

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
 Data File : VN077549.D
 Acq On : 01 May 2023 18:01
 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 05/02/2023
 Supervised By : Mahesh Dadoda 05/03/2023

Quant Time: May 01 22:05:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	709007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	1321828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1219896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	526243	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	378089	40.867	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	81.740%
35) Dibromofluoromethane	8.166	113	325409	40.959	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	81.920%
50) Toluene-d8	10.571	98	1311467	43.071	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	86.140%
62) 4-Bromofluorobenzene	12.854	95	465431	46.720	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.440%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.131	85	360116	39.852	ug/l	98
3) Chloromethane	2.372	50	263549	37.083	ug/l	97
4) Vinyl Chloride	2.519	62	376251	39.741	ug/l	99
5) Bromomethane	2.948	94	302874	36.930	ug/l	95
6) Chloroethane	3.125	64	260919	36.274	ug/l	96
7) Trichlorofluoromethane	3.501	101	596899	42.894	ug/l	97
8) Diethyl Ether	3.972	74	208060	41.146	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.384	101	343021	42.385	ug/l	99
10) Methyl Iodide	4.595	142	409497	41.186	ug/l	97
11) Tert butyl alcohol	5.531	59	302997	204.007	ug/l	100
12) 1,1-Dichloroethene	4.348	96	325427	41.130	ug/l	97
13) Acrolein	4.190	56	338638	229.198	ug/l	96
14) Allyl chloride	5.031	41	364654	41.453	ug/l	98
15) Acrylonitrile	5.731	53	747569	221.875	ug/l	99
16) Acetone	4.437	43	566612	192.506	ug/l	95
17) Carbon Disulfide	4.725	76	727899	36.204	ug/l	100
18) Methyl Acetate	5.037	43	496842	43.712	ug/l	98
19) Methyl tert-butyl Ether	5.807	73	1145712	43.541	ug/l	98
20) Methylene Chloride	5.289	84	382773	41.007	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	355262	41.523	ug/l	91
22) Diisopropyl ether	6.683	45	827449	40.985	ug/l	95
23) Vinyl Acetate	6.613	43	2575759	204.286	ug/l	99
24) 1,1-Dichloroethane	6.578	63	599639	41.959	ug/l	99
25) 2-Butanone	7.489	43	870311	208.475	ug/l	99
26) 2,2-Dichloropropane	7.495	77	582230	42.017	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	445918	44.007	ug/l	96
28) Bromochloromethane	7.819	49	229545	42.061	ug/l	90
29) Tetrahydrofuran	7.842	42	556450	212.739	ug/l	96
30) Chloroform	7.972	83	732085	45.455	ug/l	98
31) Cyclohexane	8.260	56	492023	37.542	ug/l	90
32) 1,1,1-Trichloroethane	8.172	97	669531	45.217	ug/l	99
36) 1,1-Dichloropropene	8.377	75	500512	43.607	ug/l	99
37) Ethyl Acetate	7.566	43	372867	42.751	ug/l	100
38) Carbon Tetrachloride	8.366	117	573272	45.268	ug/l	100
39) Methylcyclohexane	9.607	83	657288	43.465	ug/l	98
40) Benzene	8.613	78	1556220	44.507	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	193792	42.661	ug/l	94
42) 1,2-Dichloroethane	8.677	62	522098	43.473	ug/l	98
43) Isopropyl Acetate	8.695	43	641240	42.498	ug/l	96
44) Trichloroethene	9.354	130	402545	44.963	ug/l	96
45) 1,2-Dichloropropane	9.624	63	358378	43.754	ug/l	95
46) Dibromomethane	9.713	93	294441	44.303	ug/l	98
47) Bromodichloromethane	9.889	83	591522	46.013	ug/l	94
48) Methyl methacrylate	9.683	41	281040	40.918	ug/l	94
49) 1,4-Dioxane	9.701	88	157826	916.100	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	1933328	218.448	ug/l	98
52) Toluene	10.636	92	1055532	46.080	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	602622	46.294	ug/l	96
54) cis-1,3-Dichloropropene	10.313	75	649273	45.823	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	423324	45.957	ug/l	99
56) Ethyl methacrylate	10.877	69	604914	46.867	ug/l #	91
57) 1,3-Dichloropropane	11.166	76	692754	47.215	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	1037593	237.673	ug/l	99
59) 2-Hexanone	11.195	43	1407309	218.758	ug/l	97
60) Dibromochloromethane	11.360	129	457831	47.892	ug/l	99
61) 1,2-Dibromoethane	11.471	107	442083	47.009	ug/l	97
64) Tetrachloroethene	11.107	164	311660	42.679	ug/l	96
65) Chlorobenzene	11.895	112	1137056	44.048	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	421332	44.862	ug/l	99
67) Ethyl Benzene	11.965	91	2065457	45.452	ug/l	100
68) m/p-Xylenes	12.071	106	1609984	91.158	ug/l	99
69) o-Xylene	12.401	106	805935	46.393	ug/l	100
70) Styrene	12.413	104	1298573	47.798	ug/l	99
71) Bromoform	12.583	173	294320	47.900	ug/l #	99
73) Isopropylbenzene	12.701	105	2100537	43.015	ug/l	98
74) N-amyl acetate	12.495	43	550753	38.095	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.942	83	624910	40.728	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	527772m	43.128	ug/l	
77) Bromobenzene	12.983	156	443133	41.637	ug/l	99
78) n-propylbenzene	13.036	91	2382817	44.131	ug/l	100
79) 2-Chlorotoluene	13.130	91	1428254	42.903	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	1773240	48.897	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.736	75	178782	41.275	ug/l	98
82) 4-Chlorotoluene	13.224	91	1366413	43.925	ug/l	100
83) tert-Butylbenzene	13.442	119	1497987	42.535	ug/l	99
84) 1,2,4-Trimethylbenzene	13.489	105	1681761	49.656	ug/l	100
85) sec-Butylbenzene	13.618	105	2178902	45.075	ug/l	100
86) p-Isopropyltoluene	13.730	119	1734781	46.643	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	821119	43.383	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	806433	43.152	ug/l	99
89) n-Butylbenzene	14.059	91	1423999	49.473	ug/l	99
90) Hexachloroethane	14.336	117	335022	40.772	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	798429	42.531	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	112658	39.705	ug/l	93
93) 1,2,4-Trichlorobenzene	15.395	180	259239	44.838	ug/l	96
94) Hexachlorobutadiene	15.506	225	165562	43.643	ug/l	98
95) Naphthalene	15.642	128	1000819	45.441	ug/l	100
96) 1,2,3-Trichlorobenzene	15.848	180	243253	44.933	ug/l	96

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

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