

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081709.D
 Acq On : 12 Apr 2024 11:31
 Operator : JC\MD
 Sample : VN0412WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/15/2024
 Supervised By :Mahesh Dadoda 04/15/2024

Quant Time: Apr 13 06:52:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	264535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	453149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	428143	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	211821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	184628	54.728	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.460%			
35) Dibromofluoromethane	8.165	113	154971	54.189	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.380%			
50) Toluene-d8	10.571	98	529960	51.264	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.520%			
62) 4-Bromofluorobenzene	12.853	95	203903	55.976	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 111.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	70976	19.926	ug/l	97
3) Chloromethane	2.359	50	73775	20.803	ug/l	99
4) Vinyl Chloride	2.512	62	66456	16.697	ug/l	91
5) Bromomethane	2.959	94	47732	16.958	ug/l	97
6) Chloroethane	3.124	64	43505	15.920	ug/l	99
7) Trichlorofluoromethane	3.500	101	127377	21.474	ug/l	86
8) Diethyl Ether	3.965	74	37784	19.247	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.377	101	71962	21.351	ug/l	91
10) Methyl Iodide	4.589	142	51621	15.380	ug/l	# 93
11) Tert butyl alcohol	5.512	59	54693	93.032	ug/l	# 87
12) 1,1-Dichloroethene	4.342	96	62803	20.117	ug/l	98
13) Acrolein	4.177	56	71824	136.150	ug/l	95
14) Allyl chloride	5.018	41	76140	19.463	ug/l	# 81
15) Acrylonitrile	5.718	53	161551	102.717	ug/l	98
16) Acetone	4.424	43	108585	99.597	ug/l	96
17) Carbon Disulfide	4.712	76	182513	20.372	ug/l	96
18) Methyl Acetate	5.024	43	63943	19.024	ug/l	# 84
19) Methyl tert-butyl Ether	5.794	73	208673	21.358	ug/l	# 88
20) Methylene Chloride	5.277	84	76444	21.405	ug/l	# 80
21) trans-1,2-Dichloroethene	5.783	96	71263	20.472	ug/l	87
22) Diisopropyl ether	6.671	45	191253	21.041	ug/l	# 91
23) Vinyl Acetate	6.606	43	773134	106.858	ug/l	# 87
24) 1,1-Dichloroethane	6.565	63	130006	21.354	ug/l	98
25) 2-Butanone	7.488	43	188762	100.943	ug/l	92
26) 2,2-Dichloropropane	7.494	77	122747	23.246	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	85548	21.721	ug/l	85
28) Bromochloromethane	7.812	49	52137	21.025	ug/l	# 55
29) Tetrahydrofuran	7.835	42	131058	104.035	ug/l	# 80
30) Chloroform	7.965	83	152005	23.323	ug/l	93
31) Cyclohexane	8.265	56	103745	18.898	ug/l	# 67
32) 1,1,1-Trichloroethane	8.171	97	133060	22.503	ug/l	# 90
36) 1,1-Dichloropropene	8.371	75	95587	19.861	ug/l	95
37) Ethyl Acetate	7.559	43	85659	20.785	ug/l	98
38) Carbon Tetrachloride	8.365	117	115620	21.930	ug/l	98
39) Methylcyclohexane	9.606	83	111023	20.657	ug/l	# 85
40) Benzene	8.606	78	314008	22.317	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	44189	20.275	ug/l #	90
42) 1,2-Dichloroethane	8.671	62	108400	21.891	ug/l	100
43) Isopropyl Acetate	8.688	43	138279	20.242	ug/l #	89
44) Trichloroethene	9.353	130	77905	19.686	ug/l	94
45) 1,2-Dichloropropane	9.624	63	74081	21.724	ug/l	96
46) Dibromomethane	9.706	93	58322	22.521	ug/l #	89
47) Bromodichloromethane	9.888	83	121793	24.055	ug/l #	92
48) Methyl methacrylate	9.682	41	64231	20.385	ug/l #	84
49) 1,4-Dioxane	9.694	88	31469	415.597	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	443358	106.362	ug/l	92
52) Toluene	10.635	92	200219	22.388	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	109180	19.970	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	121115	20.662	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	75190	20.892	ug/l	94
56) Ethyl methacrylate	10.876	69	105434	21.235	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	126268	21.401	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	259018	114.375	ug/l #	84
59) 2-Hexanone	11.200	43	325142	105.502	ug/l	92
60) Dibromochloromethane	11.359	129	92464	23.361	ug/l	99
61) 1,2-Dibromoethane	11.470	107	80216	21.861	ug/l	99
64) Tetrachloroethene	11.106	164	89141	21.781	ug/l	90
65) Chlorobenzene	11.894	112	223261	22.058	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	79304	21.141	ug/l	98
67) Ethyl Benzene	11.965	91	367861	20.923	ug/l	98
68) m/p-Xylenes	12.070	106	285031	43.245	ug/l	97
69) o-Xylene	12.400	106	140196	21.667	ug/l	88
70) Styrene	12.412	104	234707	22.491	ug/l	97
71) Bromoform	12.582	173	59910	21.253	ug/l #	100
73) Isopropylbenzene	12.694	105	353194	19.561	ug/l	96
74) N-amyl acetate	12.500	43	123197	18.854	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	102102	19.233	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	99622m	19.662	ug/l	
77) Bromobenzene	12.982	156	88565	19.856	ug/l	71
78) n-propylbenzene	13.035	91	425123	19.937	ug/l	96
79) 2-Chlorotoluene	13.123	91	258305	20.240	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	304285	20.404	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	35696	19.038	ug/l #	81
82) 4-Chlorotoluene	13.223	91	255466	20.304	ug/l	93
83) tert-Butylbenzene	13.441	119	250168	19.453	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	314138	20.958	ug/l	94
85) sec-Butylbenzene	13.617	105	374868	20.391	ug/l	95
86) p-Isopropyltoluene	13.729	119	306539	20.398	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	167430	20.431	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	167168	19.701	ug/l	98
89) n-Butylbenzene	14.059	91	259952	19.507	ug/l	94
90) Hexachloroethane	14.335	117	60260	21.173	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	164396	20.843	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	21431	18.969	ug/l	76
93) 1,2,4-Trichlorobenzene	15.394	180	80622	17.678	ug/l	99
94) Hexachlorobutadiene	15.506	225	33091	16.537	ug/l	95
95) Naphthalene	15.647	128	261752	17.712	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	82686	18.025	ug/l	99

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

