

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112123\
 Data File : VN080229.D
 Acq On : 21 Nov 2023 14:05
 Operator : JC\MD
 Sample : VN1121WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2023
 Supervised By : Mahesh Dadoda 11/22/2023

Quant Time: Nov 22 00:06:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	195794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	162377	50.227	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.460%			
35) Dibromofluoromethane	8.165	113	113815	51.275	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.560%			
50) Toluene-d8	10.565	98	401540	50.183	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.360%			
62) 4-Bromofluorobenzene	12.847	95	151365	50.083	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	57485	19.710	ug/l	100
3) Chloromethane	2.365	50	34050	15.529	ug/l	99
4) Vinyl Chloride	2.518	62	39093	16.847	ug/l	98
5) Bromomethane	2.959	94	28838	18.307	ug/l	96
6) Chloroethane	3.124	64	25768	16.835	ug/l	97
7) Trichlorofluoromethane	3.500	101	96427	19.920	ug/l	97
8) Diethyl Ether	3.959	74	25710	18.263	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	41659	18.829	ug/l	95
10) Methyl Iodide	4.594	142	44867	18.764	ug/l #	86
11) Tert butyl alcohol	5.512	59	29090	81.825	ug/l	99
12) 1,1-Dichloroethene	4.347	96	37362	18.054	ug/l	90
13) Acrolein	4.177	56	26996	85.803	ug/l	99
14) Allyl chloride	5.030	41	42828	16.450	ug/l #	85
15) Acrylonitrile	5.712	53	81715	85.620	ug/l	97
16) Acetone	4.424	43	77445	71.322	ug/l	93
17) Carbon Disulfide	4.712	76	98402	15.925	ug/l	95
18) Methyl Acetate	5.024	43	59405	17.027	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	141544	19.368	ug/l	96
20) Methylene Chloride	5.277	84	43820	19.271	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	40860	17.973	ug/l	86
22) Diisopropyl ether	6.671	45	105784	18.364	ug/l	94
23) Vinyl Acetate	6.606	43	309324	89.321	ug/l	98
24) 1,1-Dichloroethane	6.565	63	75316	17.952	ug/l	95
25) 2-Butanone	7.482	43	98905	76.664	ug/l	93
26) 2,2-Dichloropropane	7.494	77	80881	19.431	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	47187	18.307	ug/l	86
28) Bromochloromethane	7.818	49	30411	18.438	ug/l	97
29) Tetrahydrofuran	7.841	42	60682	87.611	ug/l	94
30) Chloroform	7.965	83	94722	20.199	ug/l	99
31) Cyclohexane	8.259	56	58837	16.735	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	92803	20.293	ug/l	99
36) 1,1-Dichloropropene	8.371	75	63338	19.709	ug/l	94
37) Ethyl Acetate	7.559	43	38765	17.390	ug/l	97
38) Carbon Tetrachloride	8.365	117	86127	21.119	ug/l	100
39) Methylcyclohexane	9.600	83	56414	18.206	ug/l	93
40) Benzene	8.606	78	175004	19.160	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	22416	18.311	ug/l #	89
42) 1,2-Dichloroethane	8.671	62	81341	21.768	ug/l	92
43) Isopropyl Acetate	8.688	43	74544	17.185	ug/l	97
44) Trichloroethene	9.353	130	46075	19.231	ug/l	98
45) 1,2-Dichloropropane	9.624	63	40021	18.855	ug/l	92
46) Dibromomethane	9.712	93	32961	20.514	ug/l	91
47) Bromodichloromethane	9.888	83	72590	20.538	ug/l	98
48) Methyl methacrylate	9.682	41	41944	18.763	ug/l	92
49) 1,4-Dioxane	9.700	88	13186	354.566	ug/l #	91
51) 4-Methyl-2-Pentanone	10.447	43	204447	91.036	ug/l	98
52) Toluene	10.629	92	114206	19.980	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	72892	20.073	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	75283	20.292	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	44490	20.393	ug/l	94
56) Ethyl methacrylate	10.876	69	44649	20.033	ug/l	94
57) 1,3-Dichloropropane	11.165	76	74847	19.650	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	118273	94.197	ug/l	99
59) 2-Hexanone	11.194	43	153706	85.174	ug/l	95
60) Dibromochloromethane	11.359	129	56763	21.733	ug/l	99
61) 1,2-Dibromoethane	11.470	107	44156	19.840	ug/l	98
64) Tetrachloroethene	11.106	164	43849	20.858	ug/l	93
65) Chlorobenzene	11.894	112	118677	19.013	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	51743	21.362	ug/l	94
67) Ethyl Benzene	11.965	91	217159	19.551	ug/l	97
68) m/p-Xylenes	12.070	106	163066	40.266	ug/l	89
69) o-Xylene	12.400	106	78337	20.526	ug/l	90
70) Styrene	12.412	104	114447	20.147	ug/l #	92
71) Bromoform	12.576	173	37168	20.691	ug/l #	100
73) Isopropylbenzene	12.700	105	207070	20.157	ug/l	100
74) N-amyl acetate	12.494	43	58373	18.221	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	55989	18.210	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	55125m	17.019	ug/l	
77) Bromobenzene	12.982	156	51388	19.841	ug/l	94
78) n-propylbenzene	13.035	91	229120	19.945	ug/l	99
79) 2-Chlorotoluene	13.129	91	150901	20.226	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	179009	20.018	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	17106	17.843	ug/l #	81
82) 4-Chlorotoluene	13.223	91	152373	19.935	ug/l	94
83) tert-Butylbenzene	13.441	119	141853	19.781	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	179986	20.441	ug/l	97
85) sec-Butylbenzene	13.617	105	179604	19.798	ug/l	98
86) p-Isopropyltoluene	13.729	119	164723	20.327	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	90891	19.478	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	89347	19.053	ug/l	96
89) n-Butylbenzene	14.059	91	129473	19.088	ug/l	99
90) Hexachloroethane	14.335	117	29621	18.749	ug/l	61
91) 1,2-Dichlorobenzene	14.106	146	88427	19.803	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13241	18.541	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	46102	17.751	ug/l	98
94) Hexachlorobutadiene	15.500	225	26929	18.018	ug/l	99
95) Naphthalene	15.641	128	119620	15.884	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	42580	17.492	ug/l	97

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

