

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051523\
 Data File : VN077675.D
 Acq On : 15 May 2023 17:37
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

Quant Time: May 16 02:48:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 02:47:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	433847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	791189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	703594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	309147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	323063	49.767	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.540%		
35) Dibromofluoromethane	8.171	113	265813	51.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.040%		
50) Toluene-d8	10.571	98	1025053	51.618	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.240%		
62) 4-Bromofluorobenzene	12.853	95	354109	50.489	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.980%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.130	85	260104	52.680	ug/l	98
3) Chloromethane	2.365	50	265166	50.677	ug/l	98
4) Vinyl Chloride	2.512	62	315758	50.724	ug/l	99
5) Bromomethane	2.947	94	218709	47.460	ug/l	97
6) Chloroethane	3.124	64	215792	47.956	ug/l	96
7) Trichlorofluoromethane	3.500	101	431063	49.688	ug/l	99
8) Diethyl Ether	3.965	74	154617	48.819	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	234989	48.946	ug/l	98
10) Methyl Iodide	4.594	142	287372	50.190	ug/l	96
11) Tert butyl alcohol	5.530	59	218058	243.400	ug/l	98
12) 1,1-Dichloroethene	4.347	96	227274	49.807	ug/l	83
13) Acrolein	4.189	56	147724	267.004	ug/l	98
14) Allyl chloride	5.024	41	310340	46.178	ug/l	94
15) Acrylonitrile	5.718	53	583461	243.773	ug/l	99
16) Acetone	4.430	43	473541	230.360	ug/l	94
17) Carbon Disulfide	4.712	76	579848	47.161	ug/l	100
18) Methyl Acetate	5.036	43	415417	48.486	ug/l	89
19) Methyl tert-butyl Ether	5.800	73	827802	50.119	ug/l	99
20) Methylene Chloride	5.283	84	264764	49.800	ug/l	88
21) trans-1,2-Dichloroethene	5.794	96	252410	49.244	ug/l	86
22) Diisopropyl ether	6.677	45	769681	48.986	ug/l #	93
23) Vinyl Acetate	6.606	43	2414147	247.985	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	476709	49.523	ug/l	97
25) 2-Butanone	7.488	43	760984	238.196	ug/l	91
26) 2,2-Dichloropropane	7.500	77	430864	52.685	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	305228	49.663	ug/l	91
28) Bromochloromethane	7.818	49	207399	49.819	ug/l	87
29) Tetrahydrofuran	7.841	42	500544	239.276	ug/l #	84
30) Chloroform	7.971	83	508737	48.044	ug/l	94
31) Cyclohexane	8.265	56	414238	46.951	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	457133	50.777	ug/l	98
36) 1,1-Dichloropropene	8.377	75	385775	51.122	ug/l	96
37) Ethyl Acetate	7.565	43	321508	47.801	ug/l	95
38) Carbon Tetrachloride	8.371	117	394419	51.760	ug/l	98
39) Methylcyclohexane	9.606	83	475457	51.465	ug/l	92
40) Benzene	8.612	78	1116837	50.153	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051523\
 Data File : VN077675.D
 Acq On : 15 May 2023 17:37
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

Quant Time: May 16 02:48:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 02:47:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	173135	48.335	ug/l	92
42) 1,2-Dichloroethane	8.677	62	393597	48.657	ug/l	97
43) Isopropyl Acetate	8.694	43	541846	49.320	ug/l	95
44) Trichloroethene	9.359	130	280973	49.830	ug/l	97
45) 1,2-Dichloropropane	9.624	63	288302	50.757	ug/l	97
46) Dibromomethane	9.712	93	198228	48.771	ug/l	96
47) Bromodichloromethane	9.894	83	399294	51.313	ug/l	98
48) Methyl methacrylate	9.688	41	262465	50.389	ug/l	86
49) 1,4-Dioxane	9.694	88	98718	1003.333	ug/l #	91
51) 4-Methyl-2-Pentanone	10.447	43	1646597	252.145	ug/l	93
52) Toluene	10.635	92	714965	51.572	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	429867	52.166	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	472670	52.051	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	272839	49.566	ug/l	92
56) Ethyl methacrylate	10.882	69	428670	51.505	ug/l #	90
57) 1,3-Dichloropropane	11.171	76	477451	50.596	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	1035696	252.946	ug/l	92
59) 2-Hexanone	11.200	43	1215559	251.656	ug/l	92
60) Dibromochloromethane	11.365	129	297181	52.296	ug/l	100
61) 1,2-Dibromoethane	11.476	107	287155	52.291	ug/l	98
64) Tetrachloroethene	11.112	164	239677	48.711	ug/l	98
65) Chlorobenzene	11.900	112	753915	49.427	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	275000	52.105	ug/l	98
67) Ethyl Benzene	11.970	91	1397751	51.136	ug/l	99
68) m/p-Xylenes	12.076	106	1054504	101.814	ug/l	97
69) o-Xylene	12.406	106	523367	51.382	ug/l	98
70) Styrene	12.417	104	841346	51.997	ug/l	97
71) Bromoform	12.582	173	192320	54.777	ug/l #	99
73) Isopropylbenzene	12.700	105	1363624	51.171	ug/l	100
74) N-amyl acetate	12.500	43	485303	49.269	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.947	83	395796	48.279	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	377605m	50.579	ug/l	
77) Bromobenzene	12.988	156	294459	48.420	ug/l	96
78) n-propylbenzene	13.041	91	1580225	50.298	ug/l	100
79) 2-Chlorotoluene	13.129	91	931399	49.682	ug/l	100
80) 1,3,5-Trimethylbenzene	13.182	105	1118734	49.950	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	122245	50.472	ug/l	92
82) 4-Chlorotoluene	13.229	91	905933	48.569	ug/l	99
83) tert-Butylbenzene	13.447	119	993637	50.819	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	1108475	50.323	ug/l	98
85) sec-Butylbenzene	13.623	105	1424620	51.268	ug/l	99
86) p-Isopropyltoluene	13.735	119	1151671	51.987	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	547474	48.679	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	543544	48.704	ug/l	99
89) n-Butylbenzene	14.064	91	1036293	50.859	ug/l	99
90) Hexachloroethane	14.341	117	196188	53.909	ug/l	92
91) 1,2-Dichlorobenzene	14.111	146	527611	50.217	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	77307	48.707	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	300557	48.952	ug/l	96
94) Hexachlorobutadiene	15.506	225	131433	51.558	ug/l	99
95) Naphthalene	15.647	128	1018303	48.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	300898	50.054	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051523\
Data File : VN077675.D
Acq On : 15 May 2023 17:37
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

Quant Time: May 16 02:48:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 02:47:47 2023
Response via : Initial Calibration

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

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

