

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027175.D
 Acq On : 15 Sep 2015 20:06
 Operator : MD\FY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:47:23 AM

Quant Time: Sep 15 21:06:52 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	540158	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1022944	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	844042	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	285673	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
36) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
51) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
63) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	7686	1.78	ug/l	98
3) Chlorodifluoromethane	1.82	51	7699	1.30	ug/l #	75
4) Chloromethane	2.01	50	10462	1.59	ug/l	94
5) Vinyl Chloride	2.14	62	8936	1.38	ug/l	90
6) Bromomethane	2.54	94	5153	1.43	ug/l	88
7) Chloroethane	2.69	64	6375	1.78	ug/l	98
8) Trichlorofluoromethane	3.02	101	13484	1.73	ug/l	93
9) Diethyl Ether	3.43	74	6374	1.83	ug/l	74
10) 1,1,2-Trichlorotrifluoroet	3.79	101	8432	1.58	ug/l	92
11) Methyl Iodide	3.99	142	6578	1.07	ug/l	94
13) 1,1-Dichloroethene	3.76	96	8054	1.57	ug/l	94
15) Allvl chloride	4.37	41	15928	1.83	ug/l #	74
16) Acrylonitrile	5.06	53	17243m	7.11	ug/l	
17) Acetone	3.85	43	11913	5.69	ug/l	90
18) Carbon Disulfide	4.11	76	28541	1.78	ug/l	97
19) Methyl Acetate	4.38	43	19968	1.45	ug/l	91
20) Methyl tert-butyl Ether	5.12	73	32347	1.86	ug/l	99
21) Methylene Chloride	4.60	84	9813	1.57	ug/l	88
22) trans-1,2-Dichloroethene	5.12	96	8774m	1.53	ug/l	
23) Diisopropyl ether	6.04	45	33181	1.76	ug/l #	74
24) Vinyl Acetate	6.01	43	42893m	7.59	ug/l	
25) 1,1-Dichloroethane	5.94	63	20147	1.89	ug/l #	93
26) 2-Butanone	6.94	43	19549	6.80	ug/l	97
27) 2,2-Dichloropropane	6.92	77	16763m	1.99	ug/l	
28) cis-1,2-Dichloroethene	6.93	96	9659	1.44	ug/l	92
29) Bromochloromethane	7.30	49	7472	1.45	ug/l #	64
30) Tetrahydrofuran	7.34	42	19972m	10.57	ug/l	
31) Chloroform	7.45	83	16555	1.54	ug/l	96
32) Cyclohexane	7.76	56	34849	2.78	ug/l #	49
33) 1,1,1-Trichloroethane	7.67	97	15570	1.71	ug/l #	54
37) 1,1-Dichloropropene	7.90	75	13640	1.42	ug/l	97
38) Ethyl Acetate	7.04	43	15600m	2.29	ug/l	
39) Carbon Tetrachloride	7.88	117	12504	1.38	ug/l	90
40) Methylcyclohexane	9.19	83	17186	1.48	ug/l	99

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027175.D
 Acq On : 15 Sep 2015 20:06
 Operator : MD\FY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:47:23 AM

