

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062423\
 Data File : VN078389.D
 Acq On : 24 Jun 2023 12:50
 Operator : JC\MD
 Sample : VN0624WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/26/2023
 Supervised By : Mahesh Dadoda 06/26/2023

Quant Time: Jun 26 01:47:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	429379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	749926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	640799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	233918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	302641	52.864	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.720%			
35) Dibromofluoromethane	8.171	113	263175	55.502	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.000%			
50) Toluene-d8	10.571	98	958713	52.447	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.900%			
62) 4-Bromofluorobenzene	12.853	95	300135	52.816	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	71140	14.657	ug/l	99
3) Chloromethane	2.371	50	93178	19.285	ug/l	97
4) Vinyl Chloride	2.524	62	122167	19.222	ug/l	98
5) Bromomethane	2.965	94	88502	18.426	ug/l	97
6) Chloroethane	3.124	64	89091	20.563	ug/l	92
7) Trichlorofluoromethane	3.506	101	148366	17.214	ug/l	97
8) Diethyl Ether	3.971	74	50202	16.577	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.377	101	82969	18.241	ug/l	100
10) Methyl Iodide	4.595	142	100088	15.560	ug/l #	94
11) Tert butyl alcohol	5.530	59	60166	76.112	ug/l	100
12) 1,1-Dichloroethene	4.348	96	77899	16.614	ug/l	91
13) Acrolein	4.189	56	70192	80.567	ug/l	97
14) Allyl chloride	5.030	41	107457	18.774	ug/l	97
15) Acrylonitrile	5.736	53	180556	88.594	ug/l	99
16) Acetone	4.442	43	157205	95.400	ug/l	95
17) Carbon Disulfide	4.718	76	208120	17.245	ug/l	98
18) Methyl Acetate	5.036	43	131878	17.383	ug/l	90
19) Methyl tert-butyl Ether	5.812	73	250179	16.723	ug/l #	91
20) Methylene Chloride	5.283	84	94197	17.299	ug/l	91
21) trans-1,2-Dichloroethene	5.800	96	89844	17.766	ug/l	88
22) Diisopropyl ether	6.683	45	245118	18.206	ug/l	95
23) Vinyl Acetate	6.612	43	717301	89.627	ug/l #	89
24) 1,1-Dichloroethane	6.583	63	160436	18.064	ug/l	98
25) 2-Butanone	7.494	43	227694	89.854	ug/l	88
26) 2,2-Dichloropropane	7.494	77	138068	21.054	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	101864	16.886	ug/l	93
28) Bromochloromethane	7.824	49	96694	23.712	ug/l	86
29) Tetrahydrofuran	7.847	42	141437	83.492	ug/l	86
30) Chloroform	7.971	83	171318	17.913	ug/l	96
31) Cyclohexane	8.259	56	126963	17.288	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	155390	18.507	ug/l	98
36) 1,1-Dichloropropene	8.377	75	129781	19.082	ug/l	97
37) Ethyl Acetate	7.571	43	98185	18.479	ug/l #	93
38) Carbon Tetrachloride	8.371	117	138954	19.349	ug/l	96
39) Methylcyclohexane	9.606	83	109931	15.596	ug/l	88
40) Benzene	8.612	78	383102	18.867	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	49058	17.034	ug/l	92
42) 1,2-Dichloroethane	8.677	62	130261	18.710	ug/l	99
43) Isopropyl Acetate	8.694	43	169891	16.719	ug/l	94
44) Trichloroethene	9.359	130	97444	18.172	ug/l	94
45) 1,2-Dichloropropane	9.630	63	95553	18.914	ug/l	97
46) Dibromomethane	9.718	93	68584	18.431	ug/l	97
47) Bromodichloromethane	9.894	83	134160	19.410	ug/l	96
48) Methyl methacrylate	9.688	41	76042	17.832	ug/l	90
49) 1,4-Dioxane	9.700	88	29063	324.272	ug/l	90
51) 4-Methyl-2-Pentanone	10.453	43	488105	91.220	ug/l	92
52) Toluene	10.635	92	243887	19.024	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	138069	19.180	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	152882	19.213	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	93046	19.186	ug/l	97
56) Ethyl methacrylate	10.882	69	123958	17.554	ug/l	90
57) 1,3-Dichloropropane	11.171	76	156434	19.110	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	232987	81.674	ug/l	93
59) 2-Hexanone	11.200	43	334969	89.907	ug/l	93
60) Dibromochloromethane	11.365	129	97364	18.347	ug/l	97
61) 1,2-Dibromoethane	11.477	107	94982	18.663	ug/l	98
64) Tetrachloroethene	11.106	164	83248	19.473	ug/l	98
65) Chlorobenzene	11.900	112	250630	18.263	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.971	131	97371	19.292	ug/l	98
67) Ethyl Benzene	11.971	91	434061	18.331	ug/l	100
68) m/p-Xylenes	12.076	106	330837	36.662	ug/l	98
69) o-Xylene	12.406	106	157477	17.770	ug/l	96
70) Styrene	12.418	104	246717	17.684	ug/l	96
71) Bromoform	12.582	173	59405	18.238	ug/l #	96
73) Isopropylbenzene	12.700	105	388273	17.553	ug/l	98
74) N-amyl acetate	12.500	43	124841	17.139	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	126708	19.325	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	115354m	20.860	ug/l	
77) Bromobenzene	12.982	156	91859	17.889	ug/l	98
78) n-propylbenzene	13.041	91	426888	17.763	ug/l	100
79) 2-Chlorotoluene	13.129	91	272691	17.578	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	309072	17.258	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	33580	18.656	ug/l	90
82) 4-Chlorotoluene	13.229	91	259905	17.951	ug/l	96
83) tert-Butylbenzene	13.441	119	249066	15.999	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	308114	17.746	ug/l	99
85) sec-Butylbenzene	13.623	105	321263	15.767	ug/l	100
86) p-Isopropyltoluene	13.735	119	257431	15.569	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	148856	17.138	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	146374	17.465	ug/l	98
89) n-Butylbenzene	14.059	91	185687	14.238	ug/l	98
90) Hexachloroethane	14.341	117	49514	16.874	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	148910	17.542	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18599	16.975	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	35874	11.861	ug/l	94
94) Hexachlorobutadiene	15.506	225	25964	15.674	ug/l	98
95) Naphthalene	15.647	128	117376	11.537	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	45478	13.444	ug/l	96

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

