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NCA Labs Korea Co, Ltd.

Sample ID: B09-199-S1

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9I240378 - 016
 Date Sampled....: 09/21/09
 Prep Date....: 10/13/09
 Prep Batch #: 9286433
 Initial Wgt/Vol : 10.16 g

Work Order #....: LLF3L1AQ
 Date Received....: 09/25/09
 Analysis Date....: 11/03/09
 Instrument ID....: 1D5
 Analyst ID....: Sonia Ouni

Matrix....: SOLID
 Dilution Factor: 0.98
 Percent Moisture: 21

| PARAMETER | RESULT | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | 1.2 | 0.40 | pg/g |
| Total TCDD | ND | 1.2 | 0.40 | pg/g |
| 1,2,3,7,8-PeCDD | ND | 6.2 | 0.77 | pg/g |
| Total PeCDD | 1.7 | 6.2 | 0.77 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | 6.2 | 0.65 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | 6.2 | 0.56 | pg/g |
| 1,2,3,7,8,9-HxCDD | ND | 6.2 | 0.56 | pg/g |
| Total HxCDD | ND | 6.2 | 0.65 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | ND | 6.2 | 0.65 | pg/g |
| Total HpCDD | 1.2 | 6.2 | 0.65 | pg/g |
| OCDD | 16 | 12 | 1.4 | pg/g |
| Total TCDF | 2.9 | 1.2 | 0.39 | pg/g |
| 1,2,3,7,8-PeCDF | 0.83 | JB 6.2 | 0.53 | pg/g |
| 2,3,4,7,8-PeCDF | 0.67 | J 6.2 | 0.54 | pg/g |
| Total PeCDF | 4.0 | 6.2 | 0.53 | pg/g |
| 1,2,3,4,7,8-HxCDF | ND | 6.2 | 0.64 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | 6.2 | 0.57 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | 6.2 | 0.63 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | 6.2 | 0.69 | pg/g |
| Total HxCDF | ND | 6.2 | 0.69 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | ND | 6.2 | 0.56 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | 6.2 | 0.69 | pg/g |
| Total HpCDF | ND | 6.2 | 0.69 | pg/g |
| OCDF | ND | 12 | 1.2 | pg/g |

| INTERNAL STANDARDS | PERCENT RECOVERY | RECOVERY LIMITS |
|-------------------------|------------------|-----------------|
| 13C-2,3,7,8-TCDD | 77 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 69 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 81 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 89 | 40 - 135 |
| 13C-OCDD | 83 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 78 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 78 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 77 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 89 | 40 - 135 |

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NCA Labs Korea Co, Ltd.
Sample ID: B09-199-S1
Trace Level Organic Compounds
SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 016 | Work Order #....: | LLF3L1AQ | Matrix....: | SOLID |
| Date Sampled....: | 09/21/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.98 |
| Prep Date....: | 10/13/09 | Analysis Date....: | 11/03/09 | Percent Moisture: | 21 |
| Prep Batch #: | 9286433 | Instrument ID....: | 1D5 | | |
| Initial Wgt/Vol : | 10.16 g | Analyst ID....: | Sonia Ouni | | |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result

NCA Labs Korea Co, Ltd.

Sample ID: B09-199-S1

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9I240378 - 016
 Date Sampled....: 09/21/09
 Prep Date....: 10/21/09
 Prep Batch #: 9294334
 Initial Wgt/Vol : 10.17 g

Work Order #....: LLF3L2AQ
 Date Received....: 09/25/09
 Analysis Date....: 10/29/09
 Instrument ID....: 3D5
 Analyst ID....: Sonia Ouni

