Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Sample Lab ID#: 2007402-045								
Barium	LFM	97	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Barium	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Barium	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Barium	QCS	114	% Recovery	70 - 130	EPA 6010B	222	ug/g wet	12/11/2007 2:00 AM
Barium	QCS	99	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Barium	Samp DUP	9.3	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Barium	Samp DUP	0.0	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Cadmium	LFB	97	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Cadmium	LFM	96	% Recovery	75 - 125	EPA 6010B	207	ug/g wet	12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Cadmium	LFM	98	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Cadmium	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Cadmium	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Cadmium	QCS	81	% Recovery	70 - 130	EPA 6010B	68	ug/g dry	12/11/2007 2:00 AM
Cadmium	QCS	97	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Cadmium	Samp DUP	0.0	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Cadmium	Samp DUP	0.0	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Calcium	LFB	98	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < MRL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LB, LRB, and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies
MDL = Method Detection Limit
MRL = Minimum Reporting Limit

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

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Calcium	LFM	ND	% Recovery	75 - 125	EPA 6010B	NA	ug/g wet	12/11/2007 2:00 AM
Spike amount <30% of native concentration. Spike recovery not calculated								
Sample Lab ID#: 2007402-045								
Calcium	LFM	100	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Calcium	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Calcium	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Calcium	QCS	117	% Recovery	70 - 130	EPA 6010B	3790	ug/g dry	12/11/2007 2:00 AM
Calcium	QCS	98	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Calcium	Samp DUP	43	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM
Matrix not homogenous for this analyte. Calcium result qualified.								
Sample Lab ID#: 2007402-045								
Calcium	Samp DUP	0.79	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Chloride	LFB	110	% Recovery	90 - 110	EPA 300.0	2.0	mg/L	11/13/2007 3:00 PM
Chloride	LFB2	97	% Recovery	90 - 110	EPA 300.0	30	mg/L	11/13/2007 3:00 PM
Chloride	LFM	113	% Recovery	80 - 120	EPA 300.0	750	mg/L	11/13/2007 3:00 PM
Sample Lab ID#: 2007402-030								
Chloride	LRB	ND	mg/L	ND	EPA 300.0	NA		11/13/2007 3:00 PM
Chloride	QCS	90	% Recovery	90 - 110	EPA 300.0	4.0	mg/L	11/13/2007 3:00 PM
Chloride	QCS2	100	% Recovery	90 - 110	EPA 300.0	40	mg/L	11/13/2007 3:00 PM
Chloride	Samp DUP	1.4	RPD	0 - 20	EPA 300.0	NA		11/13/2007 3:00 PM
Sample Lab ID#: 2007402-030								
Chromium	LFB	99	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Chromium	LFM	102	% Recovery	75 - 125	EPA 6010B	207	ug/g wet	12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- M = Analyte concentration > MDL but < MRL
- H = USEPA holding time exceeded
- J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LB, LRB, and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

MRL = Minimum Reporting Limit

LRB = Laboratory Reagent Blank

LB = Laboratory Blank (equiv. Method Blank)

LFB = Laboratory Fortified Blank (equiv. LCS)

LFM = Laboratory Fortified Sample Matrix (equiv. MS)

QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

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Contact: John Carrigan **Project Coordinator:** John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Chromium	LFM	97	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Chromium	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Chromium	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Chromium	QCS	87	% Recovery	70 - 130	EPA 6010B	86	ug/g dry	12/11/2007 2:00 AM
Chromium	QCS	98	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Chromium	Samp DUP	6.6	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Chromium	Samp DUP	0.0	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
COD	LFB	98	% Recovery	90 - 110	SM 5220 C	500	mg/L	10/25/2007 12:00 PM
COD	LFM	97	% Recovery	80 - 120	SM 5220 C	334	mg/L	10/25/2007 12:00 PM
Sample Lab ID#: 2007402-015								
COD	LRB	ND	mg/L	ND	SM 5220 C	NA		10/25/2007 12:00 PM
COD	QCS	98	% Recovery	85 - 115	SM 5220 C	500	mg/L	10/25/2007 12:00 PM
COD	Samp DUP	4.9	RPD	0 - 20	SM 5220 C	NA		10/25/2007 12:00 PM
Sample Lab ID#: 2007402-015								
Copper	LFB	100	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Copper	LFM	103	% Recovery	75 - 125	EPA 6010B	207	ug/g wet	12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Copper	LFM	95	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Copper	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Copper	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Copper	QCS	105	% Recovery	70 - 130	EPA 6010B	69	ug/g dry	12/11/2007 2:00 AM
Copper	QCS	98	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM

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H = USEPA holding time exceeded
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NA = Not applicable

B = Analyte detected in sample, and in LB, LRB, and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
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LRB = Laboratory Reagent Blank
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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

