

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082044.D
 Acq On : 09 May 2024 12:34
 Operator : JC\MD
 Sample : VN0509WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

Quant Time: May 10 03:49:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	130602	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	267612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	239098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94806	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122974	55.790	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.580%	
35) Dibromofluoromethane	8.165	113	84551	52.475	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.960%	
50) Toluene-d8	10.571	98	347745	54.953	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.900%	
62) 4-Bromofluorobenzene	12.853	95	116400	46.532	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 93.060%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.124	85	35693	19.469	ug/l	96
3) Chloromethane	2.359	50	40172	21.004	ug/l	97
4) Vinyl Chloride	2.518	62	40530	23.410	ug/l	95
5) Bromomethane	2.965	94	18933	22.930	ug/l	100
6) Chloroethane	3.124	64	23953	27.374	ug/l	# 86
7) Trichlorofluoromethane	3.495	101	49589	18.516	ug/l	94
8) Diethyl Ether	3.971	74	25635	22.533	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.377	101	34732	22.338	ug/l	90
10) Methyl Iodide	4.589	142	28545	20.960	ug/l	# 93
11) Tert butyl alcohol	5.512	59	38947	97.196	ug/l	96
12) 1,1-Dichloroethene	4.342	96	32414	20.491	ug/l	83
13) Acrolein	4.183	56	31628	96.691	ug/l	94
14) Allyl chloride	5.018	41	62110	18.563	ug/l	# 88
15) Acrylonitrile	5.718	53	107247	111.461	ug/l	98
16) Acetone	4.424	43	76935	115.082	ug/l	97
17) Carbon Disulfide	4.712	76	84827	17.842	ug/l	99
18) Methyl Acetate	5.024	43	58997	26.425	ug/l	# 89
19) Methyl tert-butyl Ether	5.794	73	126654	21.219	ug/l	94
20) Methylene Chloride	5.271	84	41596	22.020	ug/l	# 83
21) trans-1,2-Dichloroethene	5.783	96	35310	20.473	ug/l	88
22) Diisopropyl ether	6.671	45	150824	23.295	ug/l	# 92
23) Vinyl Acetate	6.600	43	572922	108.905	ug/l	# 92
24) 1,1-Dichloroethane	6.565	63	75003	22.256	ug/l	97
25) 2-Butanone	7.483	43	141147	112.822	ug/l	93
26) 2,2-Dichloropropane	7.494	77	59835	19.301	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	43551	21.609	ug/l	84
28) Bromochloromethane	7.806	49	42709	26.665	ug/l	# 74
29) Tetrahydrofuran	7.836	42	97132	108.268	ug/l	87
30) Chloroform	7.965	83	70988	21.252	ug/l	100
31) Cyclohexane	8.259	56	67174	20.230	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	54787	18.392	ug/l	94
36) 1,1-Dichloropropene	8.371	75	50569	19.291	ug/l	95
37) Ethyl Acetate	7.559	43	58934	20.794	ug/l	98
38) Carbon Tetrachloride	8.365	117	44864	17.512	ug/l	95
39) Methylcyclohexane	9.600	83	59667	18.742	ug/l	90
40) Benzene	8.606	78	167639	21.304	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	33504	18.526	ug/l	93
42) 1,2-Dichloroethane	8.671	62	57831	19.791	ug/l	97
43) Isopropyl Acetate	8.688	43	108838	20.423	ug/l #	92
44) Trichloroethene	9.359	130	31492	17.358	ug/l	93
45) 1,2-Dichloropropane	9.630	63	45005	21.853	ug/l	93
46) Dibromomethane	9.712	93	26273	18.458	ug/l	85
47) Bromodichloromethane	9.888	83	55923	18.629	ug/l #	96
48) Methyl methacrylate	9.677	41	47784	18.783	ug/l	90
49) 1,4-Dioxane	9.694	88	15114	390.878	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	318617	106.207	ug/l	95
52) Toluene	10.629	92	96940	20.571	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	62092	19.010	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	68284	20.284	ug/l #	87
55) 1,1,2-Trichloroethane	11.018	97	39885	21.521	ug/l	99
56) Ethyl methacrylate	10.877	69	68073	19.289	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	70771	21.479	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	197589	122.904	ug/l #	86
59) 2-Hexanone	11.194	43	236597	105.974	ug/l	92
60) Dibromochloromethane	11.359	129	38059	19.389	ug/l	98
61) 1,2-Dibromoethane	11.471	107	34799	19.635	ug/l	100
64) Tetrachloroethene	11.100	164	27669	15.933	ug/l	94
65) Chlorobenzene	11.894	112	100400	19.229	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	30771	18.133	ug/l	95
67) Ethyl Benzene	11.965	91	182139	18.757	ug/l	95
68) m/p-Xylenes	12.076	106	136510	39.412	ug/l	98
69) o-Xylene	12.400	106	66196	19.576	ug/l	95
70) Styrene	12.412	104	111393	19.042	ug/l	96
71) Bromoform	12.576	173	21437	16.069	ug/l #	97
73) Isopropylbenzene	12.694	105	165459	19.629	ug/l	98
74) N-amyl acetate	12.494	43	96013	20.459	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.935	83	54921	21.697	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	48705m	19.814	ug/l	
77) Bromobenzene	12.982	156	33574	19.034	ug/l	61
78) n-propylbenzene	13.035	91	204259	19.950	ug/l	95
79) 2-Chlorotoluene	13.129	91	121174	18.602	ug/l	92
80) 1,3,5-Trimethylbenzene	13.170	105	133364	18.697	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	21495	17.919	ug/l	88
82) 4-Chlorotoluene	13.223	91	122355	19.347	ug/l	88
83) tert-Butylbenzene	13.441	119	114351	19.251	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	135519	19.025	ug/l	100
85) sec-Butylbenzene	13.618	105	170477	20.375	ug/l	94
86) p-Isopropyltoluene	13.729	119	130525	19.429	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	63483	19.289	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	65819	20.308	ug/l	94
89) n-Butylbenzene	14.059	91	124907	19.974	ug/l	98
90) Hexachloroethane	14.335	117	24443	18.495	ug/l	84
91) 1,2-Dichlorobenzene	14.106	146	62043	19.664	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10769	17.475	ug/l	78
93) 1,2,4-Trichlorobenzene	15.400	180	30681	17.382	ug/l	97
94) Hexachlorobutadiene	15.506	225	11411	17.539	ug/l	96
95) Naphthalene	15.641	128	121837	18.267	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	31387	18.520	ug/l	95

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