Quant Time: Sep 15 21:06:52 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)
41) Benzene	8.14	78	40073	1.35	ug/l	96
42) Methacrylonitrile	7.26	41	5429	1.23	ug/l #	64
43) 1,2-Dichloroethane	8.22	62	16382	1.61	ug/l	96
44) Isopropyl Acetate	8.25	43	18576	1.51	ug/l #	92
45) Trichloroethene	8.94	130	7725	1.07	ug/l	93
46) 1,2-Dichloropropane	9.22	63	12172	1.58	ug/l	98
47) Dibromomethane	9.30	93	7201	1.57	ug/l #	89
48) Bromodichloromethane	9.50	83	13875	1.45	ug/l	93
49) Methyl methacrylate	9.29	41	9883	1.58	ug/l #	90
50) 1,4-Dioxane	9.32	88	2511m	27.82	ug/l	
52) 4-Methyl-2-Pentanone	10.07	43	57031	8.15	ug/l	98
53) Toluene	10.26	92	23442	1.30	ug/l	95
54) t-1,3-Dichloropropene	10.48	75	15456	1.62	ug/l	99
55) cis-1,3-Dichloropropene	9.94	75	17202	1.55	ug/l	97
56) 1,1,2-Trichloroethane	10.66	97	8397	1.22	ug/l	93
57) Ethyl methacrylate	10.52	69	13919	1.50	ug/l #	93
58) 1,3-Dichloropropane	10.81	76	16240	1.43	ug/l	93
59) 2-Chloroethyl Vinyl ether	9.79	63	29826	8.26	ug/l	100
60) 2-Hexanone	10.84	43	35036	7.52	ug/l	98
61) Dibromochloromethane	11.01	129	8695	1.23	ug/l	92
62) 1,2-Dibromoethane	11.12	107	8197	1.25	ug/l	93
65) Tetrachloroethene	10.74	164	6494	1.08	ug/l #	82
66) Chlorobenzene	11.54	112	23725	1.29	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.61	131	7706	1.21	ug/l #	60
68) Ethyl Benzene	11.62	91	43597	1.41	ug/l	100
69) m/p-Xylenes	11.73	106	29407	2.56	ug/l	93
70) o-Xylene	12.06	106	14686	1.30	ug/l	93
71) Stvrene	12.08	104	22513	1.24	ug/l	90
72) Bromoform	12.24	173	5061	1.15	ug/l #	95
74) Isopropylbenzene	12.36	105	37900	1.54	ug/l	100
75) N-amyl acetate	12.17	43	15037	1.99	ug/l	97
76) 1,1,2,2-Tetrachloroethane	12.61	83	12490	1.87	ug/l	97
77) 1,2,3-Trichloropropane	12.66	75	10347m	1.83	ug/l	
78) Bromobenzene	12.64	156	7919	1.33	ug/l	100
79) n-propylbenzene	12.71	91	43029	1.59	ug/l	100
80) 2-Chlorotoluene	12.79	91	25543	1.52	ug/l	98
81) 1,3,5-Trimethylbenzene	12.85	105	30324	1.62	ug/l	91
82) trans-1,4-Dichloro-2-buten	12.40	75	4282	2.16	ug/l	92
83) 4-Chlorotoluene	12.89	91	24314	1.50	ug/l	96
84) tert-Butylbenzene	13.11	119	25082	1.50	ug/l	88
85) 1,2,4-Trimethylbenzene	13.16	105	30842	1.63	ug/l	91
86) sec-Butylbenzene	13.29	105	35439	1.53	ug/l	99
87) p-Isopropyltoluene	13.41	119	27598	1.46	ug/l	97
88) 1,3-Dichlorobenzene	13.41	146	12258	1.19	ug/l	90
89) 1,4-Dichlorobenzene	13.49	146	13550	1.31	ug/l	91
90) n-Butylbenzene	13.74	91	23898	1.46	ug/l	97
91) Hexachloroethane	14.01	117	6358	1.69	ug/l	82
92) 1,2-Dichlorobenzene	13.78	146	12236	1.21	ug/l	88
93) 1,2-Dibromo-3-Chloropropan	14.41	75	3016	3.03	ug/l	72
94) 1,2,4-Trichlorobenzene	15.06	180	5360	1.05	ug/l	93

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
Data File : VN027175.D
Acq On : 15 Sep 2015 20:06
Operator : MD\FY
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

MMDadoda
9/16/2015 11:47:23 AM

Quant Time: Sep 15 21:06:52 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)
95) Hexachlorobutadiene	15.16	225	3331	1.17	ug/l	93
96) Naphthalene	15.29	128	14198	1.16	ug/l	97
97) 1,2,3-Trichlorobenzene	15.48	180	5583	1.10	ug/l	94

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