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Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Copper	Samp DUP	8.4	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Copper	Samp DUP	0.0	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Surrogate								
4-bromofluorobenzene	LFB	113	% Recovery	70 - 130	Modified EPA 524.2	5.0	ug/L	10/30/2007 12:57 PM
1,2-dichlorobenzene-D4	LFB	110	% Recovery	70 - 130	Modified EPA 524.2	5.0	ug/L	10/30/2007 12:57 PM
1,4-Dioxane	LFB	116	% Recovery	70 - 130	Modified EPA 524.2	10	ug/L	10/30/2007 12:57 PM
Surrogate								
4-bromofluorobenzene	Method Blank	107	% Recovery	70 - 130	Modified EPA 524.2	5.0	ug/L	10/30/2007 12:57 PM
1,2-dichlorobenzene-D4	Method Blank	104	% Recovery	70 - 130	Modified EPA 524.2	5.0	ug/L	10/30/2007 12:57 PM
1,4-Dioxane	Method Blank	ND	ug/L	ND	Modified EPA 524.2	NA		10/30/2007 12:57 PM
Surrogate								
4-bromofluorobenzene	MS	130	% Recovery	70 - 130	Modified EPA 524.2	5.0	ug/L	10/30/2007 12:57 PM
1,2-dichlorobenzene-D4	MS	122	% Recovery	70 - 130	Modified EPA 524.2	5.0	ug/L	10/30/2007 12:57 PM
1,4-Dioxane	MS	111	% Recovery	70 - 130	Modified EPA 524.2	10	ug/L	10/30/2007 12:57 PM
Sample Lab ID#: 2007402-013								
Surrogate								
4-bromofluorobenzene	Samp DUP	118	% Recovery	70 - 130	Modified EPA 524.2	5.0	ug/L	10/30/2007 12:57 PM
1,2-dichlorobenzene-D4	Samp DUP	125	% Recovery	70 - 130	Modified EPA 524.2	5.0	ug/L	10/30/2007 12:57 PM
1,4-Dioxane	Samp DUP	8.1	RPD	0 - 40	Modified EPA 524.2	NA		10/30/2007 12:57 PM
Sample Lab ID#: 2007402-034								
Hardness	LFB	98	% Recovery	85 - 115	SM 2340 B	17	mg/L as Ca	12/11/2007 12:00 PM
Hardness	LFM	96	% Recovery	75 - 125	SM 2340 B	132	mg/L as Ca	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								

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Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Hardness	LRB	ND	mg/L as CaCO	ND	SM 2340 B	NA		12/11/2007 12:00 PM
Hardness	QCS	98	% Recovery	80 - 120	SM 2340 B	17	mg/L as Ca	12/11/2007 12:00 PM
Hardness	Samp DUP	0.39	RPD	0 - 20	SM 2340 B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Iron	LFB	99	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Iron	LFM	ND	% Recovery	75 - 125	EPA 6010B	NA	ug/g wet	12/11/2007 2:00 AM
Spike amount <30% of native concentration. Spike recovery not calculated								
Sample Lab ID#: 2007402-045								
Iron	LFM	99	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Iron	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Iron	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Iron	QCS	133	% Recovery	70 - 130	EPA 6010B	11000	ug/g wet	12/11/2007 2:00 AM
Within the Acceptance Criteria of this Standard Reference Material, 6080 to 15900ug/g. Sample does not need to be Qualified.								
Iron	QCS	98	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Iron	Samp DUP	7.2	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Iron	Samp DUP	12	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Lead	LFB	98	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Lead	LFM	87	% Recovery	75 - 125	EPA 6010B	207	ug/g wet	12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Lead	LFM	98	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Lead	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Lead	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM

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Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Lead	QCS	98	% Recovery	70 - 130	EPA 6010B	98	ug/g dry	12/11/2007 2:00 AM
Lead	QCS	98	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Lead	Samp DUP	11	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Lead	Samp DUP	0.0	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Magnesium	LFB	97	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Magnesium	LFM	ND	% Recovery	75 - 125	EPA 6010B	NA	ug/g wet	12/11/2007 2:00 AM
Spike amount <30% of native concentration. Spike recovery not calculated								
Sample Lab ID#: 2007402-045								
Magnesium	LFM	94	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Magnesium	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Magnesium	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Magnesium	QCS	129	% Recovery	70 - 130	EPA 6010B	2370	ug/g wet	12/11/2007 2:00 AM
Magnesium	QCS	97	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Magnesium	Samp DUP	5.8	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Magnesium	Samp DUP	3.1	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Manganese	LFB	100	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Manganese	LFM	101	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Manganese	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Manganese	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Manganese	QCS	100	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM

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NA = Not applicable

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LB = Laboratory Blank (equiv. Method Blank)
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Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Manganese	Samp DUP	4.2	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Mercury	LFB	96	% Recovery	85 - 115	EPA 7470A	0.0025	mg/L	10/30/2007 4:00 PM
Mercury	LFM	100	% Recovery	75 - 125	EPA 7470A	0.0025	mg/L	10/30/2007 4:00 PM
Sample Lab ID#: 2007402-002								
Mercury	LRB	ND	mg/L	ND	EPA 7470A	NA		10/30/2007 4:00 PM
Mercury	QCS	96	% Recovery	70 - 130	EPA 7470A	0.0022	mg/L	10/30/2007 4:00 PM
Mercury	Samp DUP	0.0	RPD	0 - 20	EPA 7470A	NA		10/30/2007 4:00 PM
Sample Lab ID#: 2007402-002								
Mercury	LFB	102	% Recovery	85 - 115	EPA 7473	0.020	mg/L	10/30/2007 3:00 PM
Mercury	LFB2	101	% Recovery	85 - 115	EPA 7473	0.040	mg/L	10/30/2007 3:00 PM
Mercury	LFM	97	% Recovery	70 - 130	EPA 7473	0.35	ug/g wet	10/30/2007 3:00 PM
Sample Lab ID#: 2007402-045								
Mercury	LRB	ND	ug/g wet	ND	EPA 7473	NA		10/30/2007 3:00 PM
Mercury	QCS	109	% Recovery	70 - 130	EPA 7473	0.27	ug/g dry	10/30/2007 3:00 PM
Mercury	QCS2	103	% Recovery	70 - 130	EPA 7473	3.4	ug/g dry	10/30/2007 3:00 PM
Mercury	Samp DUP	1.3	RPD	0 - 35	EPA 7473	NA		10/30/2007 3:00 PM
Sample Lab ID#: 2007402-045								
Nitrate/Nitrite-N	LFB	102	% Recovery	85 - 115	EPA 353.1	0.40	mg/L	10/18/2007 12:07 PM
Nitrate/Nitrite-N	LFM2	93	% Recovery	85 - 115	EPA 353.1	0.91	mg/L	10/18/2007 12:07 PM
Sample Lab ID#: 2007389-005								
Nitrate/Nitrite-N	LFM3	92	% Recovery	85 - 115	EPA 353.1	0.91	mg/L	10/18/2007 12:07 PM
Sample Lab ID#: 2007393-003								
Nitrate/Nitrite-N	LRB	ND	mg/L	ND	EPA 353.1	NA		10/18/2007 12:07 PM
Nitrate/Nitrite-N	QCS	106	% Recovery	90 - 110	EPA 353.1	0.50	mg/L	10/18/2007 12:07 PM