Matrix....: SOLID
 Dilution Factor: 0.98
 Percent Moisture: 21

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.2 | 0.036 | pg/g |
| Total TCDD | ND | | 1.2 | 0.036 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 6.2 | 0.065 | pg/g |
| Total PeCDD | ND | | 6.2 | 0.065 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | | 6.2 | 0.039 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | | 6.2 | 0.032 | pg/g |
| 1,2,3,7,8,9-HxCDD | ND | | 6.2 | 0.033 | pg/g |
| Total HxCDD | ND | | 6.2 | 0.039 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.33 | J B | 6.2 | 0.061 | pg/g |
| Total HpCDD | 0.91 | | 6.2 | 0.061 | pg/g |
| OCDD | 10 | J B | 12 | 0.075 | pg/g |
| 2,3,7,8-TCDF | 0.13 | J Q B | 1.2 | 0.033 | pg/g |
| Total TCDF | 0.29 | | 1.2 | 0.033 | pg/g |
| 1,2,3,7,8-PeCDF | ND | | 6.2 | 0.029 | pg/g |
| 2,3,4,7,8-PeCDF | ND | | 6.2 | 0.031 | pg/g |
| Total PeCDF | ND | | 6.2 | 0.033 | pg/g |
| 1,2,3,4,7,8-HxCDF | ND | | 6.2 | 0.023 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | | 6.2 | 0.021 | pg/g |
| 2,3,4,6,7,8-HxCDF | 0.023 | J Q | 6.2 | 0.022 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 6.2 | 0.025 | pg/g |
| Total HxCDF | 0.023 | | 6.2 | 0.023 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.061 | J Q | 6.2 | 0.025 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 6.2 | 0.030 | pg/g |
| Total HpCDF | 0.10 | | 6.2 | 0.028 | pg/g |
| OCDF | 0.13 | J Q B | 12 | 0.031 | pg/g |

NCA Labs Korea Co, Ltd.
Sample ID: B09-199-S1
Trace Level Organic Compounds
SW846 8290

Lot - Sample #....: G9I240378 - 016 Work Order #....: LLF3L2AQ Matrix....: SOLID
Date Sampled....: 09/21/09 Date Received....: 09/25/09 Dilution Factor: 0.98
Prep Date....: 10/21/09 Analysis Date....: 10/29/09 Percent Moisture: 21
Prep Batch #: 9294334 Instrument ID....: 3D5
Initial Wgt/Vol : 10.17 g Analyst ID....: Sonia Ouni

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 93 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 89 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 98 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 91 | 40 - 135 |
| 13C-OCDD | 77 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 79 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 84 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 89 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 83 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight

- B Method blank contamination The associated method blank contains the target analyte at a reportable level
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC).

NCA Labs Korea Co, Ltd.
 Sample ID: B09-199-S1
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G91240378 - 016 | Work Order #....: | LLF3L3AQ | Matrix....: | SOLID |
| Date Sampled....: | 09/21/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.98 |
| Prep Date....: | 10/13/09 | Analysis Date....: | 11/03/09 | Percent Moisture: | 21 |
| Prep Batch #: | 9286433 | Instrument ID....: | 5D2 | | |
| Initial Wgt/Vol : | 10.16 g | Analyst ID....: | Sonia Ouni | | |

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING LIMIT</u> | <u>ESTIMATED DETECTION LIMIT</u> | <u>UNITS</u> |
|------------------|---------------|------------------------|----------------------------------|--------------|
| 2,3,7,8-TCDF | 1.4 B | 1.2 | 0.30 | pg/g |

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDF | 78 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight

B Method blank contamination The associated method blank contains the target analyte at a reportable level

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NCA Labs Korea Co, Ltd.

Sample ID: B09-199-S2

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9I240378 - 017
 Date Sampled....: 09/21/09
 Prep Date.....: 10/13/09
 Prep Batch #: 9286433
 Initial Wgt/Vol : 10.03 g

Work Order #....: LLF3M1AF
 Date Received....: 09/25/09
 Analysis Date....: 11/03/09
 Instrument ID....: ID5
 Analyst ID....: Sonia Ouni

Matrix....: SOLID
 Dilution Factor: 1
 Percent Moisture: 8.3

| PARAMETER | RESULT | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | 1.1 | 0.35 | pg/g |
| Total TCDD | ND | 1.1 | 0.35 | pg/g |
| 1,2,3,7,8-PeCDD | ND | 5.4 | 0.78 | pg/g |
| Total PeCDD | ND | 5.4 | 0.78 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | 5.4 | 0.69 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | 5.4 | 0.59 | pg/g |
| 1,2,3,7,8,9-HxCDD | ND | 5.4 | 0.59 | pg/g |
| Total HxCDD | ND | 5.4 | 0.69 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | ND | 5.4 | 0.77 | pg/g |
| Total HpCDD | 1.7 | 5.4 | 0.77 | pg/g |
| OCDD | 35 | 11 | 1.0 | pg/g |
| Total TCDF | 2.6 | 1.1 | 0.30 | pg/g |
| 1,2,3,7,8-PeCDF | 1.1 | J Q B | 0.45 | pg/g |
| 2,3,4,7,8-PeCDF | 0.52 | J | 0.46 | pg/g |
| Total PeCDF | 4.4 | 5.4 | 0.45 | pg/g |
| 1,2,3,4,7,8-HxCDF | ND | 5.4 | 0.55 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | 5.4 | 0.49 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | 5.4 | 0.54 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | 5.4 | 0.59 | pg/g |
| Total HxCDF | ND | 5.4 | 0.59 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.61 | J | 0.56 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | 5.4 | 0.69 | pg/g |
| Total HpCDF | ND | 5.4 | 0.69 | pg/g |
| OCDF | ND | 11 | 0.94 | pg/g |

