

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077389.D
 Acq On : 20 Apr 2023 10:21
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 21 02:37:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 04/21/2023
 Supervised By :Mahesh Dadoda 04/22/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	507703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	962007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	879642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	391361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	337307	48.611	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.220%		
35) Dibromofluoromethane	8.172	113	310096	50.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.700%		
50) Toluene-d8	10.566	98	1194731	48.190	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.380%		
62) 4-Bromofluorobenzene	12.854	95	422933	51.293	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	335440	51.765	ug/l	99
3) Chloromethane	2.372	50	303230	37.760	ug/l	94
4) Vinyl Chloride	2.525	62	431170	39.601	ug/l	96
5) Bromomethane	2.948	94	349675	44.300	ug/l	96
6) Chloroethane	3.125	64	304987	39.251	ug/l	99
7) Trichlorofluoromethane	3.507	101	532190	56.372	ug/l	95
8) Diethyl Ether	3.966	74	198504	50.177	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.384	101	320468	55.467	ug/l	97
10) Methyl Iodide	4.601	142	407477	57.991	ug/l	92
11) Tert butyl alcohol	5.525	59	245184	173.165	ug/l	97
12) 1,1-Dichloroethene	4.348	96	311785	52.424	ug/l	89
13) Acrolein	4.190	56	228461	170.367	ug/l	94
14) Allyl chloride	5.031	41	370725	41.272	ug/l	89
15) Acrylonitrile	5.725	53	678410	216.730	ug/l	99
16) Acetone	4.431	43	666304	260.436	ug/l	99
17) Carbon Disulfide	4.719	76	796325	49.653	ug/l	97
18) Methyl Acetate	5.031	43	433496	44.489	ug/l	95
19) Methyl tert-butyl Ether	5.801	73	1072159	50.806	ug/l	94
20) Methylene Chloride	5.284	84	358360	49.597	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	359467	55.202	ug/l	97
22) Diisopropyl ether	6.678	45	876980	48.698	ug/l	96
23) Vinyl Acetate	6.607	43	2772561	227.699	ug/l	98
24) 1,1-Dichloroethane	6.572	63	594876	51.155	ug/l	98
25) 2-Butanone	7.483	43	895299	215.618	ug/l	97
26) 2,2-Dichloropropane	7.495	77	602529	56.504	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	428848	53.929	ug/l	98
28) Bromochloromethane	7.819	49	211764	45.270	ug/l	90
29) Tetrahydrofuran	7.842	42	539145	201.990	ug/l	94
30) Chloroform	7.972	83	684030	55.159	ug/l	99
31) Cyclohexane	8.260	56	518369	48.076	ug/l	98
32) 1,1,1-Trichloroethane	8.172	97	628787	55.752	ug/l	97
36) 1,1-Dichloropropene	8.377	75	504128	55.347	ug/l	97
37) Ethyl Acetate	7.566	43	353513	43.379	ug/l	98
38) Carbon Tetrachloride	8.366	117	542452	58.129	ug/l	95
39) Methylcyclohexane	9.601	83	685044	55.776	ug/l	96
40) Benzene	8.613	78	1495068	52.624	ug/l	98

