

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121223\
 Data File : VN080442.D
 Acq On : 12 Dec 2023 17:03
 Operator : JC\MD
 Sample : VN1212WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2023
 Supervised By : Mahesh Dadoda 12/13/2023

Quant Time: Dec 13 02:34:05 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	287264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	456897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	406068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	191605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	194774	53.086	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.180%			
35) Dibromofluoromethane	8.165	113	149340	51.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.100%			
50) Toluene-d8	10.565	98	549399	50.852	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.700%			
62) 4-Bromofluorobenzene	12.847	95	201843	49.199	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.400%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	67678	18.436	ug/l	100
3) Chloromethane	2.359	50	70746	18.141	ug/l	93
4) Vinyl Chloride	2.512	62	55875	17.823	ug/l	99
5) Bromomethane	2.959	94	28658	20.275	ug/l	86
6) Chloroethane	3.124	64	35505	17.624	ug/l	95
7) Trichlorofluoromethane	3.495	101	119617	18.812	ug/l	94
8) Diethyl Ether	3.959	74	37462	18.704	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.377	101	56951	18.896	ug/l	95
10) Methyl Iodide	4.589	142	45738	17.253	ug/l #	83
11) Tert butyl alcohol	5.512	59	42018	97.239	ug/l	98
12) 1,1-Dichloroethene	4.342	96	55225	17.883	ug/l	90
13) Acrolein	4.171	56	36020	76.117	ug/l	98
14) Allyl chloride	5.018	41	69483	18.185	ug/l	96
15) Acrylonitrile	5.712	53	124272	101.783	ug/l	99
16) Acetone	4.424	43	77989	119.880	ug/l	90
17) Carbon Disulfide	4.712	76	150857	17.237	ug/l	98
18) Methyl Acetate	5.018	43	84777	20.253	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	200755	19.485	ug/l	98
20) Methylene Chloride	5.277	84	64171	18.432	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	61240	18.289	ug/l	86
22) Diisopropyl ether	6.671	45	160700	19.487	ug/l	96
23) Vinyl Acetate	6.600	43	451404	95.309	ug/l	95
24) 1,1-Dichloroethane	6.571	63	109884	19.099	ug/l	98
25) 2-Butanone	7.483	43	136607	109.002	ug/l	95
26) 2,2-Dichloropropane	7.489	77	108515	18.445	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	70347	18.560	ug/l	90
28) Bromochloromethane	7.818	49	44030	19.932	ug/l	98
29) Tetrahydrofuran	7.836	42	89966	100.249	ug/l	96
30) Chloroform	7.965	83	122411	19.167	ug/l	98
31) Cyclohexane	8.259	56	89544	17.947	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	118696	18.982	ug/l	95
36) 1,1-Dichloropropene	8.371	75	88424	18.668	ug/l	97
37) Ethyl Acetate	7.559	43	58838	19.837	ug/l	98
38) Carbon Tetrachloride	8.365	117	105620	18.662	ug/l	95
39) Methylcyclohexane	9.600	83	88653	18.017	ug/l	93
40) Benzene	8.606	78	256511	18.754	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	33018	19.309	ug/l	96
42) 1,2-Dichloroethane	8.671	62	99479	19.640	ug/l	99
43) Isopropyl Acetate	8.688	43	103132	19.338	ug/l	96
44) Trichloroethene	9.353	130	69532	18.857	ug/l	99
45) 1,2-Dichloropropane	9.624	63	59939	18.658	ug/l	93
46) Dibromomethane	9.712	93	44340	19.220	ug/l	91
47) Bromodichloromethane	9.888	83	93469	18.904	ug/l	96
48) Methyl methacrylate	9.677	41	60367	18.968	ug/l	91
49) 1,4-Dioxane	9.700	88	17262	357.843	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	293131	99.800	ug/l	100
52) Toluene	10.629	92	164886	19.083	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	101187	18.915	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	107327	18.770	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	61276	19.709	ug/l	95
56) Ethyl methacrylate	10.877	69	67846	19.710	ug/l	92
57) 1,3-Dichloropropane	11.165	76	106115	19.470	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	225009	103.544	ug/l	99
59) 2-Hexanone	11.194	43	216080	99.651	ug/l	98
60) Dibromochloromethane	11.365	129	69836	18.956	ug/l	99
61) 1,2-Dibromoethane	11.471	107	61484	19.107	ug/l	98
64) Tetrachloroethene	11.106	164	59605	19.011	ug/l	94
65) Chlorobenzene	11.894	112	169759	18.793	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	67597	19.071	ug/l	95
67) Ethyl Benzene	11.965	91	309785	18.651	ug/l	98
68) m/p-Xylenes	12.071	106	231226	37.674	ug/l	90
69) o-Xylene	12.394	106	111078	18.503	ug/l	88
70) Styrene	12.412	104	165665	19.158	ug/l	95
71) Bromoform	12.582	173	46558	18.013	ug/l #	99
73) Isopropylbenzene	12.694	105	287832	18.700	ug/l	98
74) N-amyl acetate	12.494	43	86664	19.281	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	76553	18.560	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	73612m	19.258	ug/l	
77) Bromobenzene	12.982	156	72313	19.098	ug/l	94
78) n-propylbenzene	13.035	91	314543	18.534	ug/l	99
79) 2-Chlorotoluene	13.123	91	203775	18.392	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	249517	18.822	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	27108	18.620	ug/l #	84
82) 4-Chlorotoluene	13.223	91	205062	18.006	ug/l	97
83) tert-Butylbenzene	13.441	119	202457	18.648	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	246866	18.719	ug/l	96
85) sec-Butylbenzene	13.618	105	251859	18.135	ug/l	100
86) p-Isopropyltoluene	13.729	119	226555	18.067	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	121656	18.236	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	121648	18.064	ug/l	96
89) n-Butylbenzene	14.059	91	182704	17.447	ug/l	98
90) Hexachloroethane	14.335	117	35223	17.687	ug/l	67
91) 1,2-Dichlorobenzene	14.106	146	116915	18.456	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18142	20.912	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	64708	18.397	ug/l	97
94) Hexachlorobutadiene	15.506	225	33164	16.562	ug/l	99
95) Naphthalene	15.641	128	200141	18.739	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	61949	18.252	ug/l	99

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

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