

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027169.D
 Acq On : 15 Sep 2015 15:56
 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
 9/16/2015 11:45:55 AM

Quant Time: Sep 15 17:49:00 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 17:32:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	603488	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1132505	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	952697	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	334347	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	61639	7.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.58%	
36) Dibromofluoromethane	7.68	113	39684	5.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.44%	
51) Toluene-d8	10.19	98	153204	5.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.06%	
63) 4-Bromofluorobenzene	12.52	95	50518	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	33855	7.03	ug/l	100
3) Chlorodifluoromethane	1.82	51	41608	6.27	ug/l #	92
4) Chloromethane	2.01	50	42584	5.78	ug/l	99
5) Vinyl Chloride	2.14	62	41538	5.73	ug/l	92
6) Bromomethane	2.54	94	19461	4.85	ug/l	96
7) Chloroethane	2.68	64	29482	7.39	ug/l	100
8) Trichlorofluoromethane	3.02	101	63859	7.35	ug/l	98
9) Diethyl Ether	3.43	74	27920	7.16	ug/l	90
10) 1,1,2-Trichlorotrifluoroet	3.79	101	40371	6.77	ug/l	97
11) Methyl Iodide	3.99	142	35884	5.21	ug/l #	88
12) Tert butyl alcohol	4.81	59	34270	60.72	ug/l #	74
13) 1,1-Dichloroethene	3.76	96	38441	6.72	ug/l	96
14) Acrolein	3.63	56	35522	36.21	ug/l	99
15) Allyl chloride	4.37	41	79819	8.20	ug/l #	84
16) Acrylonitrile	5.03	53	91472	33.77	ug/l	97
17) Acetone	3.83	43	85853	36.68	ug/l	96
18) Carbon Disulfide	4.11	76	122986	6.86	ug/l	99
19) Methyl Acetate	4.37	43	118003	7.65	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	154943	7.99	ug/l	99
21) Methylene Chloride	4.60	84	46460	6.67	ug/l	99
22) trans-1,2-Dichloroethene	5.13	96	42990	6.70	ug/l	98
23) Diisopropyl ether	6.04	45	163297	7.76	ug/l #	85
24) Vinyl Acetate	5.98	43	257506m	40.76	ug/l	
25) 1,1-Dichloroethane	5.93	63	96792	8.11	ug/l	99
26) 2-Butanone	6.93	43	132222	41.18	ug/l	99
27) 2,2-Dichloropropane	6.92	77	81612	8.66	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	46908	6.26	ug/l	91
29) Bromochloromethane	7.29	49	36528	6.36	ug/l	96
30) Tetrahydrofuran	7.32	42	81740	38.70	ug/l	90
31) Chloroform	7.46	83	88318	7.34	ug/l	98
32) Cyclohexane	7.76	56	102095	7.30	ug/l #	80
33) 1,1,1-Trichloroethane	7.67	97	76467	7.50	ug/l	96
37) 1,1-Dichloropropene	7.89	75	64183	6.04	ug/l	98
38) Ethyl Acetate	7.03	43	52704	6.99	ug/l #	93

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027169.D
 Acq On : 15 Sep 2015 15:56
 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
 9/16/2015 11:45:55 AM