| INTERNAL STANDARDS | PERCENT RECOVERY | RECOVERY LIMITS |
|-------------------------|------------------|-----------------|
| 13C-2,3,7,8-TCDD | 80 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 71 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 88 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 87 | 40 - 135 |
| 13C-OCDD | 78 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 81 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 86 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 93 | 40 - 135 |

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NCA Labs Korea Co, Ltd.
Sample ID: B09-199-S2
Trace Level Organic Compounds
SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 017 | Work Order #....: | LLF3M1AF | Matrix....: | SOLID |
| Date Sampled....: | 09/21/09 | Date Received....: | 09/25/09 | Dilution Factor: | 1 |
| Prep Date....: | 10/13/09 | Analysis Date....: | 11/03/09 | Percent Moisture: | 8.3 |
| Prep Batch #: | 9286433 | Instrument ID....: | 1D5 | | |
| Initial Wgt/Vol : | 10.03 g | Analyst ID....: | Sonia Ouni | | |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight

- B Method blank contamination The associated method blank contains the target analyte at a reportable level
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC)

NCA Labs Korea Co, Ltd.

Sample ID: B09-199-S2

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G91240378 - 017
 Date Sampled....: 09/21/09
 Prep Date....: 10/21/09
 Prep Batch #: 9294334
 Initial Wgt/Vol : 10.21 g

Work Order #....: LLF3M2AF
 Date Received....: 09/25/09
 Analysis Date....: 10/29/09
 Instrument ID....: 3D5
 Analyst ID....: Sonia Ouni

Matrix....: SOLID
 Dilution Factor: 0.98
 Percent Moisture: 8.3

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.1 | 0.034 | pg/g |
| Total TCDD | ND | | 1.1 | 0.034 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 5.3 | 0.050 | pg/g |
| Total PeCDD | ND | | 5.3 | 0.050 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | | 5.3 | 0.033 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | | 5.3 | 0.027 | pg/g |
| 1,2,3,7,8,9-HxCDD | ND | | 5.3 | 0.028 | pg/g |
| Total HxCDD | 0.15 | | 5.3 | 0.029 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.76 | J B | 5.3 | 0.041 | pg/g |
| Total HpCDD | 2.2 | | 5.3 | 0.041 | pg/g |
| OCDD | 38 | B | 11 | 0.16 | pg/g |
| 2,3,7,8-TCDF | 0.15 | J B | 1.1 | 0.034 | pg/g |
| Total TCDF | 0.63 | | 1.1 | 0.034 | pg/g |
| 1,2,3,7,8-PeCDF | ND | | 5.3 | 0.029 | pg/g |
| 2,3,4,7,8-PeCDF | ND | | 5.3 | 0.030 | pg/g |
| Total PeCDF | ND | | 5.3 | 0.040 | pg/g |
| 1,2,3,4,7,8-HxCDF | ND | | 5.3 | 0.028 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | | 5.3 | 0.025 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | | 5.3 | 0.026 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.3 | 0.029 | pg/g |
| Total HxCDF | 0.029 | | 5.3 | 0.027 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.094 | J Q | 5.3 | 0.017 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 5.3 | 0.020 | pg/g |
| Total HpCDF | 0.15 | | 5.3 | 0.018 | pg/g |
| OCDF | 0.12 | J Q B | 11 | 0.029 | pg/g |

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NCA Labs Korea Co, Ltd.

