

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020624\
 Data File : VN080920.D
 Acq On : 06 Feb 2024 16:10
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/07/2024
 Supervised By : Mahesh Dadoda 02/07/2024

Quant Time: Feb 07 05:29:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 05:25:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	435369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	897934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	707190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	305296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	307359	55.963	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.920%			
35) Dibromofluoromethane	8.165	113	246204	51.098	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.200%			
50) Toluene-d8	10.571	98	878047	50.380	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.847	95	321287	50.746	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	263461	53.414	ug/l	95
3) Chloromethane	2.359	50	267869	52.489	ug/l	95
4) Vinyl Chloride	2.512	62	315528	48.982	ug/l	91
5) Bromomethane	2.948	94	195324	47.133	ug/l	90
6) Chloroethane	3.118	64	210185	46.135	ug/l	99
7) Trichlorofluoromethane	3.495	101	433896	51.443	ug/l	96
8) Diethyl Ether	3.959	74	152485	50.601	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.365	101	242309	51.069	ug/l	91
10) Methyl Iodide	4.589	142	246085	53.631	ug/l	97
11) Tert butyl alcohol	5.512	59	193765	256.057	ug/l #	88
12) 1,1-Dichloroethene	4.342	96	236022	50.566	ug/l	84
13) Acrolein	4.177	56	258766	271.313	ug/l	99
14) Allyl chloride	5.018	41	311851	50.425	ug/l #	87
15) Acrylonitrile	5.718	53	538458	260.317	ug/l	99
16) Acetone	4.424	43	416039	230.247	ug/l	99
17) Carbon Disulfide	4.718	76	578342	49.124	ug/l	99
18) Methyl Acetate	5.018	43	275162	51.616	ug/l #	85
19) Methyl tert-butyl Ether	5.795	73	815989	52.483	ug/l	94
20) Methylene Chloride	5.277	84	262864	48.017	ug/l	86
21) trans-1,2-Dichloroethene	5.783	96	258107	49.260	ug/l	88
22) Diisopropyl ether	6.671	45	740207	51.636	ug/l #	92
23) Vinyl Acetate	6.600	43	2755831	291.744	ug/l #	87
24) 1,1-Dichloroethane	6.565	63	462687	49.561	ug/l	96
25) 2-Butanone	7.483	43	688234	237.301	ug/l #	88
26) 2,2-Dichloropropane	7.489	77	443619	51.964	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	314267	51.618	ug/l	85
28) Bromochloromethane	7.812	49	199025	51.233	ug/l #	53
29) Tetrahydrofuran	7.836	42	443106	249.891	ug/l #	79
30) Chloroform	7.965	83	517332	50.142	ug/l	98
31) Cyclohexane	8.259	56	359587	47.905	ug/l #	76
32) 1,1,1-Trichloroethane	8.171	97	474771	53.107	ug/l #	90
36) 1,1-Dichloropropene	8.371	75	364362	50.832	ug/l	96
37) Ethyl Acetate	7.559	43	282702	52.123	ug/l	96
38) Carbon Tetrachloride	8.359	117	390215	53.105	ug/l	98
39) Methylcyclohexane	9.600	83	428279	53.608	ug/l #	84
40) Benzene	8.606	78	1226854	56.229	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	161360	49.921	ug/l	91
42) 1,2-Dichloroethane	8.671	62	403585	53.124	ug/l	96
43) Isopropyl Acetate	8.688	43	550745	55.220	ug/l #	90
44) Trichloroethene	9.353	130	331704	50.050	ug/l	94
45) 1,2-Dichloropropane	9.624	63	307178	52.179	ug/l	98
46) Dibromomethane	9.706	93	224781	51.636	ug/l #	83
47) Bromodichloromethane	9.888	83	438997	51.557	ug/l #	96
48) Methyl methacrylate	9.683	41	268421	47.767	ug/l #	86
49) 1,4-Dioxane	9.694	88	99110	955.229	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	1485520	247.152	ug/l	91
52) Toluene	10.630	92	708653	48.489	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	424671	51.543	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	464494	50.224	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	278022	49.219	ug/l	93
56) Ethyl methacrylate	10.877	69	397984	58.896	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	454090	49.548	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	1131137	275.727	ug/l #	82
59) 2-Hexanone	11.194	43	1115077	244.772	ug/l	90
60) Dibromochloromethane	11.359	129	307217	53.227	ug/l	96
61) 1,2-Dibromoethane	11.471	107	283857	50.377	ug/l	97
64) Tetrachloroethene	11.106	164	251607	47.136	ug/l	94
65) Chlorobenzene	11.894	112	739666	49.906	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.965	131	277988	51.977	ug/l	97
67) Ethyl Benzene	11.965	91	1313728	51.456	ug/l	97
68) m/p-Xylenes	12.071	106	1009759	104.102	ug/l	93
69) o-Xylene	12.400	106	497718	52.881	ug/l	94
70) Styrene	12.412	104	830562	58.798	ug/l	96
71) Bromoform	12.576	173	197596	55.162	ug/l #	98
73) Isopropylbenzene	12.694	105	1241809	52.301	ug/l	96
74) N-amyl acetate	12.494	43	443337	51.801	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.941	83	361343	48.922	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	318520m	49.047	ug/l	
77) Bromobenzene	12.982	156	299871	50.054	ug/l	71
78) n-propylbenzene	13.035	91	1411410	52.651	ug/l	96
79) 2-Chlorotoluene	13.129	91	864049	51.004	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	1015856	52.638	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	134848	58.856	ug/l	94
82) 4-Chlorotoluene	13.223	91	886324	52.439	ug/l	94
83) tert-Butylbenzene	13.441	119	859227	52.231	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	1030630	53.619	ug/l	97
85) sec-Butylbenzene	13.618	105	1199219	54.250	ug/l	94
86) p-Isopropyltoluene	13.729	119	1010835	54.110	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	545897	51.165	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	541873	50.047	ug/l	97
89) n-Butylbenzene	14.059	91	862390	52.260	ug/l	98
90) Hexachloroethane	14.335	117	157077	53.324	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	515832	50.464	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	68577	49.637	ug/l	72
93) 1,2,4-Trichlorobenzene	15.394	180	271878	53.770	ug/l	100
94) Hexachlorobutadiene	15.506	225	110531	50.421	ug/l	98
95) Naphthalene	15.641	128	935453	56.032	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	266676	53.580	ug/l	99

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