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LB = Laboratory Blank (equiv. Method Blank)
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Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Nitrate/Nitrite-N	Samp DUP2	0.073	RPD	0 - 20	EPA 353.1	NA		10/18/2007 12:07 PM
Sample Lab ID#: 2007389-005								
Nitrate/Nitrite-N	Samp DUP3	0.76	RPD	0 - 20	EPA 353.1	NA		10/18/2007 12:07 PM
Sample Lab ID#: 2007393-003								
Solid Concentration	LRB	ND	%	ND	SM 2540 G	NA		10/29/2007 12:00 PM
Solid Concentration	Samp DUP	5.2	RPD	0 - 20	SM 2540 G	NA		10/29/2007 12:00 PM
Sample Lab ID#: 2007402-046								
Selenium	LFB	91	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Selenium	LFM	87	% Recovery	75 - 125	EPA 6010B	207	ug/g wet	12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Selenium	LFM	93	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Selenium	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Selenium	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Selenium	QCS	105	% Recovery	70 - 130	EPA 6010B	118	ug/g dry	12/11/2007 2:00 AM
Selenium	QCS	91	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Selenium	Samp DUP	0.0	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Selenium	Samp DUP	0.0	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								

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Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LB, LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies
MDL = Method Detection Limit
MRL = Minimum Reporting Limit

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Surrogate								
2-Fluorophenol **Not Analyzed**	LCS	#Error	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Phenol-D6 **Not Analyzed**	LCS	#Error	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
2-Fluorobiphenyl	LCS	76	% Recovery	30 - 130	EPA 8270C	40	ug/L	10/26/2007 12:54 PM
Tribromophenol **Not Analyzed**	LCS	#Error	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
4-Terphenyl-D14	LCS	87	% Recovery	30 - 130	EPA 8270C	40	ug/L	10/26/2007 12:54 PM
Phenol **Not Analyzed.**	LCS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
2-Chlorophenol **Not Analyzed.**	LCS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
NDPA	LCS	127	% Recovery	40 - 140	EPA 8270C	40	ug/L	10/26/2007 12:54 PM
2-Nitrophenol **Not Analyzed.**	LCS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Dichlorophenol **Not Analyzed.**	LCS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Naphthalene	LCS	81	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
4-Chloro-3-methylphenol **Not Analyzed.**	LCS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Hexachlorcyclopentadienne	LCS	18	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Trichlorophenol **Not Analyzed.**	LCS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Dimethyl phthalate	LCS	14	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Acenaphthylene	LCS	89	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM

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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

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LB = Laboratory Blank (equiv. Method Blank)
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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Acenaphthene	LCS	63	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
2,4-Dinitrophenol **Not Analyzed.**	LCS	ND	% Recovery	30 - 130	EPA 8270C	40	ug/L	10/26/2007 12:54 PM
4-Nitrophenol **Not Analyzed.**	LCS	ND	% Recovery	30 - 130	EPA 8270C	40	ug/L	10/26/2007 12:54 PM
Fluorene	LCS	64	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Diethylphthalate	LCS	62	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Pentachlorophenol **Not Analyzed.**	LCS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Phenanthrene	LCS	59	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Anthracene	LCS	56	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Dibutylphthalate	LCS	63	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Fluoranthene	LCS	75	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Pyrene	LCS	73	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Butylbenzylphthalate	LCS	50	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Bis(2-ethylhexyl)adipate	LCS	73	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Benzo(a)anthracene	LCS	68	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Chrysene	LCS	64	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Bis(2-ethylhexyl)phthalate	LCS	57	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Benzo(b)fluoranthene	LCS	50	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Benzo(k)fluoranthene	LCS	59	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Benzo(a)pyrene	LCS	57	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Indeno(1,2,3-cd)pyrene	LCS	66	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Dibenzo(ah)anthracene	LCS	66	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Benzo(ghi)perylene	LCS	65	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM

