

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040124\
 Data File : VN081636.D
 Acq On : 01 Apr 2024 09:38
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/02/2024
 Supervised By : Mahesh Dadoda 04/02/2024

Quant Time: Apr 02 01:09:29 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	384487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	653147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	616448	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	305787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	252077	51.410	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.820%			
35) Dibromofluoromethane	8.165	113	229973	55.791	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.580%			
50) Toluene-d8	10.570	98	786977	52.815	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.640%			
62) 4-Bromofluorobenzene	12.847	95	294924	56.172	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 112.340%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	210542	40.668	ug/l	95
3) Chloromethane	2.359	50	223234	43.308	ug/l	96
4) Vinyl Chloride	2.518	62	257542	44.520	ug/l	95
5) Bromomethane	2.953	94	166223	40.630	ug/l	95
6) Chloroethane	3.118	64	189589	47.733	ug/l	98
7) Trichlorofluoromethane	3.494	101	415636	48.210	ug/l	94
8) Diethyl Ether	3.959	74	137578	48.219	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.371	101	241938	49.388	ug/l	# 89
10) Methyl Iodide	4.588	142	257211	52.725	ug/l	98
11) Tert butyl alcohol	5.512	59	215249	251.908	ug/l	99
12) 1,1-Dichloroethene	4.341	96	215123	47.409	ug/l	85
13) Acrolein	4.177	56	131288	171.228	ug/l	97
14) Allyl chloride	5.018	41	266184	46.815	ug/l	# 84
15) Acrylonitrile	5.718	53	542260	237.215	ug/l	97
16) Acetone	4.418	43	338669	213.724	ug/l	100
17) Carbon Disulfide	4.712	76	517804	39.766	ug/l	99
18) Methyl Acetate	5.018	43	266100	54.469	ug/l	# 87
19) Methyl tert-butyl Ether	5.794	73	748248	52.690	ug/l	95
20) Methylene Chloride	5.283	84	256844	49.482	ug/l	# 83
21) trans-1,2-Dichloroethene	5.783	96	246051	48.633	ug/l	88
22) Diisopropyl ether	6.665	45	706132	53.449	ug/l	# 92
23) Vinyl Acetate	6.600	43	2611666	248.355	ug/l	# 90
24) 1,1-Dichloroethane	6.571	63	449694	50.821	ug/l	96
25) 2-Butanone	7.482	43	621996	228.849	ug/l	# 84
26) 2,2-Dichloropropane	7.488	77	423918	55.236	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	302824	52.901	ug/l	83
28) Bromochloromethane	7.818	49	162440	45.071	ug/l	# 50
29) Tetrahydrofuran	7.835	42	432050	235.967	ug/l	# 78
30) Chloroform	7.965	83	511869	54.036	ug/l	97
31) Cyclohexane	8.253	56	338773	42.459	ug/l	# 74
32) 1,1,1-Trichloroethane	8.165	97	447056	52.018	ug/l	94
36) 1,1-Dichloropropene	8.371	75	342584	49.386	ug/l	94
37) Ethyl Acetate	7.559	43	269118	45.306	ug/l	# 95
38) Carbon Tetrachloride	8.365	117	392800	51.691	ug/l	96
39) Methylcyclohexane	9.600	83	388084	50.097	ug/l	84
40) Benzene	8.606	78	1048191	51.685	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	153691m	48.925	ug/l	
42) 1,2-Dichloroethane	8.671	62	364788	51.111	ug/l	97
43) Isopropyl Acetate	8.688	43	481834	48.936	ug/l #	91
44) Trichloroethene	9.353	130	291709	51.142	ug/l	96
45) 1,2-Dichloropropane	9.623	63	263904	53.693	ug/l	96
46) Dibromomethane	9.712	93	198693	53.232	ug/l #	88
47) Bromodichloromethane	9.888	83	409788	56.152	ug/l #	99
48) Methyl methacrylate	9.682	41	219983	48.439	ug/l #	83
49) 1,4-Dioxane	9.694	88	100001	916.272	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	1451564	241.600	ug/l	91
52) Toluene	10.629	92	687714	53.352	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	422331	53.593	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	451482	53.437	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	284602	54.863	ug/l	96
56) Ethyl methacrylate	10.876	69	382939	49.631	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	457449	53.792	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	871907	267.118	ug/l #	84
59) 2-Hexanone	11.194	43	1074554	241.905	ug/l	90
60) Dibromochloromethane	11.359	129	322644	56.554	ug/l	97
61) 1,2-Dibromoethane	11.470	107	284660	53.823	ug/l	97
64) Tetrachloroethene	11.106	164	309846	52.583	ug/l	88
65) Chlorobenzene	11.894	112	758303	52.035	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.964	131	293110	54.269	ug/l	96
67) Ethyl Benzene	11.964	91	1324138	52.308	ug/l	96
68) m/p-Xylenes	12.070	106	1048106	110.445	ug/l	93
69) o-Xylene	12.400	106	505320	54.240	ug/l	94
70) Styrene	12.412	104	862360	57.393	ug/l	94
71) Bromoform	12.582	173	220721	54.383	ug/l #	98
73) Isopropylbenzene	12.700	105	1321433	50.696	ug/l	96
74) N-amyl acetate	12.494	43	426452	45.209	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	355094	46.335	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	330461m	45.178	ug/l	
77) Bromobenzene	12.982	156	316352	49.131	ug/l	69
78) n-propylbenzene	13.035	91	1591190	51.692	ug/l	94
79) 2-Chlorotoluene	13.129	91	941754	51.117	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	1136011	52.767	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	132137	48.817	ug/l	89
82) 4-Chlorotoluene	13.223	91	930546	51.231	ug/l	91
83) tert-Butylbenzene	13.441	119	959058	51.659	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	1147166	53.016	ug/l	94
85) sec-Butylbenzene	13.617	105	1413507	53.260	ug/l	93
86) p-Isopropyltoluene	13.729	119	1191360	54.915	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	621349	52.522	ug/l	94
88) 1,4-Dichlorobenzene	13.811	146	612198	49.977	ug/l	96
89) n-Butylbenzene	14.058	91	1028707	53.475	ug/l	96
90) Hexachloroethane	14.335	117	220731	53.724	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	591576	51.954	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	72836	44.658	ug/l	69
93) 1,2,4-Trichlorobenzene	15.394	180	332210	50.459	ug/l	98
94) Hexachlorobutadiene	15.500	225	138222	47.849	ug/l	96
95) Naphthalene	15.641	128	1089060	51.049	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	346302	52.293	ug/l	98

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

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