Sample ID: B09-199-S2

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9I240378 - 017
Date Sampled....: 09/21/09
Prep Date....: 10/21/09
Prep Batch #: 9294334
Initial Wgt/Vol : 10.21 g

Work Order #....: LLF3M2AF
Date Received....: 09/25/09
Analysis Date....: 10/29/09
Instrument ID....: 3D5
Analyst ID....: Sonia Ouni

Matrix....: SOLID
Dilution Factor: 0.98
Percent Moisture: 8.3

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 95 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 91 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 112 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 95 | 40 - 135 |
| 13C-OCDD | 86 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 81 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 84 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 98 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 93 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

NCA Labs Korea Co, Ltd.
 Sample ID: B09-199-S2
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 017 | Work Order #....: | LLF3M3AF | Matrix....: | SOLID |
| Date Sampled....: | 09/21/09 | Date Received....: | 09/25/09 | Dilution Factor: | 1 |
| Prep Date....: | 10/13/09 | Analysis Date....: | 11/03/09 | Percent Moisture: | 8.3 |
| Prep Batch #: | 9286433 | Instrument ID....: | 5D2 | | |
| Initial Wgt/Vol : | 10.03 g | Analyst ID....: | Sonia Ouni | | |

| PARAMETER | RESULT | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|--------------|--------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDF | 1.2 B | 1.1 | 0.26 | pg/g |

| INTERNAL STANDARDS | PERCENT RECOVERY | RECOVERY LIMITS |
|--------------------|------------------|-----------------|
| 13C-2,3,7,8-TCDF | 78 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NCA Labs Korea Co, Ltd.

Sample ID: B09-198-S1

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G91240378 - 020
 Date Sampled....: 09/22/09
 Prep Date....: 10/21/09
 Prep Batch #: 9294334
 Initial Wgt/Vol : 10.5 g

Work Order #....: LLF3Q2AQ
 Date Received....: 09/25/09
 Analysis Date....: 10/29/09
 Instrument ID....: 3D5
 Analyst ID....: Sonia Ouni

Matrix....: SOLID
 Dilution Factor: 0.95
 Percent Moisture: 8.1

| PARAMETER | RESULT | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|-------------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | 0.030 J Q B | 1.0 | 0.026 | pg/g |
| Total TCDD | 0.030 | 1.0 | 0.026 | pg/g |
| 1,2,3,7,8-PeCDD | ND | 5.2 | 0.057 | pg/g |
| Total PeCDD | ND | 5.2 | 0.057 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | 5.2 | 0.027 | pg/g |
| 1,2,3,6,7,8-HxCDD | 0.036 J Q | 5.2 | 0.022 | pg/g |
| 1,2,3,7,8,9-HxCDD | 0.079 J Q | 5.2 | 0.023 | pg/g |
| Total HxCDD | 0.17 | 5.2 | 0.024 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.56 J B | 5.2 | 0.043 | pg/g |
| Total HpCDD | 1.6 | 5.2 | 0.043 | pg/g |
| OCDD | 26 B | 10 | 0.12 | pg/g |
| 2,3,7,8-TCDF | 0.14 J B | 1.0 | 0.023 | pg/g |
| Total TCDF | 0.22 | 1.0 | 0.023 | pg/g |
| 1,2,3,7,8-PeCDF | ND | 5.2 | 0.031 | pg/g |
| 2,3,4,7,8-PeCDF | ND | 5.2 | 0.032 | pg/g |
| Total PeCDF | ND | 5.2 | 0.033 | pg/g |
| 1,2,3,4,7,8-HxCDF | 0.067 J Q | 5.2 | 0.015 | pg/g |
| 1,2,3,6,7,8-HxCDF | 0.048 J Q | 5.2 | 0.014 | pg/g |
| 2,3,4,6,7,8-HxCDF | 0.036 J Q | 5.2 | 0.014 | pg/g |
| 1,2,3,7,8,9-HxCDF | 0.044 J | 5.2 | 0.016 | pg/g |
| Total HxCDF | 0.22 | 5.2 | 0.015 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.14 J Q | 5.2 | 0.026 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | 5.2 | 0.030 | pg/g |
| Total HpCDF | 0.14 | 5.2 | 0.028 | pg/g |
| OCDF | 0.14 J Q B | 10 | 0.040 | pg/g |

NCA Labs Korea Co, Ltd.
Sample ID: B09-198-S1
Trace Level Organic Compounds
SW846 8290

Lot - Sample #....: G91240378 - 020 Work Order #....: LLF3Q2AQ Matrix....: SOLID
Date Sampled....: 09/22/09 Date Received....: 09/25/09 Dilution Factor: 0.95
Prep Date....: 10/21/09 Analysis Date....: 10/29/09 Percent Moisture: 8.1
Prep Batch #: 9294334 Instrument ID....: 3D5
Initial Wgt/Vol : 10.5 g Analyst ID....: Sonia Ouni

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 86 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 83 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 93 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 84 | 40 - 135 |
| 13C-OCDD | 70 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 74 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 76 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 85 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 73 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- B Method blank contamination The associated method blank contains the target analyte at a reportable level.
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC).