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Estimated Value:
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Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Surrogate								
2-Fluorophenol **Not Analyzed**	Method Blank	0.0	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Phenol-D6 **Not Analyzed**	Method Blank	0.0	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
2-Fluorobiphenyl **Surrogate recovery acceptable for detecting contaminants in sample.**	Method Blank	141	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Tribromophenol **Not Analyzed**	Method Blank	0.0	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
4-Terphenyl-D14	Method Blank	124	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Phenol **Not Analyzed.**	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
2-Chlorophenol **Not Analyzed.**	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
NDPA	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
2-Nitrophenol **Not Analyzed.**	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Dichlorophenol **Not Analyzed.**	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Naphthalene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
4-Chloro-3-methylphenol **Not Analyzed.**	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Hexachlorcyclopentadienne	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Trichlorophenol **Not Analyzed.**	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Dimethyl phthalate	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM

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Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Acenaphthylene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Acenaphthene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
2,4-Dinitrophenol **Not Analyzed.**	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
4-Nitrophenol **Not Analyzed.**	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Fluorene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Diethylphthalate	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Pentachlorophenol **Not Analyzed.**	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Phenanthrene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Anthracene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Dibutylphthalate	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Fluoranthene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Pyrene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Butylbenzylphthalate	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Bis(2-ethylhexyl)adipate	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Benzo(a)anthracene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Chrysene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Bis(2-ethylhexyl)phthalate	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Benzo(b)fluoranthene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Benzo(k)fluoranthene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Benzo(a)pyrene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Indeno(1,2,3-cd)pyrene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Dibenzo(ah)anthracene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM
Benzo(ghi)perylene	Method Blank	ND	ug/L	ND	EPA 8270C	NA		10/26/2007 12:54 PM

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Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Surrogate								
2-Fluorophenol **Not Analyzed**	MS	#Error	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Phenol-D6 **Not Analyzed**	MS	#Error	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
2-Fluorobiphenyl	MS	78	% Recovery	30 - 130	EPA 8270C	40	ug/L	10/26/2007 12:54 PM
Tribromophenol **Not Analyzed**	MS	#Error	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
4-Terphenyl-D14	MS	68	% Recovery	30 - 130	EPA 8270C	40	ug/L	10/26/2007 12:54 PM
Phenol **Not Analyzed.**	MS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
2-Chlorophenol **Not Analyzed.**	MS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
NDPA	MS	94	% Recovery	40 - 140	EPA 8270C	40	ug/L	10/26/2007 12:54 PM
2-Nitrophenol **Not Analyzed.**	MS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Dichlorophenol **Not Analyzed.**	MS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Naphthalene	MS	65	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
4-Chloro-3-methylphenol **Not Analyzed.**	MS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Hexachlorcyclopentadienne	MS	38	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Trichlorophenol **Not Analyzed.**	MS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Dimethyl phthalate	MS	24	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Acenaphthylene	MS	72	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM

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Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Acenaphthene	MS	60	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
2,4-Dinitrophenol **Not Analyzed.**	MS	ND	% Recovery	30 - 130	EPA 8270C	40	ug/L	10/26/2007 12:54 PM
4-Nitrophenol **Not Analyzed.**	MS	ND	% Recovery	30 - 130	EPA 8270C	40	ug/L	10/26/2007 12:54 PM
Fluorene	MS	61	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Diethylphthalate	MS	61	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Pentachlorophenol **Not Analyzed.**	MS	ND	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Phenanthrene	MS	59	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Anthracene	MS	54	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Dibutylphthalate	MS	24	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Fluoranthene	MS	77	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Pyrene	MS	77	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Butylbenzylphthalate	MS	46	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Bis(2-ethylhexyl)adipate	MS	55	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Benzo(a)anthracene	MS	57	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Chrysene	MS	56	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Bis(2-ethylhexyl)phthalate	MS	48	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Benzo(b)fluoranthene	MS	49	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Benzo(k)fluoranthene	MS	52	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Benzo(a)pyrene	MS	52	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Indeno(1,2,3-cd)pyrene	MS	60	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Dibenzo(ah)anthracene	MS	60	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Benzo(ghi)perylene	MS	60	% Recovery	40 - 140	EPA 8270C	20	ug/L	10/26/2007 12:54 PM

Sample Lab ID#: 2007402-007

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Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Surrogate								
2-Fluorophenol **Not Analyzed**	Samp DUP	#Error	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Phenol-D6 **Not Analyzed**	Samp DUP	#Error	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
2-Fluorobiphenyl	Samp DUP	116	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Tribromophenol **Not Analyzed**	Samp DUP	#Error	% Recovery	15 - 110	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
4-Terphenyl-D14	Samp DUP	95	% Recovery	30 - 130	EPA 8270C	20	ug/L	10/26/2007 12:54 PM
Phenol **Not Analyzed.**	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
2-Chlorophenol **Not Analyzed.**	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
NDPA	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
2-Nitrophenol **Not Analyzed.**	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Dichlorophenol **Not Analyzed.**	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Naphthalene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
4-Chloro-3-methylphenol **Not Analyzed.**	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Hexachlorcyclopentadienne	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Trichlorophenol **Not Analyzed.**	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Dimethyl phthalate	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Acenaphthylene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM

