

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122123\
 Data File : VN080574.D
 Acq On : 21 Dec 2023 15:27
 Operator : JC\MD
 Sample : VN1221WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Dec 22 04:01:07 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	350503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	584095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	500081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	237855	53.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.260%			
35) Dibromofluoromethane	8.165	113	199087	53.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.520%			
50) Toluene-d8	10.565	98	721357	52.228	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.460%			
62) 4-Bromofluorobenzene	12.847	95	252178	48.083	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	69586	15.536	ug/l	95
3) Chloromethane	2.359	50	74049	15.518	ug/l	97
4) Vinyl Chloride	2.518	62	62829	16.425	ug/l	94
5) Bromomethane	2.954	94	28561	16.561	ug/l	88
6) Chloroethane	3.118	64	41579	16.916	ug/l	94
7) Trichlorofluoromethane	3.495	101	122592	15.801	ug/l	93
8) Diethyl Ether	3.954	74	42600	17.432	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	63809	17.352	ug/l	94
10) Methyl Iodide	4.589	142	46808	14.471	ug/l	96
11) Tert butyl alcohol	5.518	59	50793	96.338	ug/l	99
12) 1,1-Dichloroethene	4.342	96	65003	17.251	ug/l	95
13) Acrolein	4.177	56	62315	107.924	ug/l	97
14) Allyl chloride	5.018	41	84072	18.034	ug/l	97
15) Acrylonitrile	5.712	53	150476	101.009	ug/l	98
16) Acetone	4.424	43	96445	121.502	ug/l	97
17) Carbon Disulfide	4.706	76	161550	15.129	ug/l	100
18) Methyl Acetate	5.018	43	114924	22.501	ug/l	94
19) Methyl tert-butyl Ether	5.795	73	231783	18.438	ug/l	99
20) Methylene Chloride	5.271	84	76671	18.049	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	70013	17.136	ug/l	86
22) Diisopropyl ether	6.671	45	204035	20.278	ug/l	93
23) Vinyl Acetate	6.600	43	519403	89.879	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	132270	18.842	ug/l	98
25) 2-Butanone	7.477	43	171161	111.933	ug/l	95
26) 2,2-Dichloropropane	7.489	77	118753	16.543	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	85331	18.451	ug/l	91
28) Bromochloromethane	7.812	49	56752	21.055	ug/l	94
29) Tetrahydrofuran	7.836	42	112879	103.087	ug/l	90
30) Chloroform	7.965	83	142325	18.265	ug/l	98
31) Cyclohexane	8.259	56	99329	16.316	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	127136	16.664	ug/l	98
36) 1,1-Dichloropropene	8.371	75	99354	16.408	ug/l	97
37) Ethyl Acetate	7.553	43	71310	18.806	ug/l	98
38) Carbon Tetrachloride	8.359	117	110736	15.305	ug/l	99
39) Methylcyclohexane	9.600	83	92061	14.635	ug/l	90
40) Benzene	8.606	78	301560	17.246	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	43499	19.899	ug/l	92
42) 1,2-Dichloroethane	8.671	62	108061	16.689	ug/l	99
43) Isopropyl Acetate	8.688	43	129316	18.967	ug/l	98
44) Trichloroethene	9.347	130	75599	16.038	ug/l	99
45) 1,2-Dichloropropane	9.618	63	75948	18.493	ug/l	96
46) Dibromomethane	9.712	93	51769	17.553	ug/l	93
47) Bromodichloromethane	9.888	83	109240	17.283	ug/l	98
48) Methyl methacrylate	9.677	41	72032	17.704	ug/l	85
49) 1,4-Dioxane	9.694	88	22550	365.664	ug/l	89
51) 4-Methyl-2-Pentanone	10.447	43	371551	98.952	ug/l	99
52) Toluene	10.630	92	188045	17.024	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	115119	16.833	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	125440	17.161	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	73456	18.481	ug/l	98
56) Ethyl methacrylate	10.877	69	77225	17.549	ug/l #	90
57) 1,3-Dichloropropane	11.165	76	126173	18.109	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	228183	82.138	ug/l	95
59) 2-Hexanone	11.194	43	264636	95.467	ug/l	99
60) Dibromochloromethane	11.359	129	81179	17.236	ug/l	99
61) 1,2-Dibromoethane	11.471	107	71601	17.406	ug/l	98
64) Tetrachloroethene	11.106	164	60873	15.766	ug/l	97
65) Chlorobenzene	11.894	112	191861	17.247	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	72608	16.634	ug/l	96
67) Ethyl Benzene	11.965	91	328246	16.047	ug/l	100
68) m/p-Xylenes	12.071	106	256855	33.982	ug/l	93
69) o-Xylene	12.400	106	124298	16.813	ug/l	92
70) Styrene	12.412	104	184473	17.323	ug/l	96
71) Bromoform	12.576	173	52338	16.442	ug/l #	99
73) Isopropylbenzene	12.694	105	315497	17.512	ug/l	99
74) N-amyl acetate	12.494	43	103491	19.671	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	95702	19.824	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	81554m	18.228	ug/l	
77) Bromobenzene	12.982	156	77645	17.520	ug/l	100
78) n-propylbenzene	13.035	91	338930	17.063	ug/l	98
79) 2-Chlorotoluene	13.123	91	227439	17.538	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	262575	16.923	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	30029	17.623	ug/l #	87
82) 4-Chlorotoluene	13.223	91	233229	17.497	ug/l	96
83) tert-Butylbenzene	13.441	119	217606	17.125	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	267057	17.301	ug/l	99
85) sec-Butylbenzene	13.618	105	275535	16.951	ug/l	100
86) p-Isopropyltoluene	13.729	119	246182	16.773	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	128849	16.501	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	132447	16.803	ug/l	95
89) n-Butylbenzene	14.059	91	201537	16.443	ug/l	99
90) Hexachloroethane	14.335	117	38502	16.518	ug/l	76
91) 1,2-Dichlorobenzene	14.106	146	127204	17.156	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	18020	17.746	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	71033	17.254	ug/l	97
94) Hexachlorobutadiene	15.500	225	35578	15.180	ug/l	98
95) Naphthalene	15.641	128	227159	18.171	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	66235	16.673	ug/l	95

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

