

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012324\
 Data File : VN080762.D
 Acq On : 23 Jan 2024 16:46
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/24/2024
 Supervised By : Mahesh Dadoda 01/24/2024

Quant Time: Jan 24 02:01:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	129582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	267004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232118	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93365	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108318	47.600	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.200%
35) Dibromofluoromethane	8.159	113	79227	52.224	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.440%
50) Toluene-d8	10.565	98	318331	55.031	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.060%
62) 4-Bromofluorobenzene	12.847	95	107643	48.526	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	98653	46.861	ug/l	98
3) Chloromethane	2.359	50	152081	63.766	ug/l	97
4) Vinyl Chloride	2.518	62	125246	65.572	ug/l	99
5) Bromomethane	2.948	94	47043	64.799	ug/l	96
6) Chloroethane	3.118	64	68524	67.017	ug/l	98
7) Trichlorofluoromethane	3.500	101	147049	46.619	ug/l	95
8) Diethyl Ether	3.953	74	72020	52.245	ug/l	# 57
9) 1,1,2-Trichlorotrifluo...	4.359	101	90147	52.435	ug/l	91
10) Methyl Iodide	4.583	142	71262	49.571	ug/l	96
11) Tert butyl alcohol	5.512	59	81710	212.319	ug/l	100
12) 1,1-Dichloroethene	4.342	96	91527	47.309	ug/l	# 73
13) Acrolein	4.171	56	83733	260.399	ug/l	99
14) Allyl chloride	5.024	41	193134	50.359	ug/l	# 90
15) Acrylonitrile	5.712	53	260154	258.869	ug/l	99
16) Acetone	4.412	43	163776	219.218	ug/l	91
17) Carbon Disulfide	4.706	76	277659	46.923	ug/l	99
18) Methyl Acetate	5.012	43	122026	54.851	ug/l	# 82
19) Methyl tert-butyl Ether	5.783	73	335778	50.367	ug/l	94
20) Methylene Chloride	5.277	84	110120	50.491	ug/l	# 71
21) trans-1,2-Dichloroethene	5.777	96	102403	52.183	ug/l	# 71
22) Diisopropyl ether	6.665	45	431212	59.626	ug/l	# 88
23) Vinyl Acetate	6.594	43	1653865	280.977	ug/l	# 82
24) 1,1-Dichloroethane	6.565	63	228093	57.617	ug/l	96
25) 2-Butanone	7.471	43	328067	242.935	ug/l	# 77
26) 2,2-Dichloropropane	7.488	77	181389	52.391	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	120666	55.779	ug/l	76
28) Bromochloromethane	7.812	49	98046	52.977	ug/l	# 59
29) Tetrahydrofuran	7.835	42	228311	250.831	ug/l	# 70
30) Chloroform	7.959	83	197077	53.103	ug/l	95
31) Cyclohexane	8.259	56	193761	55.114	ug/l	# 79
32) 1,1,1-Trichloroethane	8.165	97	161010	48.738	ug/l	# 89
36) 1,1-Dichloropropene	8.371	75	156690	50.422	ug/l	93
37) Ethyl Acetate	7.553	43	148074	49.138	ug/l	# 89
38) Carbon Tetrachloride	8.359	117	130673	46.833	ug/l	94
39) Methylcyclohexane	9.600	83	163486	54.974	ug/l	# 80
40) Benzene	8.606	78	479502	54.888	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	84255	48.203	ug/l #	81
42) 1,2-Dichloroethane	8.671	62	158074	47.264	ug/l	98
43) Isopropyl Acetate	8.682	43	276050	49.837	ug/l #	88
44) Trichloroethene	9.347	130	99647	50.385	ug/l	87
45) 1,2-Dichloropropane	9.624	63	133872	57.801	ug/l	99
46) Dibromomethane	9.712	93	75385	51.445	ug/l	93
47) Bromodichloromethane	9.888	83	156602	48.150	ug/l	99
48) Methyl methacrylate	9.676	41	129980	49.564	ug/l #	73
49) 1,4-Dioxane	9.688	88	27121	829.995	ug/l #	77
51) 4-Methyl-2-Pentanone	10.441	43	745733	249.555	ug/l	87
52) Toluene	10.629	92	280004	55.942	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	184603	51.137	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	206696	53.992	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	105416	54.717	ug/l	93
56) Ethyl methacrylate	10.871	69	173567	50.300	ug/l #	72
57) 1,3-Dichloropropane	11.159	76	198258	56.369	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	456945	276.471	ug/l #	84
59) 2-Hexanone	11.194	43	535394	242.702	ug/l	86
60) Dibromochloromethane	11.353	129	100292	50.653	ug/l	99
61) 1,2-Dibromoethane	11.470	107	97554	51.511	ug/l	98
64) Tetrachloroethene	11.100	164	80401	50.438	ug/l	99
65) Chlorobenzene	11.888	112	269412	53.125	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	93032	51.669	ug/l	97
67) Ethyl Benzene	11.965	91	521140	53.816	ug/l	96
68) m/p-Xylenes	12.070	106	380902	111.883	ug/l	92
69) o-Xylene	12.400	106	185095	55.605	ug/l	89
70) Styrene	12.412	104	316057	55.914	ug/l	97
71) Bromoform	12.582	173	58371	47.122	ug/l #	100
73) Isopropylbenzene	12.694	105	470181	52.958	ug/l	97
74) N-amyl acetate	12.494	43	251533	47.209	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.935	83	132576	45.522	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	119431m	41.484	ug/l	
77) Bromobenzene	12.982	156	92125	48.853	ug/l	74
78) n-propylbenzene	13.035	91	578862	53.150	ug/l	94
79) 2-Chlorotoluene	13.129	91	340160	48.735	ug/l	95
80) 1,3,5-Trimethylbenzene	13.170	105	379992	51.356	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	50464	41.322	ug/l #	82
82) 4-Chlorotoluene	13.223	91	342930	50.117	ug/l	93
83) tert-Butylbenzene	13.441	119	299671	50.662	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	379909	52.216	ug/l	98
85) sec-Butylbenzene	13.617	105	446920	53.176	ug/l	96
86) p-Isopropyltoluene	13.729	119	344628	51.920	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	170703	50.681	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	169032	49.262	ug/l	97
89) n-Butylbenzene	14.059	91	350831	54.834	ug/l	97
90) Hexachloroethane	14.335	117	60545	49.185	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	168370	53.049	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	24536	36.710	ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	84642	51.206	ug/l	98
94) Hexachlorobutadiene	15.500	225	37692	47.515	ug/l	99
95) Naphthalene	15.641	128	294614	45.288	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	80919	50.575	ug/l	98

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