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Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Acenaphthene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
2,4-Dinitrophenol **Not Analyzed.**	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
4-Nitrophenol **Not Analyzed.**	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Fluorene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Diethylphthalate	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Pentachlorophenol **Not Analyzed.**	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Phenanthrene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Anthracene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Dibutylphthalate	Samp DUP	18	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Fluoranthene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Pyrene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Butylbenzylphthalate	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Bis(2-ethylhexyl)adipate	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Benzo(a)anthracene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Chrysene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Bis(2-ethylhexyl)phthalate	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Benzo(b)fluoranthene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Benzo(k)fluoranthene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Benzo(a)pyrene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Indeno(1,2,3-cd)pyrene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Dibenzo(ah)anthracene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM
Benzo(ghi)perylene	Samp DUP	0.0	RPD	0 - 20	EPA 8270C	NA		10/26/2007 12:54 PM

Sample Lab ID#: 2007402-007

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Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Silver	LFB	95	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Silver	LFM	41	% Recovery	75 - 125	EPA 6010B	207	ug/g wet	12/11/2007 2:00 AM
Low LFM recovery is due to a matrix effect. Silver result is qualified.								
Sample Lab ID#: 2007402-045								
Silver	LFM	78	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Silver	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Silver	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Silver	QCS	181	% Recovery	70 - 130	EPA 6010B	91	ug/g dry	12/11/2007 2:00 AM
Within the Acceptance Criteria of this Standard Reference Material, MDL to 188ug/g. Sample does not need to be Qualified.								
Silver	QCS	95	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Silver	Samp DUP	0.0	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Silver	Samp DUP	0.0	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Sodium	LFB	89	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Sodium	LFM	39	% Recovery	75 - 125	EPA 6010B	207	ug/g wet	12/11/2007 2:00 AM
There is a matrix affect with Na for this sample. All other QCS are acceptable, sample is not qualified.								
Sample Lab ID#: 2007402-045								
Sodium	LFM	94	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Sodium	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Sodium	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Sodium	QCS	93	% Recovery	70 - 130	EPA 6010B	819	mg/L	12/11/2007 2:00 AM
Sodium	QCS	95	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Sodium	Samp DUP	11	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM

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Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Sample Lab ID#: 2007402-045								
Sodium	Samp DUP	0.0	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Spec Cond	LFB	99	% Recovery	95 - 105	SM 2510 B	147	umhos/cm	10/29/2007 12:00 PM
Spec Cond	LRB	ND	umhos/cm	ND	SM 2510 B	NA		10/29/2007 12:00 PM
Spec Cond	QCS	98	% Recovery	95 - 105	SM 2510 B	718	umhos/cm	10/29/2007 12:00 PM
Spec Cond	Samp DUP	7.0	RPD	0 - 10	SM 2510 B	NA		10/29/2007 12:00 PM
Sample Lab ID#: 2007402-004								
Sulfate	LFB	100	% Recovery	90 - 110	EPA 300.0	2.0	mg/L	11/13/2007 3:30 PM
Sulfate	LFB2	100	% Recovery	90 - 110	EPA 300.0	30	mg/L	11/13/2007 3:30 PM
Sulfate	LFM	110	% Recovery	80 - 120	EPA 300.0	750	mg/L	11/13/2007 3:30 PM
Sample Lab ID#: 2007402-030								
Sulfate	LFM	168	% Recovery	70 - 130	EPA 300.0	763	ug/g wet	11/13/2007 4:00 PM
LFM result is above the calibration curve and suffers from a high bias. All other QC is acceptable.								
Sample Lab ID#: 2007402-044								
Sulfate	LRB	ND	mg/L	ND	EPA 300.0	NA		11/13/2007 3:30 PM
Sulfate	LRB	ND	ug/g wet	ND	EPA 300.0	NA		11/13/2007 4:00 PM
Sulfate	QCS	95	% Recovery	90 - 110	EPA 300.0	4.0	mg/L	11/13/2007 3:30 PM
Sulfate	QCS	95	% Recovery	80 - 120	EPA 300.0	4.0	mg/L	11/13/2007 4:00 PM
Sulfate	QCS2	104	% Recovery	90 - 110	EPA 300.0	40	mg/L	11/13/2007 3:30 PM
Sulfate	QCS2	104	% Recovery	80 - 120	EPA 300.0	40	mg/L	11/13/2007 4:00 PM
Sulfate	Samp DUP	2.2	RPD	0 - 20	EPA 300.0	NA		11/13/2007 3:30 PM
Sample Lab ID#: 2007402-030								
Sulfate	Samp DUP	13	RPD	0 - 20	EPA 300.0	NA		11/13/2007 4:00 PM
Sample Lab ID#: 2007402-044								

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Analysis Report for Login Batch: 2007402

