

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122123\
 Data File : VN080567.D
 Acq On : 21 Dec 2023 12:30
 Operator : JC\MD
 Sample : VN1221WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/22/2023
 Supervised By : Mahesh Dadoda 12/22/2023

Quant Time: Dec 22 03:57:23 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	319674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	509073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	460813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	212451	52.033	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.060%			
35) Dibromofluoromethane	8.165	113	168276	52.135	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.260%			
50) Toluene-d8	10.565	98	640782	53.231	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.460%			
62) 4-Bromofluorobenzene	12.847	95	226077	49.458	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	68757	16.831	ug/l	99
3) Chloromethane	2.365	50	63842	14.651	ug/l	97
4) Vinyl Chloride	2.512	62	54133	15.516	ug/l	95
5) Bromomethane	2.959	94	27832	17.694	ug/l	96
6) Chloroethane	3.124	64	35514	15.842	ug/l	96
7) Trichlorofluoromethane	3.500	101	121341	17.148	ug/l	99
8) Diethyl Ether	3.959	74	40670	18.247	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	61046	18.201	ug/l	94
10) Methyl Iodide	4.594	142	42769	14.498	ug/l	97
11) Tert butyl alcohol	5.506	59	39883	82.941	ug/l #	86
12) 1,1-Dichloroethene	4.342	96	58664	17.071	ug/l	90
13) Acrolein	4.177	56	57235	108.686	ug/l	99
14) Allyl chloride	5.018	41	74592	17.543	ug/l	98
15) Acrylonitrile	5.718	53	132096	97.222	ug/l	98
16) Acetone	4.424	43	108994	150.553	ug/l	96
17) Carbon Disulfide	4.712	76	145880	14.979	ug/l	99
18) Methyl Acetate	5.018	43	98918	21.235	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	207659	18.112	ug/l	95
20) Methylene Chloride	5.283	84	68608	17.708	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	64602	17.337	ug/l #	82
22) Diisopropyl ether	6.665	45	178832	19.487	ug/l #	90
23) Vinyl Acetate	6.606	43	442429	83.943	ug/l #	92
24) 1,1-Dichloroethane	6.565	63	118864	18.565	ug/l	97
25) 2-Butanone	7.483	43	145751	104.508	ug/l	90
26) 2,2-Dichloropropane	7.488	77	106742	16.304	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	71770	17.016	ug/l	89
28) Bromochloromethane	7.812	49	47917	19.492	ug/l #	5
29) Tetrahydrofuran	7.841	42	89788	89.907	ug/l	91
30) Chloroform	7.965	83	125029	17.592	ug/l	96
31) Cyclohexane	8.259	56	89449	16.110	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	115196	16.555	ug/l	99
36) 1,1-Dichloropropene	8.371	75	88943	16.853	ug/l	95
37) Ethyl Acetate	7.553	43	60083	18.181	ug/l	98
38) Carbon Tetrachloride	8.359	117	104652	16.595	ug/l	98
39) Methylcyclohexane	9.606	83	82356	15.021	ug/l	91
40) Benzene	8.606	78	262579	17.230	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	32373	16.991	ug/l	95
42) 1,2-Dichloroethane	8.671	62	99148	17.569	ug/l	99
43) Isopropyl Acetate	8.688	43	102275	17.212	ug/l	97
44) Trichloroethene	9.353	130	70130	17.070	ug/l	97
45) 1,2-Dichloropropane	9.618	63	65219	18.221	ug/l	92
46) Dibromomethane	9.706	93	46900	18.246	ug/l	93
47) Bromodichloromethane	9.888	83	101681	18.457	ug/l	99
48) Methyl methacrylate	9.676	41	62939	17.749	ug/l	91
49) 1,4-Dioxane	9.688	88	18982	353.168	ug/l #	90
51) 4-Methyl-2-Pentanone	10.447	43	312338	95.441	ug/l	100
52) Toluene	10.629	92	173750	18.047	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	104594	17.548	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	113370	17.795	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	68080	19.653	ug/l	94
56) Ethyl methacrylate	10.871	69	70696	18.433	ug/l #	90
57) 1,3-Dichloropropane	11.165	76	112817	18.578	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	197584	81.605	ug/l	96
59) 2-Hexanone	11.194	43	227317	94.089	ug/l	99
60) Dibromochloromethane	11.359	129	76346	18.599	ug/l	100
61) 1,2-Dibromoethane	11.470	107	64559	18.006	ug/l	95
64) Tetrachloroethene	11.100	164	58066	16.320	ug/l	95
65) Chlorobenzene	11.894	112	176173	17.186	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	71584	17.797	ug/l	95
67) Ethyl Benzene	11.965	91	314223	16.671	ug/l	99
68) m/p-Xylenes	12.070	106	234978	33.737	ug/l	92
69) o-Xylene	12.400	106	113122	16.605	ug/l	92
70) Styrene	12.412	104	167493	17.068	ug/l	96
71) Bromoform	12.576	173	49751	16.961	ug/l #	99
73) Isopropylbenzene	12.694	105	286112	17.142	ug/l	98
74) N-amyl acetate	12.494	43	84911	17.421	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	83198	18.602	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	75075m	18.112	ug/l	
77) Bromobenzene	12.976	156	71837	17.496	ug/l	97
78) n-propylbenzene	13.035	91	324491	17.633	ug/l	99
79) 2-Chlorotoluene	13.123	91	210467	17.518	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	247333	17.206	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	26396m	16.720	ug/l	
82) 4-Chlorotoluene	13.223	91	209157	16.937	ug/l	98
83) tert-Butylbenzene	13.441	119	197608	16.785	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	248498	17.377	ug/l	98
85) sec-Butylbenzene	13.617	105	253745	16.849	ug/l	99
86) p-Isopropyltoluene	13.729	119	225626	16.593	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	123052	17.010	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	122072	16.717	ug/l	96
89) n-Butylbenzene	14.059	91	185389	16.326	ug/l	100
90) Hexachloroethane	14.335	117	35833	16.593	ug/l	77
91) 1,2-Dichlorobenzene	14.106	146	120740	17.577	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15706	16.695	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	64727	16.971	ug/l	97
94) Hexachlorobutadiene	15.500	225	32561	14.996	ug/l	96
95) Naphthalene	15.641	128	192798	16.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	61279	16.650	ug/l	98

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