NCA Labs Korea Co, Ltd.
 Sample ID: B09-198-S2
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 021 | Work Order #....: | LLF3R2AF | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.94 |
| Prep Date....: | 10/21/09 | Analysis Date....: | 10/29/09 | Percent Moisture: | 11 |
| Prep Batch #: | 9294334 | Instrument ID....: | 3D5 | | |
| Initial Wgt/Vol : | 10.63 g | Analyst ID....: | Sonia Ouni | | |

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.1 | 0.036 | pg/g |
| Total TCDD | ND | | 1.1 | 0.036 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 5.3 | 0.054 | pg/g |
| Total PeCDD | ND | | 5.3 | 0.054 | µg/g |
| 1,2,3,4,7,8-HxCDD | ND | | 5.3 | 0.039 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | | 5.3 | 0.032 | pg/g |
| 1,2,3,7,8,9-HxCDD | ND | | 5.3 | 0.033 | pg/g |
| Total HxCDD | 0.15 | | 5.3 | 0.034 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.75 | J Q B | 5.3 | 0.048 | pg/g |
| Total HpCDD | 2.2 | | 5.3 | 0.048 | pg/g |
| OCDD | 34 | B | 11 | 0.22 | pg/g |
| 2,3,7,8-TCDF | 0.087 | J B | 1.1 | 0.036 | pg/g |
| Total TCDF | 0.14 | | 1.1 | 0.036 | pg/g |
| 1,2,3,7,8-PeCDF | ND | | 5.3 | 0.030 | pg/g |
| 2,3,4,7,8-PeCDF | ND | | 5.3 | 0.032 | pg/g |
| Total PeCDF | ND | | 5.3 | 0.048 | pg/g |
| 1,2,3,4,7,8-HxCDF | 0.025 | J | 5.3 | 0.017 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | | 5.3 | 0.016 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | | 5.3 | 0.016 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.3 | 0.019 | pg/g |
| Total HxCDF | 0.13 | | 5.3 | 0.017 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.11 | J | 5.3 | 0.024 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 5.3 | 0.028 | pg/g |
| Total HpCDF | 0.29 | | 5.3 | 0.026 | pg/g |
| OCDF | 0.28 | J B | 11 | 0.042 | pg/g |

NCA Labs Korea Co, Ltd.

Sample ID: B09-198-S2

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9I240378 - 021
Date Sampled....: 09/22/09
Prep Date....: 10/21/09
Prep Batch #: 9294334
Initial Wgt/Vol : 10.63 g

Work Order #....: LLF3R2AF
Date Received....: 09/25/09
Analysis Date....: 10/29/09
Instrument ID....: 3D5
Analyst ID....: Sonia Ouni

Matrix....: SOLID
Dilution Factor: 0.94
Percent Moisture: 11

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 90 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 82 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 91 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 79 | 40 - 135 |
| 13C-OCDD | 69 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 77 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 77 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 80 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 78 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight

- B Method blank contamination The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC)

NCA Labs Korea Co, Ltd.

Sample ID: B09-198-S4

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9I240378 - 023
 Date Sampled....: 09/22/09
 Prep Date....: 10/21/09
 Prep Batch #: 9294334
 Initial Wgt/Vol : 10 g

Work Order #....: LLF3V2AQ
 Date Received....: 09/25/09
 Analysis Date....: 10/30/09
 Instrument ID....: 3D5
 Analyst ID....: Sonia Ouni