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Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Total Cyanide	LFB	100	% Recovery	85 - 115	EPA 9010B/EPA 9014	0.20	mg/L	10/24/2007 12:00 PM
Total Cyanide	LFM	72	% Recovery	70 - 130	EPA 9010B/EPA 9014	10	ug/g wet	10/24/2007 12:00 PM
Sample Lab ID#: 2007402-046								
Total Cyanide	LRB	ND	ug/g wet	ND	EPA 9010B/EPA 9014	NA		10/24/2007 12:00 PM
Total Cyanide	QCS	99	% Recovery	85 - 115	EPA 9010B/EPA 9014	0.20	mg/L	10/24/2007 12:00 PM
Total Cyanide	Samp DUP	0.0	RPD	0 - 25	EPA 9010B/EPA 9014	NA		10/24/2007 12:00 PM
Sample Lab ID#: 2007402-046								
Total Cyanide	LFB	100	% Recovery	90 - 110	SM 4500-CN C E	0.20	mg/L	10/24/2007 12:00 PM
Total Cyanide	LFM	100	% Recovery	90 - 110	SM 4500-CN C E	0.20	mg/L	10/24/2007 12:00 PM
Sample Lab ID#: 2007402-003								
Total Cyanide	LFM2	97	% Recovery	90 - 110	SM 4500-CN C E	0.20	mg/L	10/24/2007 12:00 PM
Sample Lab ID#: 2007406-002								
Total Cyanide	LRB	ND	mg/L	ND	SM 4500-CN C E	NA		10/24/2007 12:00 PM
Total Cyanide	QCS	99	% Recovery	90 - 110	SM 4500-CN C E	0.20	mg/L	10/24/2007 12:00 PM
Total Cyanide	Samp DUP	0.0	RPD	0 - 20	SM 4500-CN C E	NA		10/24/2007 12:00 PM
Sample Lab ID#: 2007402-003								
Total Cyanide	Samp DUP2	0.0	RPD	0 - 20	SM 4500-CN C E	NA		10/24/2007 12:00 PM
Sample Lab ID#: 2007406-002								
Surrogate								
Dibromofluoromethane	LCS	87	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Toluene-d8	LCS	103	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
4-bromofluorobenzene	LCS	107	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Dichlorodifluoromethane	LCS	90	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Chloromethane	LCS	94	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Vinyl chloride	LCS	102	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Bromomethane	LCS	130	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM

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Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Chloroethane	LCS	96	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Acetone	LCS	86	% Recovery	70 - 130	EPA 8260B	250	ug/L	10/01/2007 12:44 PM
Trichlorofluoromethane	LCS	ND	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Not Analyzed								
1,1-Dichloroethene	LCS	90	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Carbon disulfide	LCS	84	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Methylene chloride	LCS	81	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Freon-113	LCS	90	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
trans-1,2-Dichloroethene	LCS	98	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Methyl-t-butyl ether	LCS	95	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,1-Dichloroethane	LCS	85	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
MEK	LCS	96	% Recovery	70 - 130	EPA 8260B	100	ug/L	10/01/2007 12:44 PM
Chlorobromomethane	LCS	89	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
2,2-Dichloropropane	LCS	96	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
cis-1,2-Dichloroethene	LCS	101	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Chloroform	LCS	85	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,1,1-Trichloroethane	LCS	83	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Carbon tetrachloride	LCS	83	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,1-Dichloropropene	LCS	88	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Benzene	LCS	83	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2-Dichloroethane	LCS	103	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Trichloroethene	LCS	97	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2-Dichloropropane	LCS	94	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Dibromomethane	LCS	96	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Bromodichloromethane	LCS	98	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
cis-1,3-Dichloropropene	LCS	96	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM

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Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
MIBK	LCS	97	% Recovery	70 - 130	EPA 8260B	100	ug/L	10/01/2007 12:44 PM
Toluene	LCS	98	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
trans-1,3-Dichloropropene	LCS	98	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,1,2-Trichloroethane	LCS	98	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Tetrachloroethene	LCS	87	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,3-Dichloropropane	LCS	90	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Dibromochloromethane	LCS	97	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2-Dibromoethane	LCS	97	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Chlorobenzene	LCS	91	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,1,1,2-Tetrachloroethane	LCS	89	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Ethylbenzene	LCS	89	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
p,m-xylene	LCS	93	% Recovery	70 - 130	EPA 8260B	20	ug/L	10/01/2007 12:44 PM
o-Xylene	LCS	100	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Styrene	LCS	96	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Bromoform	LCS	92	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Isopropylbenzene	LCS	97	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Bromobenzene	LCS	98	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,1,2,2-Tetrachloroethane	LCS	95	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2,3-Trichloropropane	LCS	74	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
n-Propylbenzene	LCS	96	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
2-Chlorotoluene	LCS	98	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
4-Chlorotoluene	LCS	91	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,3,5-Trimethylbenzene	LCS	92	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
tert-Butylbenzene	LCS	85	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2,4-Trimethylbenzene	LCS	83	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
sec-Butylbenzene	LCS	83	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM

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Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
1,3-Dichlorobenzene	LCS	85	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
4-Isopropyltoluene	LCS	86	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,4-Dichlorobenzene	LCS	100	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2-Dichlorobenzene	LCS	116	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
n-Butylbenzene	LCS	114	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2-Dibromo-3-chloropropane	LCS	104	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2,4-Trichlorobenzene	LCS	100	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Hexachlorobutadiene	LCS	98	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Naphthalene	LCS	95	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2,3-Trichlorobenzene	LCS	99	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Surrogate								
Dibromofluoromethane	Method Blank	98	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Toluene-d8	Method Blank	109	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
4-bromofluorobenzene	Method Blank	81	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Dichlorodifluoromethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Chloromethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Vinyl chloride	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Bromomethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Chloroethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Acetone	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Trichlorofluoromethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,1-Dichloroethene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Carbon disulfide	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Methylene chloride	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Freon-113	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
trans-1,2-Dichloroethene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < MRL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LB, LRB, and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies
MDL = Method Detection Limit
MRL = Minimum Reporting Limit

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Methyl-t-butyl ether	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,1-Dichloroethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
MEK	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Chlorobromomethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
2,2-Dichloropropane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
cis-1,2-Dichloroethene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Chloroform	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,1,1-Trichloroethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Carbon tetrachloride	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,1-Dichloropropene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Benzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,2-Dichloroethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Trichloroethene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,2-Dichloropropane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Dibromomethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Bromodichloromethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
cis-1,3-Dichloropropene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
MIBK	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Toluene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
trans-1,3-Dichloropropene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,1,2-Trichloroethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Tetrachloroethene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,3-Dichloropropane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Dibromochloromethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,2-Dibromoethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Chlorobenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < MRL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LB, LRB, and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies
MDL = Method Detection Limit
MRL = Minimum Reporting Limit

