

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
 Data File : VN078916.D
 Acq On : 16 Aug 2023 20:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Aug 17 01:23:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	224510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	383356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	342216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	152935	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	156527	44.804	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.600%
35) Dibromofluoromethane	8.171	113	122860	47.610	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.220%
50) Toluene-d8	10.571	98	453327	47.311	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.620%
62) 4-Bromofluorobenzene	12.853	95	156057	49.828	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.660%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.130	85	150649	48.360	ug/l	100
3) Chloromethane	2.365	50	173002	39.776	ug/l	98
4) Vinyl Chloride	2.512	62	167566	43.930	ug/l	99
5) Bromomethane	2.936	94	88850	40.571	ug/l	94
6) Chloroethane	3.112	64	103850	38.946	ug/l	99
7) Trichlorofluoromethane	3.495	101	228117	49.101	ug/l	97
8) Diethyl Ether	3.965	74	90403	51.328	ug/l	61
9) 1,1,2-Trichlorotrifluo...	4.371	101	116785	47.198	ug/l	97
10) Methyl Iodide	4.589	142	149911	54.150	ug/l	97
11) Tert butyl alcohol	5.530	59	138916	236.967	ug/l	98
12) 1,1-Dichloroethene	4.342	96	119507	49.582	ug/l	# 80
13) Acrolein	4.183	56	121238	Below Cal		95
14) Allyl chloride	5.024	41	239858	50.000	ug/l	# 87
15) Acrylonitrile	5.724	53	407043	256.305	ug/l	99
16) Acetone	4.430	43	348010	241.422	ug/l	92
17) Carbon Disulfide	4.712	76	308543	45.731	ug/l	99
18) Methyl Acetate	5.030	43	319489	52.465	ug/l	# 79
19) Methyl tert-butyl Ether	5.800	73	464804	53.534	ug/l	93
20) Methylene Chloride	5.277	84	145785	47.457	ug/l	# 78
21) trans-1,2-Dichloroethene	5.789	96	133261	49.305	ug/l	# 77
22) Diisopropyl ether	6.677	45	532445	52.465	ug/l	# 89
23) Vinyl Acetate	6.612	43	1744230	261.027	ug/l	# 85
24) 1,1-Dichloroethane	6.571	63	274200	49.458	ug/l	97
25) 2-Butanone	7.488	43	570267	246.750	ug/l	# 79
26) 2,2-Dichloropropane	7.494	77	176234	39.326	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	163471	49.761	ug/l	89
28) Bromochloromethane	7.812	49	153996	52.362	ug/l	# 75
29) Tetrahydrofuran	7.841	42	396628	259.282	ug/l	# 70
30) Chloroform	7.971	83	273690	49.413	ug/l	95
31) Cyclohexane	8.265	56	208108	47.641	ug/l	# 82
32) 1,1,1-Trichloroethane	8.171	97	242828	51.416	ug/l	96
36) 1,1-Dichloropropene	8.377	75	198070	51.025	ug/l	96
37) Ethyl Acetate	7.565	43	243971	56.173	ug/l	# 89
38) Carbon Tetrachloride	8.365	117	203624	52.352	ug/l	99
39) Methylcyclohexane	9.606	83	180020	50.424	ug/l	# 85
40) Benzene	8.612	78	598213	52.138	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.783	41	134553	56.883	ug/l	#	80
42) 1,2-Dichloroethane	8.677	62	228656	53.342	ug/l		98
43) Isopropyl Acetate	8.694	43	454328	59.184	ug/l	#	83
44) Trichloroethene	9.359	130	148547	54.487	ug/l		95
45) 1,2-Dichloropropane	9.624	63	161687	52.929	ug/l		100
46) Dibromomethane	9.712	93	107741	51.421	ug/l		91
47) Bromodichloromethane	9.894	83	220719	53.347	ug/l		97
48) Methyl methacrylate	9.688	41	196519	56.493	ug/l	#	75
49) 1,4-Dioxane	9.700	88	57450	969.598	ug/l	#	76
51) 4-Methyl-2-Pentanone	10.447	43	1239577	272.256	ug/l	#	85
52) Toluene	10.635	92	369332	52.429	ug/l		96
53) t-1,3-Dichloropropene	10.841	75	236373	53.273	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	254383	52.642	ug/l	#	85
55) 1,1,2-Trichloroethane	11.024	97	148600	52.610	ug/l		98
56) Ethyl methacrylate	10.876	69	256158	58.504	ug/l	#	74
57) 1,3-Dichloropropane	11.165	76	269617	53.367	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	550368	261.860	ug/l		90
59) 2-Hexanone	11.200	43	914163	277.210	ug/l		83
60) Dibromochloromethane	11.365	129	166414	55.988	ug/l		99
61) 1,2-Dibromoethane	11.471	107	154491	53.823	ug/l		98
64) Tetrachloroethene	11.106	164	110783	51.621	ug/l		95
65) Chlorobenzene	11.894	112	394152	54.108	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.965	131	150291	54.593	ug/l		98
67) Ethyl Benzene	11.971	91	691792	52.222	ug/l		98
68) m/p-Xylenes	12.076	106	510929	103.159	ug/l		96
69) o-Xylene	12.400	106	259429	53.846	ug/l		95
70) Styrene	12.418	104	433927	54.013	ug/l		97
71) Bromoform	12.582	173	120520	60.218	ug/l	#	98
73) Isopropylbenzene	12.700	105	636077	49.880	ug/l		98
74) N-amyl acetate	12.500	43	346576	53.843	ug/l	#	84
75) 1,1,2,2-Tetrachloroethane	12.941	83	235446	51.135	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	186450m	50.597	ug/l		
77) Bromobenzene	12.988	156	160867	52.482	ug/l		99
78) n-propylbenzene	13.041	91	732545	49.539	ug/l		99
79) 2-Chlorotoluene	13.129	91	463882	50.572	ug/l		99
80) 1,3,5-Trimethylbenzene	13.176	105	513590	50.823	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.741	75	71832	49.797	ug/l	#	75
82) 4-Chlorotoluene	13.223	91	445710	49.660	ug/l		99
83) tert-Butylbenzene	13.441	119	455379	53.633	ug/l		97
84) 1,2,4-Trimethylbenzene	13.488	105	516555	51.623	ug/l		98
85) sec-Butylbenzene	13.617	105	597643	51.147	ug/l		98
86) p-Isopropyltoluene	13.735	119	488933	52.372	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	271289	51.435	ug/l		96
88) 1,4-Dichlorobenzene	13.817	146	273478	51.803	ug/l		98
89) n-Butylbenzene	14.059	91	408083	53.116	ug/l		99
90) Hexachloroethane	14.335	117	96873	51.765	ug/l		84
91) 1,2-Dichlorobenzene	14.112	146	272240	51.902	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	45594	60.818	ug/l		92
93) 1,2,4-Trichlorobenzene	15.394	180	118005	63.462	ug/l		97
94) Hexachlorobutadiene	15.506	225	56273	60.251	ug/l		100
95) Naphthalene	15.647	128	423213	59.533	ug/l		99
96) 1,2,3-Trichlorobenzene	15.847	180	123147	60.468	ug/l		99

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

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