

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027326.D
 Acq On : 21 Sep 2015 10:46
 Operator : MD\FY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:27:45 PM

Quant Time: Sep 21 12:20:48 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 12:16:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	626960	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1131258	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	954476	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	334820	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	60167	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
36) Dibromofluoromethane	7.67	113	35078	4.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.94%	
51) Toluene-d8	10.19	98	140144	4.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.12%	
63) 4-Bromofluorobenzene	12.52	95	48891	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	32805	4.37	ug/l	99
3) Chlorodifluoromethane	1.82	51	37727	4.35	ug/l	94
4) Chloromethane	2.01	50	37628	4.17	ug/l	94
5) Vinyl Chloride	2.14	62	41416	4.67	ug/l	96
6) Bromomethane	2.54	94	16091	3.57	ug/l	91
7) Chloroethane	2.69	64	26715	4.44	ug/l	100
8) Trichlorofluoromethane	3.02	101	62317	4.66	ug/l	90
9) Diethyl Ether	3.43	74	26235	4.26	ug/l	92
10) 1,1,2-Trichlorotrifluoroet	3.79	101	39582	4.71	ug/l	94
11) Methyl Iodide	3.99	142	15742	1.93	ug/l	90
12) Tert butyl alcohol	4.80	59	26141	20.81	ug/l #	84
13) 1,1-Dichloroethene	3.77	96	35922	4.46	ug/l	90
14) Acrolein	3.62	56	24885	16.86	ug/l #	50
15) Allyl chloride	4.37	41	69057	4.25	ug/l #	82
16) Acrylonitrile	5.04	53	78708	19.16	ug/l	93
17) Acetone	3.83	43	83910	24.23	ug/l	96
18) Carbon Disulfide	4.11	76	109214	4.17	ug/l	100
19) Methyl Acetate	4.37	43	98809	3.94	ug/l	97
20) Methyl tert-butyl Ether	5.12	73	145145	4.49	ug/l	96
21) Methylene Chloride	4.60	84	46475	4.82	ug/l	95
22) trans-1,2-Dichloroethene	5.12	96	38552	4.43	ug/l	95
23) Diisopropyl ether	6.03	45	151562	4.44	ug/l #	79
24) Vinyl Acetate	5.98	43	180443m	15.98	ug/l	
25) 1,1-Dichloroethane	5.93	63	90151	4.55	ug/l	98
26) 2-Butanone	6.92	43	106670	20.45	ug/l	92
27) 2,2-Dichloropropane	6.92	77	77787	4.52	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	46241	4.63	ug/l	95
29) Bromochloromethane	7.29	49	33930	4.41	ug/l	97
30) Tetrahydrofuran	7.32	42	66535	18.51	ug/l #	88
31) Chloroform	7.45	83	84416	4.71	ug/l	96
32) Cyclohexane	7.77	56	99066	4.50	ug/l #	84
33) 1,1,1-Trichloroethane	7.67	97	72613	4.55	ug/l	98
37) 1,1-Dichloropropene	7.89	75	61229	4.62	ug/l	100
38) Ethyl Acetate	7.03	43	46277	3.80	ug/l	97

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027326.D
 Acq On : 21 Sep 2015 10:46
 Operator : MD\FY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:27:45 PM

Quant Time: Sep 21 12:20:48 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 12:16:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	59408	4.77	ug/l	95
40) Methylcyclohexane	9.19	83	78297	4.86	ug/l	97
41) Benzene	8.14	78	182888	4.73	ug/l	98
42) Methacrylonitrile	7.24	41	25071	3.92	ug/l #	82
43) 1,2-Dichloroethane	8.22	62	75422	4.85	ug/l	95
44) Isopropyl Acetate	8.25	43	90040	4.25	ug/l	99
45) Trichloroethene	8.94	130	36123	4.65	ug/l	89
46) 1,2-Dichloropropane	9.22	63	51182	4.60	ug/l	96
47) Dibromomethane	9.31	93	30014	4.60	ug/l	91
48) Bromodichloromethane	9.49	83	62238	4.52	ug/l	99
49) Methyl methacrylate	9.29	41	43248	4.10	ug/l #	86
50) 1,4-Dioxane	9.31	88	10976	88.76	ug/l	92
52) 4-Methyl-2-Pentanone	10.07	43	234397	20.95	ug/l	97
53) Toluene	10.26	92	110426	4.88	ug/l	96
54) t-1,3-Dichloropropene	10.47	75	65706	4.25	ug/l	97
55) cis-1,3-Dichloropropene	9.93	75	74940	4.46	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	39570	4.65	ug/l	96
57) Ethyl methacrylate	10.52	69	61081	4.26	ug/l #	90
58) 1,3-Dichloropropane	10.80	76	75418	4.78	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	136206	20.70	ug/l	96
60) 2-Hexanone	10.84	43	161716	21.23	ug/l	99
61) Dibromochloromethane	11.00	129	39557	4.55	ug/l	94
62) 1,2-Dibromoethane	11.11	107	37786	4.52	ug/l	98
65) Tetrachloroethene	10.74	164	30509	5.00	ug/l	92
66) Chlorobenzene	11.54	112	108300	4.81	ug/l	97
67) 1,1,1,2-Tetrachloroethane	11.62	131	37252	4.85	ug/l	97
68) Ethyl Benzene	11.62	91	201438	4.71	ug/l	98
69) m/p-Xylenes	11.73	106	138073	9.37	ug/l	93
70) o-Xylene	12.06	106	71462	4.84	ug/l	96
71) Styrene	12.07	104	105349	4.42	ug/l	92
72) Bromoform	12.24	173	23524	4.40	ug/l #	97
74) Isopropylbenzene	12.36	105	184480	5.00	ug/l	99
75) N-amyl acetate	12.17	43	67798	4.12	ug/l	98
76) 1,1,2,2-Tetrachloroethane	12.61	83	50905	4.65	ug/l	100
77) 1,2,3-Trichloropropane	12.66	75	45598m	4.51	ug/l	
78) Bromobenzene	12.64	156	36148	5.00	ug/l	96
79) n-propylbenzene	12.71	91	210343	4.85	ug/l	96
80) 2-Chlorotoluene	12.79	91	133127	5.11	ug/l	94
81) 1,3,5-Trimethylbenzene	12.85	105	145386	4.90	ug/l	94
82) trans-1,4-Dichloro-2-buten	12.40	75	17472	4.24	ug/l	92
83) 4-Chlorotoluene	12.89	91	122161	4.77	ug/l	97
84) tert-Butylbenzene	13.11	119	121493	4.97	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	144262	4.85	ug/l	97
86) sec-Butylbenzene	13.29	105	171311	4.78	ug/l	99
87) p-Isopropyltoluene	13.41	119	127872	4.63	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	60062	4.85	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	57704	4.60	ug/l	86
90) n-Butylbenzene	13.74	91	119220	4.45	ug/l	98
91) Hexachloroethane	14.01	117	27315	4.52	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	60545	4.95	ug/l	95

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
Data File : VN027326.D
Acq On : 21 Sep 2015 10:46
Operator : MD\FY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:27:45 PM

Quant Time: Sep 21 12:20:48 2015
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 21 12:16:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	8887	3.71	ug/l	81
94) 1,2,4-Trichlorobenzene	15.05	180	24629	3.73	ug/l	92
95) Hexachlorobutadiene	15.16	225	17275	4.96	ug/l	97
96) Naphthalene	15.29	128	64055	3.31	ug/l	98
97) 1,2,3-Trichlorobenzene	15.48	180	25341	3.86	ug/l	98

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

