

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030424\
 Data File : VN081296.D
 Acq On : 04 Mar 2024 12:08
 Operator : JC\MD
 Sample : VN0304WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/05/2024
 Supervised By : Mahesh Dadoda 03/05/2024

Quant Time: Mar 05 03:11:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	241360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	434421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	391297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	170687	57.696	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.400%			
35) Dibromofluoromethane	8.171	113	142617	58.057	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.120%			
50) Toluene-d8	10.571	98	450902	51.680	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.853	95	178892	54.567	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	64973	20.816	ug/l	95
3) Chloromethane	2.365	50	62350	17.542	ug/l	98
4) Vinyl Chloride	2.512	62	68338	19.710	ug/l	93
5) Bromomethane	2.959	94	42381	17.210	ug/l	91
6) Chloroethane	3.124	64	47315	20.588	ug/l	100
7) Trichlorofluoromethane	3.506	101	108231	21.368	ug/l	88
8) Diethyl Ether	3.965	74	38195	20.625	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	63148	22.364	ug/l	94
10) Methyl Iodide	4.589	142	54515	17.296	ug/l	96
11) Tert butyl alcohol	5.518	59	58470	107.469	ug/l	100
12) 1,1-Dichloroethene	4.342	96	53656	19.658	ug/l	91
13) Acrolein	4.177	56	20347	69.776	ug/l	97
14) Allyl chloride	5.024	41	77206	19.064	ug/l #	84
15) Acrylonitrile	5.718	53	168307	118.450	ug/l	99
16) Acetone	4.430	43	122313	105.074	ug/l	100
17) Carbon Disulfide	4.712	76	119569	15.706	ug/l #	94
18) Methyl Acetate	5.030	43	80200	28.243	ug/l	91
19) Methyl tert-butyl Ether	5.795	73	201587	21.564	ug/l	96
20) Methylene Chloride	5.283	84	64691	20.942	ug/l	95
21) trans-1,2-Dichloroethene	5.795	96	59550	19.555	ug/l	90
22) Diisopropyl ether	6.671	45	209975	22.856	ug/l #	93
23) Vinyl Acetate	6.606	43	769649	103.257	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	119302	22.459	ug/l	97
25) 2-Butanone	7.483	43	210291	111.822	ug/l	99
26) 2,2-Dichloropropane	7.494	77	109813	22.063	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	72710	20.550	ug/l	90
28) Bromochloromethane	7.818	49	40090	18.204	ug/l #	68
29) Tetrahydrofuran	7.841	42	142344	113.388	ug/l	91
30) Chloroform	7.971	83	128968	22.838	ug/l	100
31) Cyclohexane	8.259	56	98093	19.203	ug/l #	79
32) 1,1,1-Trichloroethane	8.171	97	112142	21.805	ug/l	92
36) 1,1-Dichloropropene	8.377	75	86573	20.571	ug/l	96
37) Ethyl Acetate	7.559	43	88834	23.388	ug/l	99
38) Carbon Tetrachloride	8.365	117	91879	21.578	ug/l	92
39) Methylcyclohexane	9.606	83	97366	19.846	ug/l	89
40) Benzene	8.612	78	269419	22.117	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	49916	23.091	ug/l	95
42) 1,2-Dichloroethane	8.677	62	99072	23.311	ug/l	99
43) Isopropyl Acetate	8.694	43	158222	23.818	ug/l	99
44) Trichloroethene	9.359	130	71466	22.027	ug/l	84
45) 1,2-Dichloropropane	9.624	63	71273	23.390	ug/l	96
46) Dibromomethane	9.712	93	51213	23.067	ug/l	93
47) Bromodichloromethane	9.894	83	101448	24.126	ug/l #	91
48) Methyl methacrylate	9.682	41	68975	22.315	ug/l	93
49) 1,4-Dioxane	9.700	88	27614	464.077	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	470449	123.111	ug/l	96
52) Toluene	10.635	92	165882	21.510	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	100934	21.600	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	111986	22.182	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	69365	23.386	ug/l #	91
56) Ethyl methacrylate	10.877	69	97650	21.541	ug/l	91
57) 1,3-Dichloropropane	11.165	76	115906	22.600	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.165	63	232546	102.240	ug/l #	89
59) 2-Hexanone	11.200	43	347690	114.766	ug/l	98
60) Dibromochloromethane	11.365	129	72728	23.081	ug/l	99
61) 1,2-Dibromoethane	11.471	107	72007	23.086	ug/l	100
64) Tetrachloroethene	11.106	164	67628	25.323	ug/l	89
65) Chlorobenzene	11.894	112	182206	21.515	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	65825	21.640	ug/l	99
67) Ethyl Benzene	11.965	91	317866	20.975	ug/l	98
68) m/p-Xylenes	12.076	106	242105	41.680	ug/l	95
69) o-Xylene	12.400	106	118746	20.623	ug/l	93
70) Styrene	12.412	104	194307	21.296	ug/l	97
71) Bromoform	12.582	173	43574	22.579	ug/l #	94
73) Isopropylbenzene	12.700	105	320527	20.394	ug/l	98
74) N-amyl acetate	12.494	43	124088	18.681	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	93407	21.136	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	93315m	22.863	ug/l	
77) Bromobenzene	12.982	156	70654	20.161	ug/l	79
78) n-propylbenzene	13.041	91	378539	20.922	ug/l	98
79) 2-Chlorotoluene	13.129	91	222491	20.048	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	266123	20.884	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	29748	18.760	ug/l #	81
82) 4-Chlorotoluene	13.223	91	220035	20.277	ug/l	93
83) tert-Butylbenzene	13.441	119	219312	19.904	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	263394	20.742	ug/l	97
85) sec-Butylbenzene	13.618	105	328481	21.444	ug/l	95
86) p-Isopropyltoluene	13.735	119	265933	20.901	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	134223	20.271	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	135356	20.804	ug/l	99
89) n-Butylbenzene	14.059	91	240162	21.666	ug/l	95
90) Hexachloroethane	14.335	117	45170	21.477	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	132375	20.728	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18601	20.244	ug/l	80
93) 1,2,4-Trichlorobenzene	15.394	180	70249	19.717	ug/l	97
94) Hexachlorobutadiene	15.506	225	30180	22.713	ug/l	95
95) Naphthalene	15.647	128	250136	19.159	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	73179	20.705	ug/l	96

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