Quant Time: Sep 15 17:49:00 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 17:32:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.89	117	64072	6.38	ug/l	96
40) Methylcyclohexane	9.19	83	77422	6.02	ug/l	97
41) Benzene	8.14	78	195871	5.97	ug/l	99
42) Methacrylonitrile	7.25	41	31883	6.53	ug/l	88
43) 1,2-Dichloroethane	8.22	62	76889	6.82	ug/l	98
44) Isopropyl Acetate	8.25	43	110402	8.08	ug/l	99
45) Trichloroethene	8.94	130	39059	4.89	ug/l	89
46) 1,2-Dichloropropane	9.22	63	55893	6.55	ug/l	98
47) Dibromomethane	9.31	93	32126	6.32	ug/l	92
48) Bromodichloromethane	9.49	83	68173	6.45	ug/l	96
49) Methyl methacrylate	9.29	41	52459	7.55	ug/l #	90
50) 1,4-Dioxane	9.30	88	12689	127.00	ug/l #	80
52) 4-Methyl-2-Pentanone	10.07	43	286576	36.99	ug/l	96
53) Toluene	10.26	92	112341	5.64	ug/l	100
54) t-1,3-Dichloropropene	10.48	75	73280	6.94	ug/l	96
55) cis-1,3-Dichloropropene	9.93	75	83047	6.77	ug/l #	89
56) 1,1,2-Trichloroethane	10.66	97	44758	5.89	ug/l	97
57) Ethyl methacrylate	10.52	69	71818	6.99	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	79593	6.33	ug/l	100
59) 2-Chloroethyl Vinyl ether	9.78	63	159208	39.84	ug/l	96
60) 2-Hexanone	10.84	43	200641	38.89	ug/l	99
61) Dibromochloromethane	11.00	129	42416	5.42	ug/l	97
62) 1,2-Dibromoethane	11.11	107	42496	5.85	ug/l	98
65) Tetrachloroethene	10.74	164	31268	4.60	ug/l	95
66) Chlorobenzene	11.54	112	111764	5.38	ug/l	98
67) 1,1,1,2-Tetrachloroethane	11.62	131	40340	5.63	ug/l	96
68) Ethyl Benzene	11.62	91	216905	6.21	ug/l	98
69) m/p-Xylenes	11.73	106	147567	11.37	ug/l	95
70) o-Xylene	12.06	106	74189	5.81	ug/l	92
71) Styrene	12.08	104	115738	5.64	ug/l	94
72) Bromoform	12.24	173	26686	5.38	ug/l #	99
74) Isopropylbenzene	12.36	105	197125	6.83	ug/l	99
75) N-amyl acetate	12.17	43	90347	10.23	ug/l	97
76) 1,1,2,2-Tetrachloroethane	12.61	83	58812	7.51	ug/l	96
77) 1,2,3-Trichloropropane	12.66	75	57218m	8.65	ug/l	
78) Bromobenzene	12.64	156	37797	5.44	ug/l	91
79) n-propylbenzene	12.71	91	222859	7.02	ug/l	99
80) 2-Chlorotoluene	12.79	91	140629	7.15	ug/l	97
81) 1,3,5-Trimethylbenzene	12.85	105	152325	6.95	ug/l	97
82) trans-1,4-Dichloro-2-buten	12.40	75	20800	8.94	ug/l	95
83) 4-Chlorotoluene	12.89	91	131665	6.92	ug/l	96
84) tert-Butylbenzene	13.11	119	134131	6.84	ug/l	92
85) 1,2,4-Trimethylbenzene	13.16	105	151531	6.86	ug/l	97
86) sec-Butylbenzene	13.29	105	187501	6.92	ug/l	99
87) p-Isopropyltoluene	13.41	119	142754	6.47	ug/l	96
88) 1,3-Dichlorobenzene	13.41	146	62455	5.20	ug/l	95
89) 1,4-Dichlorobenzene	13.49	146	62333	5.15	ug/l	91
90) n-Butylbenzene	13.74	91	127928	6.69	ug/l	99
91) Hexachloroethane	14.01	117	32581	7.41	ug/l	94
92) 1,2-Dichlorobenzene	13.78	146	61232	5.16	ug/l	92

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
Data File : VN027169.D
Acq On : 15 Sep 2015 15:56
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
9/16/2015 11:45:55 AM

Quant Time: Sep 15 17:49:00 2015
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 17:32:41 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	11795	10.12	ug/l	82
94) 1,2,4-Trichlorobenzene	15.06	180	30269	5.05	ug/l	96
95) Hexachlorobutadiene	15.16	225	17261	5.20	ug/l	96
96) Naphthalene	15.29	128	86918	6.06	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	29922	5.03	ug/l	98

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

