

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055750.D
 Acq On : 23 May 2019 13:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:20 AM

Quant Time: May 24 06:41:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	386460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	530999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166814	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	18549	4.42	ug/l	0.00
Spiked Amount			Recovery	=	8.84%	
35) Dibromofluoromethane	7.59	113	15774	4.68	ug/l	0.00
Spiked Amount			Recovery	=	9.36%	
50) Toluene-d8	10.09	98	61941	4.85	ug/l	0.00
Spiked Amount			Recovery	=	9.70%	
62) 4-Bromofluorobenzene	12.40	95	19691	4.46	ug/l	0.00
Spiked Amount			Recovery	=	8.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	13596	4.658	ug/l	97
3) Chloromethane	2.06	50	17673	4.490	ug/l	98
4) Vinyl Chloride	2.18	62	18555	4.370	ug/l	99
5) Bromomethane	2.53	94	13977	5.141	ug/l	93
6) Chloroethane	2.68	64	11754	4.929	ug/l	96
7) Trichlorofluoromethane	3.00	101	24684	4.535	ug/l	96
8) Diethyl Ether	3.40	74	10362	4.678	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	15995	4.808	ug/l	99
10) Methyl Iodide	3.94	142	18855	3.905	ug/l	98
11) Tert butyl alcohol	4.81	59	15091	19.126	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	15832	4.522	ug/l	98
13) Acrolein	3.60	56	14970	32.985	ug/l	99
14) Allyl chloride	4.31	41	27114	4.790	ug/l	97
15) Acrylonitrile	4.99	53	40476	23.093	ug/l	99
16) Acetone	3.82	43	40455	23.347	ug/l	97
17) Carbon Disulfide	4.04	76	45767	4.705	ug/l	98
18) Methyl Acetate	4.32	43	20856	5.630	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	52020	4.502	ug/l	96
20) Methylene Chloride	4.54	84	17922	4.572	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	17300	4.645	ug/l	97
22) Diisopropyl ether	5.95	45	51338	4.562	ug/l	97
23) Vinyl Acetate	5.89	43	214432	22.461	ug/l	98
24) 1,1-Dichloroethane	5.84	63	30357	4.631	ug/l	98
25) 2-Butanone	6.84	43	56443	23.374	ug/l	100
26) 2,2-Dichloropropane	6.82	77	26352	4.539	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	19217	4.415	ug/l	97
28) Bromochloromethane	7.19	49	13566	4.687	ug/l	98
29) Tetrahydrofuran	7.22	42	36457	22.836	ug/l	99
30) Chloroform	7.37	83	30381	4.500	ug/l	97
31) Cyclohexane	7.65	56	33511	5.358	ug/l #	80
32) 1,1,1-Trichloroethane	7.57	97	26822	4.437	ug/l	98
36) 1,1-Dichloropropene	7.79	75	23788	5.051	ug/l	98
37) Ethyl Acetate	6.93	43	22017	5.159	ug/l	99
38) Carbon Tetrachloride	7.77	117	24049	4.769	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055750.D
 Acq On : 23 May 2019 13:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:20 AM

Quant Time: May 24 06:41:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	28983	5.074	ug/l	98
40) Benzene	8.04	78	68538	4.918	ug/l	97
41) Methacrylonitrile	7.18	41	11327	6.114	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	22916	5.087	ug/l	99
43) Isopropyl Acetate	8.17	43	36438	4.900	ug/l #	90
44) Trichloroethene	8.83	130	19608	4.991	ug/l	98
45) 1,2-Dichloropropane	9.12	63	18411	5.020	ug/l	95
46) Dibromomethane	9.21	93	12017	4.999	ug/l	99
47) Bromodichloromethane	9.40	83	23715	4.726	ug/l	97
48) Methyl methacrylate	9.20	41	16144	4.846	ug/l	94
49) 1,4-Dioxane	9.20	88	7188	108.873	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	106717	24.289	ug/l	100
52) Toluene	10.15	92	42341	4.832	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	24326	4.513	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	27618	4.675	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	17325	4.808	ug/l	98
56) Ethyl methacrylate	10.43	69	25209	4.479	ug/l	93
57) 1,3-Dichloropropane	10.71	76	27609	4.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	47875	20.487	ug/l	99
59) 2-Hexanone	10.75	43	74814	24.229	ug/l	99
60) Dibromochloromethane	10.90	129	19386	4.746	ug/l	98
61) 1,2-Dibromoethane	11.00	107	17535	4.859	ug/l	98
64) Tetrachloroethene	10.63	164	19684	5.559	ug/l	98
65) Chlorobenzene	11.43	112	45674	5.077	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	17969	4.971	ug/l	99
67) Ethyl Benzene	11.51	91	81427	5.068	ug/l	98
68) m/p-Xylenes	11.62	106	60847	10.028	ug/l	99
69) o-Xylene	11.95	106	29605	4.973	ug/l	99
70) Styrene	11.96	104	45980	4.658	ug/l	99
71) Bromoform	12.13	173	14642	4.768	ug/l #	99
73) Isopropylbenzene	12.25	105	81416	5.973	ug/l	100
74) N-amyl acetate	12.07	43	28192	6.009	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	23818	5.675	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	17253m	5.018	ug/l	
77) Bromobenzene	12.53	156	20187	5.853	ug/l	98
78) n-propylbenzene	12.59	91	82013	5.551	ug/l	100
79) 2-Chlorotoluene	12.67	91	52434	5.826	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	67277	5.877	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	6940	5.305	ug/l	96
82) 4-Chlorotoluene	12.77	91	46940	5.389	ug/l	99
83) tert-Butylbenzene	12.99	119	61105	6.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	65576	5.816	ug/l	100
85) sec-Butylbenzene	13.17	105	73687	5.777	ug/l	100
86) p-Isopropyltoluene	13.29	119	64500	5.502	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	28970	5.113	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	27001	5.010	ug/l	94
89) n-Butylbenzene	13.62	91	46764	5.135	ug/l	99
90) Hexachloroethane	13.87	117	12177	5.441	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	29867	5.289	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3829	5.128	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
Data File : VN055750.D
Acq On : 23 May 2019 13:12
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:20 AM

Quant Time: May 24 06:41:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 05:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	12436	4.390	ug/l	99
94) Hexachlorobutadiene	15.01	225	13437	6.687	ug/l	97
95) Naphthalene	15.13	128	33281	4.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	14250	4.769	ug/l	99

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

