

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080480.D
 Acq On : 14 Dec 2023 12:59
 Operator : JC\MD
 Sample : VN1214WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2023
 Supervised By : Mahesh Dadoda 12/15/2023

Quant Time: Dec 15 00:25:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	319053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	495514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	440099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	206795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	236318	57.992	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.980%			
35) Dibromofluoromethane	8.171	113	176818	56.280	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.560%			
50) Toluene-d8	10.565	98	648226	55.323	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.640%			
62) 4-Bromofluorobenzene	12.847	95	231106	51.942	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.880%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	80463	19.735	ug/l	100
3) Chloromethane	2.360	50	71858	16.564	ug/l	98
4) Vinyl Chloride	2.518	62	60408	17.349	ug/l	98
5) Bromomethane	2.959	94	29407	18.732	ug/l	93
6) Chloroethane	3.124	64	38579	17.242	ug/l	94
7) Trichlorofluoromethane	3.501	101	140492	19.893	ug/l	98
8) Diethyl Ether	3.959	74	41707	18.749	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	63535	18.980	ug/l	91
10) Methyl Iodide	4.589	142	47538	16.145	ug/l	97
11) Tert butyl alcohol	5.512	59	43593	90.833	ug/l	100
12) 1,1-Dichloroethene	4.342	96	62504	18.223	ug/l	86
13) Acrolein	4.183	56	41849	79.623	ug/l	93
14) Allyl chloride	5.024	41	77018	18.149	ug/l	96
15) Acrylonitrile	5.718	53	125662	92.667	ug/l	99
16) Acetone	4.424	43	114678	158.713	ug/l	91
17) Carbon Disulfide	4.712	76	168471	17.332	ug/l	99
18) Methyl Acetate	5.018	43	89550	19.261	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	215859	18.863	ug/l	94
20) Methylene Chloride	5.277	84	70868	18.327	ug/l	100
21) trans-1,2-Dichloroethene	5.789	96	68800	18.499	ug/l #	79
22) Diisopropyl ether	6.665	45	175168	19.125	ug/l	96
23) Vinyl Acetate	6.600	43	481058	91.450	ug/l	93
24) 1,1-Dichloroethane	6.577	63	122472	19.166	ug/l	98
25) 2-Butanone	7.477	43	149821	107.635	ug/l	92
26) 2,2-Dichloropropane	7.489	77	126136	19.304	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	80377	19.093	ug/l	90
28) Bromochloromethane	7.812	49	50565	20.609	ug/l	99
29) Tetrahydrofuran	7.836	42	92310	92.612	ug/l	94
30) Chloroform	7.965	83	141214	19.908	ug/l	95
31) Cyclohexane	8.253	56	97562	17.605	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	139511	20.088	ug/l	97
36) 1,1-Dichloropropene	8.371	75	100658	19.595	ug/l	96
37) Ethyl Acetate	7.553	43	61649	19.165	ug/l	99
38) Carbon Tetrachloride	8.359	117	124761	20.326	ug/l	98
39) Methylcyclohexane	9.606	83	98173	18.396	ug/l	92
40) Benzene	8.606	78	285954	19.277	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	36616	19.744	ug/l	93
42) 1,2-Dichloroethane	8.671	62	113425	20.649	ug/l	96
43) Isopropyl Acetate	8.689	43	106631	18.436	ug/l	98
44) Trichloroethene	9.353	130	74384	18.601	ug/l	93
45) 1,2-Dichloropropane	9.618	63	68098	19.546	ug/l	100
46) Dibromomethane	9.712	93	48972	19.573	ug/l #	88
47) Bromodichloromethane	9.888	83	112429	20.967	ug/l	96
48) Methyl methacrylate	9.683	41	66561	19.284	ug/l	91
49) 1,4-Dioxane	9.694	88	18558	354.727	ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	310854	97.587	ug/l	98
52) Toluene	10.630	92	181272	19.344	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	115879	19.973	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	118948	19.182	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	70260	20.837	ug/l	97
56) Ethyl methacrylate	10.877	69	70836	18.975	ug/l	93
57) 1,3-Dichloropropane	11.165	76	119850	20.276	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	193594	82.145	ug/l	100
59) 2-Hexanone	11.194	43	231627	98.496	ug/l	97
60) Dibromochloromethane	11.359	129	82078	20.542	ug/l	99
61) 1,2-Dibromoethane	11.471	107	68528	19.637	ug/l	97
64) Tetrachloroethene	11.106	164	64973	19.121	ug/l	95
65) Chlorobenzene	11.894	112	189466	19.353	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	78120	20.336	ug/l	94
67) Ethyl Benzene	11.965	91	345894	19.215	ug/l	99
68) m/p-Xylenes	12.071	106	262366	39.442	ug/l	91
69) o-Xylene	12.400	106	124716	19.168	ug/l	90
70) Styrene	12.412	104	184126	19.646	ug/l	93
71) Bromoform	12.576	173	52344	18.685	ug/l #	100
73) Isopropylbenzene	12.694	105	332125	19.993	ug/l	98
74) N-amyl acetate	12.494	43	87278	17.991	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	84657	19.018	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	77706m	18.836	ug/l	
77) Bromobenzene	12.982	156	79720	19.508	ug/l	96
78) n-propylbenzene	13.035	91	366637	20.017	ug/l	99
79) 2-Chlorotoluene	13.124	91	234984	19.651	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	286222	20.005	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	27382	17.427	ug/l	89
82) 4-Chlorotoluene	13.224	91	238591	19.412	ug/l	96
83) tert-Butylbenzene	13.441	119	226245	19.309	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	283948	19.949	ug/l	98
85) sec-Butylbenzene	13.618	105	295641	19.724	ug/l	99
86) p-Isopropyltoluene	13.729	119	266225	19.671	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	134251	18.646	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	137535	18.923	ug/l	97
89) n-Butylbenzene	14.059	91	213683	18.906	ug/l	100
90) Hexachloroethane	14.335	117	41582	19.346	ug/l	66
91) 1,2-Dichlorobenzene	14.106	146	131880	19.289	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.718	75	18208	19.446	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	73722	19.421	ug/l	97
94) Hexachlorobutadiene	15.500	225	40475	18.729	ug/l	99
95) Naphthalene	15.641	128	214929	18.645	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	70838	19.338	ug/l	97

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

