12.700	105	292344	18.408	ug/l	99
74) N-amyl acetate	12.494	43	81492	17.492	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	83369	16.981	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	72003m	16.254	ug/l	
77) Bromobenzene	12.982	156	73305	18.239	ug/l	94
78) n-propylbenzene	13.035	91	323813	18.487	ug/l	100
79) 2-Chlorotoluene	13.129	91	195313	17.863	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	251739	18.940	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	20955	17.027	ug/l	93
82) 4-Chlorotoluene	13.129	91	195313	17.863	ug/l	100
83) tert-Butylbenzene	13.441	119	221011	18.859	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	250984	19.034	ug/l	100
85) sec-Butylbenzene	13.617	105	308117	19.049	ug/l	99
86) p-Isopropyltoluene	13.735	119	253565	18.840	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	129795	17.483	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	128449	16.936	ug/l	99
89) n-Butylbenzene	14.059	91	191671	17.579	ug/l	99
90) Hexachloroethane	14.335	117	42692	17.733	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	128440	17.564	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	13573	15.581	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	54177	14.965	ug/l	98
94) Hexachlorobutadiene	15.506	225	33248	16.833	ug/l	99
95) Naphthalene	15.641	128	154908	14.565	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	54064	15.978	ug/l	100

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

