

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080481.D
 Acq On : 14 Dec 2023 14:11
 Operator : JC\MD
 Sample : VN1214WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS02

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 00:26:15 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	236503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	377585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	339694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	158366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	169303	56.048	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.100%			
35) Dibromofluoromethane	8.165	113	127076	53.080	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.160%			
50) Toluene-d8	10.565	98	444030	49.732	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.847	95	165260	48.744	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	53002	17.537	ug/l	96
3) Chloromethane	2.359	50	52892	16.446	ug/l	97
4) Vinyl Chloride	2.512	62	42059	16.295	ug/l	92
5) Bromomethane	2.965	94	21500	18.476	ug/l	100
6) Chloroethane	3.124	64	29075	17.530	ug/l #	85
7) Trichlorofluoromethane	3.500	101	94229	18.000	ug/l	90
8) Diethyl Ether	3.959	74	31156	18.895	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.377	101	45886	18.493	ug/l	96
10) Methyl Iodide	4.589	142	35509	16.269	ug/l #	96
11) Tert butyl alcohol	5.506	59	31629	88.907	ug/l #	88
12) 1,1-Dichloroethene	4.336	96	43512	17.114	ug/l	92
13) Acrolein	4.177	56	33877	86.953	ug/l	97
14) Allyl chloride	5.024	41	54624	17.365	ug/l	95
15) Acrylonitrile	5.712	53	97036	96.534	ug/l	98
16) Acetone	4.418	43	65409	122.122	ug/l	90
17) Carbon Disulfide	4.718	76	116269	16.137	ug/l	96
18) Methyl Acetate	5.018	43	66720	19.360	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	165887	19.556	ug/l	96
20) Methylene Chloride	5.271	84	54170	18.899	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	49905	18.103	ug/l	93
22) Diisopropyl ether	6.671	45	132148	19.464	ug/l	97
23) Vinyl Acetate	6.600	43	354854	91.004	ug/l	95
24) 1,1-Dichloroethane	6.565	63	90212	19.045	ug/l	98
25) 2-Butanone	7.483	43	109290	105.922	ug/l	91
26) 2,2-Dichloropropane	7.483	77	89415	18.460	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	58106	18.621	ug/l	89
28) Bromochloromethane	7.812	49	34386	18.907	ug/l	97
29) Tetrahydrofuran	7.835	42	68475	92.678	ug/l	95
30) Chloroform	7.965	83	103574	19.699	ug/l	93
31) Cyclohexane	8.259	56	67390	16.405	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	97412	18.922	ug/l	97
36) 1,1-Dichloropropene	8.365	75	69701	17.806	ug/l	95
37) Ethyl Acetate	7.559	43	45940	18.742	ug/l	96
38) Carbon Tetrachloride	8.359	117	84093	17.979	ug/l	94
39) Methylcyclohexane	9.600	83	63439	15.601	ug/l	94
40) Benzene	8.606	78	208453	18.442	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	25506	18.049	ug/l	94
42) 1,2-Dichloroethane	8.671	62	87917	21.004	ug/l	98
43) Isopropyl Acetate	8.688	43	81638	18.523	ug/l	97
44) Trichloroethene	9.353	130	54258	17.806	ug/l	92
45) 1,2-Dichloropropane	9.624	63	49110	18.498	ug/l	95
46) Dibromomethane	9.706	93	37135	19.478	ug/l	90
47) Bromodichloromethane	9.888	83	83910	20.536	ug/l	100
48) Methyl methacrylate	9.682	41	48435	18.416	ug/l	92
49) 1,4-Dioxane	9.688	88	12970	325.345	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	233350	96.135	ug/l	99
52) Toluene	10.629	92	134088	18.778	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	85635	19.370	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	91107	19.281	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	50008	19.463	ug/l	96
56) Ethyl methacrylate	10.876	69	51974	18.271	ug/l	92
57) 1,3-Dichloropropane	11.165	76	86990	19.313	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	197035	109.717	ug/l	99
59) 2-Hexanone	11.194	43	164840	91.989	ug/l	99
60) Dibromochloromethane	11.359	129	59841	19.654	ug/l	99
61) 1,2-Dibromoethane	11.471	107	52024	19.563	ug/l	97
64) Tetrachloroethene	11.106	164	46897	17.881	ug/l	90
65) Chlorobenzene	11.894	112	138088	18.274	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	56828	19.166	ug/l	93
67) Ethyl Benzene	11.965	91	240509	17.310	ug/l	97
68) m/p-Xylenes	12.070	106	182817	35.607	ug/l	90
69) o-Xylene	12.400	106	88983	17.719	ug/l	91
70) Styrene	12.412	104	131800	18.220	ug/l	94
71) Bromoform	12.582	173	39598	18.313	ug/l #	99
73) Isopropylbenzene	12.694	105	226678	17.818	ug/l	98
74) N-amyl acetate	12.494	43	63140	16.996	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	61589	18.067	ug/l	96
76) 1,2,3-Trichloropropane	12.994	75	68877m	21.801	ug/l	
77) Bromobenzene	12.982	156	57361	18.329	ug/l	96
78) n-propylbenzene	13.035	91	246659	17.585	ug/l	100
79) 2-Chlorotoluene	13.123	91	166011	18.128	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	195116	17.808	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	21453	17.829	ug/l	91
82) 4-Chlorotoluene	13.223	91	165226	17.554	ug/l	97
83) tert-Butylbenzene	13.441	119	151861	16.924	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	197659	18.134	ug/l	97
85) sec-Butylbenzene	13.617	105	190605	16.605	ug/l	98
86) p-Isopropyltoluene	13.729	119	177289	17.106	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	96773	17.550	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	100680	18.088	ug/l	97
89) n-Butylbenzene	14.059	91	139643	16.134	ug/l	99
90) Hexachloroethane	14.335	117	28445	17.281	ug/l	70
91) 1,2-Dichlorobenzene	14.106	146	96506	18.431	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	14414	20.102	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	52325	17.999	ug/l	97
94) Hexachlorobutadiene	15.506	225	27117	16.385	ug/l	98
95) Naphthalene	15.641	128	158077	17.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	50471	17.991	ug/l	96

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