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

Analysis Report for Login.Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
1,1,1,2-Tetrachloroethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Ethylbenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
p,m-xylene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
o-Xylene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Styrene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Bromoform	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Isopropylbenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Bromobenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,1,2,2-Tetrachloroethane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,2,3-Trichloropropane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
n-Propylbenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
2-Chlorotoluene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
4-Chlorotoluene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,3,5-Trimethylbenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
tert-Butylbenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,2,4-Trimethylbenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
sec-Butylbenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,3-Dichlorobenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
4-Isopropyltoluene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,4-Dichlorobenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,2-Dichlorobenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
n-Butylbenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,2-Dibromo-3-chloropropane	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
1,2,4-Trichlorobenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Hexachlorobutadiene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Naphthalene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < MRL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LB, LRB, and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies
MDL = Method Detection Limit
MRL = Minimum Reporting Limit

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
1,2,3-Trichlorobenzene	Method Blank	ND	ug/L	ND	EPA 8260B	NA		10/01/2007 12:44 PM
Surrogate								
Dibromofluoromethane	MS	102	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Toluene-d8	MS	106	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
4-bromofluorobenzene	MS	89	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Dichlorodifluoromethane	MS	122	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Chloromethane	MS	145	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Recovery biased high. If compound is detected in sample, result is qualified.								
Vinyl chloride	MS	117	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Bromomethane	MS	85	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Chloroethane	MS	91	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Acetone	MS	64	% Recovery	70 - 130	EPA 8260B	250	ug/L	10/01/2007 12:44 PM
Trichlorofluoromethane	MS	ND	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Not Analyzed								
1,1-Dichloroethene	MS	104	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Carbon disulfide	MS	119	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Methylene chloride	MS	123	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Freon-113	MS	118	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
trans-1,2-Dichloroethene	MS	112	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Methyl-t-butyl ether	MS	113	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,1-Dichloroethane	MS	105	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
MEK	MS	80	% Recovery	70 - 130	EPA 8260B	100	ug/L	10/01/2007 12:44 PM
Chlorobromomethane	MS	113	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
2,2-Dichloropropane	MS	103	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
cis-1,2-Dichloroethene	MS	109	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Chloroform	MS	110	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- M = Analyte concentration > MDL but < MRL
- H = USEPA holding time exceeded
- J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LB, LRB, and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

MRL = Minimum Reporting Limit

LRB = Laboratory Reagent Blank

LB = Laboratory Blank (equiv. Method Blank)

LFB = Laboratory Fortified Blank (equiv. LCS)

LFM = Laboratory Fortified Sample Matrix (equiv. MS)

QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

Analysis Report for Login Batch: 2007482

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
1,1,1-Trichloroethane	MS	108	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Carbon tetrachloride	MS	103	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,1-Dichloropropene	MS	109	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Benzene	MS	107	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2-Dichloroethane	MS	122	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Trichloroethene	MS	107	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2-Dichloropropane	MS	115	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Dibromomethane	MS	110	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Bromodichloromethane	MS	110	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
cis-1,3-Dichloropropene	MS	110	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
MIBK	MS	119	% Recovery	70 - 130	EPA 8260B	100	ug/L	10/01/2007 12:44 PM
Toluene	MS	113	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
trans-1,3-Dichloropropene	MS	114	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,1,2-Trichloroethane	MS	101	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Tetrachloroethene	MS	104	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,3-Dichloropropane	MS	115	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Dibromochloromethane	MS	109	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2-Dibromoethane	MS	111	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Chlorobenzene	MS	97	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,1,1,2-Tetrachloroethane	MS	110	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Ethylbenzene	MS	104	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
p,m-xylene	MS	97	% Recovery	70 - 130	EPA 8260B	20	ug/L	10/01/2007 12:44 PM
o-Xylene	MS	106	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Styrene	MS	102	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Bromoform	MS	98	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Isopropylbenzene	MS	91	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- M = Analyte concentration > MDL but < MRL
- H = USEPA holding time exceeded
- J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LB, LRB, and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

MRL = Minimum Reporting Limit

LRB = Laboratory Reagent Blank

LB = Laboratory Blank (equiv. Method Blank)

LFB = Laboratory Fortified Blank (equiv. LCS)

LFM = Laboratory Fortified Sample Matrix (equiv. MS)

QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION **Project Name:** Crow Lane Landfill-Newburyport
Contact: John Carrigan **Project Coordinator:** John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Bromobenzene	MS	91	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,1,2,2-Tetrachloroethane	MS	93	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2,3-Trichloropropane	MS	90	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
n-Propylbenzene	MS	87	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
2-Chlorotoluene	MS	97	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
4-Chlorotoluene	MS	96	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,3,5-Trimethylbenzene	MS	91	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
tert-Butylbenzene	MS	118	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2,4-Trimethylbenzene	MS	107	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
sec-Butylbenzene	MS	108	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,3-Dichlorobenzene	MS	110	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
4-Isopropyltoluene	MS	105	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,4-Dichlorobenzene	MS	88	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2-Dichlorobenzene	MS	96	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
n-Butylbenzene	MS	96	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2-Dibromo-3-chloropropane	MS	84	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2,4-Trichlorobenzene	MS	99	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Hexachlorobutadiene	MS	81	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Naphthalene	MS	90	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
1,2,3-Trichlorobenzene	MS	88	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Sample Lab ID#: 2007402-005								
Surrogate								
Dibromofluoromethane	Samp DUP	94	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Toluene-d8	Samp DUP	104	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
4-bromofluorobenzene	Samp DUP	101	% Recovery	70 - 130	EPA 8260B	10	ug/L	10/01/2007 12:44 PM
Dichlorodifluoromethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- M = Analyte concentration > MDL but < MRL
- H = USEPA holding time exceeded
- J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LB, LRB, and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

