

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042523\
 Data File : VN077482.D
 Acq On : 25 Apr 2023 20:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/26/2023
 Supervised By : Mahesh Dadoda 04/26/2023

Quant Time: Apr 26 04:26:11 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	615134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1170302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1050544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	440992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	466263	58.088	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.180%
35) Dibromofluoromethane	8.166	113	408277	58.043	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	116.080%
50) Toluene-d8	10.566	98	1613836	59.864	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	119.720%#
62) 4-Bromofluorobenzene	12.848	95	556066	63.045	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	126.080%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.131	85	456200	58.047	ug/l	100
3) Chloromethane	2.372	50	313723	50.879	ug/l	97
4) Vinyl Chloride	2.525	62	449028	54.665	ug/l	99
5) Bromomethane	2.943	94	342928	48.195	ug/l	100
6) Chloroethane	3.119	64	348343	55.819	ug/l	97
7) Trichlorofluoromethane	3.501	101	696056	57.653	ug/l	98
8) Diethyl Ether	3.972	74	249608	56.895	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.378	101	381697	54.362	ug/l	100
10) Methyl Iodide	4.601	142	409100	47.425	ug/l	99
11) Tert butyl alcohol	5.531	59	375351	291.290	ug/l	100
12) 1,1-Dichloroethene	4.354	96	379697	55.312	ug/l	92
13) Acrolein	4.190	56	314088	245.023	ug/l	97
14) Allyl chloride	5.031	41	414284	54.282	ug/l	96
15) Acrylonitrile	5.725	53	825412	282.364	ug/l	99
16) Acetone	4.437	43	623277	244.073	ug/l	96
17) Carbon Disulfide	4.725	76	904420	51.849	ug/l	98
18) Methyl Acetate	5.037	43	540374	54.797	ug/l	97
19) Methyl tert-butyl Ether	5.807	73	1310993	57.425	ug/l	99
20) Methylene Chloride	5.284	84	431602	53.295	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	407244	54.862	ug/l	90
22) Diisopropyl ether	6.683	45	934148	53.331	ug/l	95
23) Vinyl Acetate	6.613	43	2920822	267.005	ug/l	99
24) 1,1-Dichloroethane	6.578	63	685285	55.269	ug/l	99
25) 2-Butanone	7.489	43	960278	265.129	ug/l	98
26) 2,2-Dichloropropane	7.495	77	617077	51.327	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	485432	55.218	ug/l	97
28) Bromochloromethane	7.819	49	261254	55.176	ug/l	93
29) Tetrahydrofuran	7.842	42	622486	274.304	ug/l	97
30) Chloroform	7.972	83	798370	57.135	ug/l	95
31) Cyclohexane	8.260	56	557937	49.068	ug/l	94
32) 1,1,1-Trichloroethane	8.172	97	740063	57.607	ug/l	98
36) 1,1-Dichloropropene	8.377	75	574419	56.525	ug/l	99
37) Ethyl Acetate	7.566	43	418477	54.192	ug/l	99
38) Carbon Tetrachloride	8.366	117	633021	56.459	ug/l	99
39) Methylcyclohexane	9.601	83	739838	55.258	ug/l	98
40) Benzene	8.613	78	1709794	55.230	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	203814	50.676	ug/l	90
42) 1,2-Dichloroethane	8.672	62	574825	54.061	ug/l	99
43) Isopropyl Acetate	8.689	43	726038	54.348	ug/l	97
44) Trichloroethene	9.354	130	447513	56.458	ug/l	98
45) 1,2-Dichloropropane	9.624	63	399965	55.154	ug/l	97
46) Dibromomethane	9.713	93	318805	54.180	ug/l	97
47) Bromodichloromethane	9.889	83	630223	55.371	ug/l	96
48) Methyl methacrylate	9.683	41	319917	52.609	ug/l	96
49) 1,4-Dioxane	9.695	88	178535	1170.482	ug/l	95
51) 4-Methyl-2-Pentanone	10.448	43	2111115	269.421	ug/l	97
52) Toluene	10.630	92	1153996	56.901	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	674058	58.486	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	721456	57.510	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	465234	57.047	ug/l	95
56) Ethyl methacrylate	10.877	69	669028	58.545	ug/l #	92
57) 1,3-Dichloropropane	11.166	76	738839	56.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	1081734	279.866	ug/l	99
59) 2-Hexanone	11.195	43	1550705	272.257	ug/l	97
60) Dibromochloromethane	11.360	129	484936	57.295	ug/l	98
61) 1,2-Dibromoethane	11.471	107	474248	56.959	ug/l	97
64) Tetrachloroethene	11.107	164	344216	54.736	ug/l	98
65) Chlorobenzene	11.895	112	1233738	55.498	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.960	131	436981	54.028	ug/l	98
67) Ethyl Benzene	11.966	91	2238400	57.199	ug/l	100
68) m/p-Xylenes	12.071	106	1732243	113.891	ug/l	100
69) o-Xylene	12.401	106	872485	58.320	ug/l	99
70) Styrene	12.413	104	1388366	59.342	ug/l	99
71) Bromoform	12.577	173	310141	58.612	ug/l #	99
73) Isopropylbenzene	12.695	105	2261337	55.260	ug/l	100
74) N-amyl acetate	12.495	43	614019	50.681	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.942	83	653813	50.849	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	469816m	45.814	ug/l	
77) Bromobenzene	12.983	156	463364	51.955	ug/l	99
78) n-propylbenzene	13.036	91	2587824	57.193	ug/l	100
79) 2-Chlorotoluene	13.124	91	1511529	54.181	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	1883036	61.962	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.736	75	199801	55.045	ug/l	99
82) 4-Chlorotoluene	13.224	91	1449202	55.592	ug/l	100
83) tert-Butylbenzene	13.442	119	1597932	54.144	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1825656	64.325	ug/l	99
85) sec-Butylbenzene	13.618	105	2253474	55.629	ug/l	100
86) p-Isopropyltoluene	13.730	119	1823602	58.509	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	855895	53.962	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	858615	54.826	ug/l	100
89) n-Butylbenzene	14.059	91	1549011	64.220	ug/l	100
90) Hexachloroethane	14.336	117	357649	51.940	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	856113	54.420	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	129456	54.446	ug/l	99
93) 1,2,4-Trichlorobenzene	15.371	180	325387	59.720	ug/l	99
94) Hexachlorobutadiene	15.465	225	173957	54.721	ug/l	99
95) Naphthalene	15.589	128	1320168	62.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.753	180	300658	59.165	ug/l	98

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

