

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052825.D
 Acq On : 12 Dec 2018 14:19
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:02 PM

Quant Time: Dec 13 00:42:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 00:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1008657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1570352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1367573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	601216	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	56084	5.23	ug/l	0.00
Spiked Amount			Recovery	=	10.46%	
35) Dibromofluoromethane	7.59	113	45435	5.18	ug/l	0.00
Spiked Amount			Recovery	=	10.36%	
50) Toluene-d8	10.09	98	190547	5.01	ug/l	0.00
Spiked Amount			Recovery	=	10.02%	
62) 4-Bromofluorobenzene	12.40	95	61454	4.77	ug/l	0.00
Spiked Amount			Recovery	=	9.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	56616	5.453	ug/l	97
3) Chloromethane	2.06	50	68305	5.481	ug/l	97
4) Vinyl Chloride	2.19	62	68860	5.523	ug/l	99
5) Bromomethane	2.57	94	42189	5.486	ug/l	99
6) Chloroethane	2.71	64	41212	5.592	ug/l	98
7) Trichlorofluoromethane	3.02	101	84942	5.495	ug/l	98
8) Diethyl Ether	3.42	74	31360	5.562	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	53425	5.577	ug/l	98
10) Methyl Iodide	3.95	142	57888	4.315	ug/l	99
11) Tert butyl alcohol	4.78	59	15484	25.839	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	51052	5.505	ug/l	97
13) Acrolein	3.61	56	16974	30.085	ug/l	98
14) Allyl chloride	4.33	41	83455	5.510	ug/l	95
15) Acrylonitrile	4.99	53	89056	26.490	ug/l	97
16) Acetone	3.82	43	70320	29.194	ug/l	96
17) Carbon Disulfide	4.06	76	147758	5.187	ug/l	97
18) Methyl Acetate	4.33	43	46026	5.207	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	134882	5.358	ug/l	100
20) Methylene Chloride	4.55	84	59698	5.507	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	54343	5.409	ug/l	100
22) Diisopropyl ether	5.95	45	177110	5.481	ug/l	98
23) Vinyl Acetate	5.90	43	521949	27.145	ug/l	99
24) 1,1-Dichloroethane	5.85	63	102609	5.506	ug/l	99
25) 2-Butanone	6.84	43	103796	27.771	ug/l	97
26) 2,2-Dichloropropane	6.83	77	72972	5.318	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	62812	5.508	ug/l	99
28) Bromochloromethane	7.19	49	44829	5.357	ug/l	100
29) Tetrahydrofuran	7.21	42	71857	28.162	ug/l	98
30) Chloroform	7.37	83	100716	5.542	ug/l	98
31) Cyclohexane	7.66	56	108533	5.224	ug/l #	77
32) 1,1,1-Trichloroethane	7.57	97	82899	5.453	ug/l	100
36) 1,1-Dichloropropene	7.80	75	76159	5.267	ug/l	99
37) Ethyl Acetate	6.93	43	47837	5.507	ug/l	99
38) Carbon Tetrachloride	7.78	117	69667	5.234	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052825.D
 Acq On : 12 Dec 2018 14:19
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:02 PM

Quant Time: Dec 13 00:42:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 00:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	95289	5.370	ug/l	98
40) Benzene	8.04	78	233604	5.382	ug/l	98
41) Methacrylonitrile	7.17	41	25569	5.312	ug/l	96
42) 1,2-Dichloroethane	8.13	62	71680	5.486	ug/l	99
43) Isopropyl Acetate	8.16	43	98743	5.544	ug/l #	83
44) Trichloroethene	8.84	130	64992	5.544	ug/l	95
45) 1,2-Dichloropropane	9.12	63	61745	5.431	ug/l	100
46) Dibromomethane	9.21	93	36598	5.551	ug/l	99
47) Bromodichloromethane	9.40	83	72800	5.325	ug/l	99
48) Methyl methacrylate	9.20	41	40794	5.223	ug/l	99
49) 1,4-Dioxane	9.20	88	9890	111.549	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	217817	26.670	ug/l	99
52) Toluene	10.16	92	142565	5.423	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	68934	5.011	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	84741	5.169	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	51345	5.472	ug/l	97
56) Ethyl methacrylate	10.43	69	60709	5.041	ug/l	100
57) 1,3-Dichloropropane	10.71	76	88001	5.469	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	168651	25.099	ug/l	99
59) 2-Hexanone	10.75	43	150550	26.898	ug/l	98
60) Dibromochloromethane	10.90	129	51788	5.107	ug/l	99
61) 1,2-Dibromoethane	11.01	107	50357	5.429	ug/l	96
64) Tetrachloroethene	10.63	164	64519	5.489	ug/l	98
65) Chlorobenzene	11.43	112	156599	5.519	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	52252	5.295	ug/l	98
67) Ethyl Benzene	11.51	91	265579	5.451	ug/l	99
68) m/p-Xylenes	11.62	106	197409	10.790	ug/l	99
69) o-Xylene	11.95	106	96223	5.386	ug/l	99
70) Styrene	11.96	104	150578	5.243	ug/l	99
71) Bromoform	12.13	173	34613	5.163	ug/l #	99
73) Isopropylbenzene	12.25	105	250907	5.590	ug/l	100
74) N-amyl acetate	12.07	43	63603	5.161	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	57179	5.684	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	50655m	5.052	ug/l	
77) Bromobenzene	12.53	156	62942	5.513	ug/l	99
78) n-propylbenzene	12.59	91	279533	5.460	ug/l	100
79) 2-Chlorotoluene	12.68	91	170906	5.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	203609	5.619	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	13414	4.858	ug/l	91
82) 4-Chlorotoluene	12.77	91	172349	5.570	ug/l	99
83) tert-Butylbenzene	12.99	119	180207	5.638	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	204555	5.576	ug/l	99
85) sec-Butylbenzene	13.17	105	238723	5.515	ug/l	100
86) p-Isopropyltoluene	13.29	119	207954	5.545	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	109614	5.403	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	110396	5.494	ug/l	95
89) n-Butylbenzene	13.62	91	162157	5.136	ug/l	99
90) Hexachloroethane	13.88	117	33129	5.275	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	109585	5.615	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	8197	5.405	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
Data File : VN052825.D
Acq On : 12 Dec 2018 14:19
Operator : MD\SY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
12/13/2018 1:36:02 PM

Quant Time: Dec 13 00:42:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 00:28:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50180	4.730	ug/l	98
94) Hexachlorobutadiene	15.01	225	35049	5.708	ug/l	99
95) Naphthalene	15.13	128	101054	4.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	45326	4.656	ug/l	100

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