MRL = Minimum Reporting Limit

LRB = Laboratory Reagent Blank

LB = Laboratory Blank (equiv. Method Blank)

LFB = Laboratory Fortified Blank (equiv. LCS)

LFM = Laboratory Fortified Sample Matrix (equiv. MS)

QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Chloromethane	Samp DUP	4.7	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Vinyl chloride	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Bromomethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Chloroethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Acetone	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Trichlorofluoromethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Not Analyzed								
1,1-Dichloroethene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Carbon disulfide	Samp DUP	0.51	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Methylene chloride	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Freon-113	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
trans-1,2-Dichloroethene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Methyl-t-butyl ether	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,1-Dichloroethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
MEK	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Chlorobromomethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
2,2-Dichloropropane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
cis-1,2-Dichloroethene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Chloroform	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,1,1-Trichloroethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Carbon tetrachloride	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,1-Dichloropropene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Benzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,2-Dichloroethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Trichloroethene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,2-Dichloropropane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- M = Analyte concentration > MDL but < MRL
- H = USEPA holding time exceeded
- J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LB, LRB, and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

MRL = Minimum Reporting Limit

LRB = Laboratory Reagent Blank

LB = Laboratory Blank (equiv. Method Blank)

LFB = Laboratory Fortified Blank (equiv. LCS)

LFM = Laboratory Fortified Sample Matrix (equiv. MS)

QCS = Quality Control Sample (external to lab) - acceptance limits as per method or interlaboratory proficiency study

Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Dibromomethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Bromodichloromethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
cis-1,3-Dichloropropene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
MIBK	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Toluene	Samp DUP	2.2	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
trans-1,3-Dichloropropene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,1,2-Trichloroethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Tetrachloroethene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,3-Dichloropropane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Dibromochloromethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,2-Dibromoethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Chlorobenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,1,1,2-Tetrachloroethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Ethylbenzene	Samp DUP	6.9	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
p,m-xylene	Samp DUP	5.5	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
o-Xylene	Samp DUP	12	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Styrene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Bromoform	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Isopropylbenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Bromobenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,1,2,2-Tetrachloroethane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,2,3-Trichloropropane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
n-Propylbenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
2-Chlorotoluene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
4-Chlorotoluene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,3,5-Trimethylbenzene	Samp DUP	3.3	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM

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H = USEPA holding time exceeded
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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
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Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan
Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
tert-Butylbenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,2,4-Trimethylbenzene	Samp DUP	2.2	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
sec-Butylbenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,3-Dichlorobenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
4-Isopropyltoluene	Samp DUP	89	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Duplicate result is acceptable because result is below reporting limit.								
1,4-Dichlorobenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,2-Dichlorobenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
n-Butylbenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,2-Dibromo-3-chloropropane	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
1,2,4-Trichlorobenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Hexachlorobutadiene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Naphthalene	Samp DUP	28	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Duplicate result is acceptable because result is below reporting limit.								
1,2,3-Trichlorobenzene	Samp DUP	0.0	RPD	0 - 20	EPA 8260B	NA		10/01/2007 12:44 PM
Sample Lab ID#: 2007402-026								
Zinc	LFB	96	% Recovery	85 - 115	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Zinc	LFM	90	% Recovery	75 - 125	EPA 6010B	207	ug/g wet	12/11/2007 2:00 AM
Sample Lab ID#: 2007402-045								
Zinc	LFM	98	% Recovery	75 - 125	EPA 6010B	20	mg/L	12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								
Zinc	LRB	ND	ug/g wet	ND	EPA 6010B	NA		12/11/2007 2:00 AM
Zinc	LRB	ND	mg/L	ND	EPA 6010B	NA		12/11/2007 12:00 PM
Zinc	QCS	110	% Recovery	70 - 130	EPA 6010B	300	ug/g dry	12/11/2007 2:00 AM
Zinc	QCS	95	% Recovery	80 - 120	EPA 6010B	2.5	mg/L	12/11/2007 12:00 PM
Zinc	Samp DUP	6.0	RPD	0 - 35	EPA 6010B	NA		12/11/2007 2:00 AM

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2007402

Prepared For: NERO BUREAU OF WASTE PREVENTION
Contact: John Carrigan

Project Name: Crow Lane Landfill-Newburyport
Project Coordinator: John Carrigan

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Sample Lab ID#: 2007402-045								
Zinc	Samp DUP	0.0	RPD	0 - 20	EPA 6010B	NA		12/11/2007 12:00 PM
Sample Lab ID#: 2007402-002								

Approved*: Date: 1/30/2008

*QA Level 1 and 2 Completed - QA/QC documentation, raw analytical data, and Chain-of-Custody/Sample Tracking Form are available upon request.

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