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 04/21/2023
 Supervised By :Mahesh Dadoda 04/22/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	183521	41.895	ug/l	93
42) 1,2-Dichloroethane	8.672	62	481317	55.046	ug/l	99
43) Isopropyl Acetate	8.689	43	650843	43.281	ug/l	96
44) Trichloroethene	9.354	130	391509	57.593	ug/l	98
45) 1,2-Dichloropropane	9.624	63	359985	53.352	ug/l	93
46) Dibromomethane	9.713	93	272499	53.603	ug/l	97
47) Bromodichloromethane	9.889	83	551382	54.264	ug/l	93
48) Methyl methacrylate	9.683	41	292233	45.556	ug/l	97
49) 1,4-Dioxane	9.695	88	126843	815.578	ug/l	96
51) 4-Methyl-2-Pentanone	10.448	43	1846718	212.461	ug/l	98
52) Toluene	10.630	92	1031038	55.445	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	602272	54.584	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	646014	54.966	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	393343	53.885	ug/l	97
56) Ethyl methacrylate	10.877	69	571018	50.222	ug/l	96
57) 1,3-Dichloropropane	11.166	76	652450	54.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	830746	245.452	ug/l	95
59) 2-Hexanone	11.195	43	1390707	214.762	ug/l	98
60) Dibromochloromethane	11.360	129	433669	57.683	ug/l	98
61) 1,2-Dibromoethane	11.471	107	413796	56.793	ug/l	98
64) Tetrachloroethene	11.107	164	311506	57.325	ug/l	98
65) Chlorobenzene	11.895	112	1099094	56.753	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.960	131	398092	54.327	ug/l	98
67) Ethyl Benzene	11.965	91	1981529	55.448	ug/l	98
68) m/p-Xylenes	12.071	106	1561329	111.191	ug/l	99
69) o-Xylene	12.401	106	769830	55.573	ug/l	99
70) Styrene	12.413	104	1247718	55.971	ug/l	99
71) Bromoform	12.583	173	281720	54.616	ug/l #	99
73) Isopropylbenzene	12.701	105	1999753	52.608	ug/l	100
74) N-amyl acetate	12.495	43	588938	40.883	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.942	83	558601	46.826	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	469458m	50.374	ug/l	
77) Bromobenzene	12.983	156	423319	54.769	ug/l	91
78) n-propylbenzene	13.036	91	2311817	55.042	ug/l	100
79) 2-Chlorotoluene	13.130	91	1345113	53.187	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1670889	55.034	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	209219	50.520	ug/l	85
82) 4-Chlorotoluene	13.224	91	1300206	54.528	ug/l	100
83) tert-Butylbenzene	13.442	119	1439564	53.269	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	1630058	54.345	ug/l	100
85) sec-Butylbenzene	13.618	105	2094435	55.611	ug/l	100
86) p-Isopropyltoluene	13.730	119	1682600	56.846	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	799999	55.946	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	794000	56.307	ug/l	98
89) n-Butylbenzene	14.059	91	1468460	59.761	ug/l	99
90) Hexachloroethane	14.336	117	340315	52.584	ug/l	96
91) 1,2-Dichlorobenzene	14.107	146	778454	54.418	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	103363	45.720	ug/l	94
93) 1,2,4-Trichlorobenzene	15.371	180	290256	56.208	ug/l	98
94) Hexachlorobutadiene	15.465	225	164093	54.896	ug/l	98
95) Naphthalene	15.589	128	1046932	53.970	ug/l	100
96) 1,2,3-Trichlorobenzene	15.753	180	262405	53.125	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Apr 06 08:27:03 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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Supervised By :Mahesh Dadoda 04/22/2023

TIC: VN077389.D\data.ms

Abundance

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

5400000
5200000
5000000
4800000
4600000
4400000
4200000
4000000
3800000
3600000
3400000
3200000
3000000
2800000
2600000
2400000
2200000
2000000
1800000
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
1,1-Dichloroethane, C
Methyl Iodide, T
Carbon Disulfide, T
Methyl Acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, I
Methyl 2-Dichloroethyl Ether, T
1,1-Dichloroethane, P
Disopropyl ether, T
Vinyl Acetate, T
Ethyl Acetate, T
2-Bromopropane, T
Methacrylonitrile, T
Chloroform, C
Pentyl Acetate, T
1,2-Dichloroethane, S
1,2-Dibromopropane, T
1,4-Difluorobenzene, I
Trichloroethene, TM
Dibromodichloromethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
Toluene, CM
Toluene, 48, S
Ethyl Chloroacetate, T
1,1,2-Trichloroethane, T
1,3-Dichloropropane, T
Dibromochloromethane, T
1,2-Dibromochloroethane, T
Chlorobenzene, T
1,4-Dichlorobenzene, PM
1,1,1,2-Tetrachloroethane, C
mp, Xylenes, T
Styrene, Xylene, T
Isopropylbenzene, T
n-propylbenzene, T
1,3,5-Trimethylbenzene, T
4-Chlorotoluene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,2,4-Trimethylbenzene, T
p-Butylbenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorobenzene, T
1,2,3-Trichlorobenzene, T