Matrix....: SOLID
 Dilution Factor: 1
 Percent Moisture: 7.9

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-----|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.1 | 0.035 | pg/g |
| Total TCDD | ND | | 1.1 | 0.035 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 5.4 | 0.074 | pg/g |
| Total PeCDD | ND | | 5.4 | 0.074 | pg/g |
| 1,2,3,4,7,8-HxCDD | 0.072 | J | 5.4 | 0.040 | pg/g |
| 1,2,3,6,7,8-HxCDD | 0.076 | J | 5.4 | 0.033 | pg/g |
| 1,2,3,7,8,9-HxCDD | 0.094 | J | 5.4 | 0.034 | pg/g |
| Total HxCDD | 0.38 | | 5.4 | 0.035 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 1.0 | J B | 5.4 | 0.044 | pg/g |
| Total HpCDD | 2.3 | | 5.4 | 0.044 | pg/g |
| OCDD | 35 | B | 11 | 0.11 | pg/g |
| 2,3,7,8-TCDF | 0.18 | J B | 1.1 | 0.030 | pg/g |
| Total TCDF | 0.28 | | 1.1 | 0.030 | pg/g |
| 1,2,3,7,8-PeCDF | ND | | 5.4 | 0.044 | pg/g |
| 2,3,4,7,8-PeCDF | 0.065 | J Q | 5.4 | 0.046 | pg/g |
| Total PeCDF | 0.066 | | 5.4 | 0.045 | pg/g |
| 1,2,3,4,7,8-HxCDF | 0.17 | J | 5.4 | 0.030 | pg/g |
| 1,2,3,6,7,8-HxCDF | 0.14 | J Q | 5.4 | 0.027 | pg/g |
| 2,3,4,6,7,8-HxCDF | 0.092 | J Q | 5.4 | 0.029 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.4 | 0.032 | pg/g |
| Total HxCDF | 0.61 | | 5.4 | 0.030 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.30 | J Q | 5.4 | 0.039 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | 0.20 | J | 5.4 | 0.046 | pg/g |
| Total HpCDF | 0.71 | | 5.4 | 0.042 | pg/g |
| OCDF | 0.48 | J B | 11 | 0.041 | pg/g |

NCA Labs Korea Co, Ltd.
Sample ID: B09-198-S4
Trace Level Organic Compounds
SW846 8290

Lot - Sample #....: G9I240378 - 023 Work Order #....: LLF3V2AQ Matrix....: SOLID
Date Sampled....: 09/22/09 Date Received....: 09/25/09 Dilution Factor: 1
Prep Date....: 10/21/09 Analysis Date....: 10/30/09 Percent Moisture: 7.9
Prep Batch #: 9294334 Instrument ID....: 3D5
Initial Wgt/Vol : 10 g Analyst ID....: Sonia Ouni

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 87 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 83 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 93 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 85 | 40 - 135 |
| 13C-OCDD | 85 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 79 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 80 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 83 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 78 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- B Method blank contamination The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC)

NCA Labs Korea Co, Ltd.
 Sample ID: B09-197-S1
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 024 | Work Order #....: | LLF3W2AQ | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.95 |
| Prep Date....: | 10/21/09 | Analysis Date....: | 10/29/09 | Percent Moisture: | 5.2 |
| Prep Batch #: | 9294334 | Instrument ID....: | 3D5 | | |
| Initial Wgt/Vol : | 10.5 g | Analyst ID....: | Sonia Ouni | | |

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.0 | 0.049 | pg/g |
| Total TCDD | ND | | 1.0 | 0.049 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 5.0 | 0.10 | pg/g |
| Total PeCDD | ND | | 5.0 | 0.10 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | | 5.0 | 0.040 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | | 5.0 | 0.033 | pg/g |
| 1,2,3,7,8,9-HxCDD | ND | | 5.0 | 0.034 | pg/g |
| Total HxCDD | 0.13 | | 5.0 | 0.035 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.71 | J B | 5.0 | 0.058 | pg/g |
| Total HpCDD | 2.1 | | 5.0 | 0.058 | pg/g |
| OCDD | 37 | B | 10 | 0.25 | pg/g |
| 2,3,7,8-TCDF | 0.15 | J Q B | 1.0 | 0.046 | pg/g |
| Total TCDF | 0.20 | | 1.0 | 0.046 | pg/g |
| 1,2,3,7,8-PeCDF | ND | | 5.0 | 0.042 | pg/g |
| 2,3,4,7,8-PeCDF | ND | | 5.0 | 0.044 | pg/g |
| Total PeCDF | ND | | 5.0 | 0.057 | pg/g |
| 1,2,3,4,7,8-HxCDF | ND | | 5.0 | 0.031 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | | 5.0 | 0.028 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | | 5.0 | 0.029 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.0 | 0.033 | pg/g |
| Total HxCDF | ND | | 5.0 | 0.033 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.10 | J Q | 5.0 | 0.036 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 5.0 | 0.042 | pg/g |
| Total HpCDF | 0.10 | | 5.0 | 0.039 | pg/g |
| OCDF | 0.23 | J Q B | 10 | 0.057 | pg/g |

NCA Labs Korea Co, Ltd.

Sample ID: B09-197-S1

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9I240378 - 024
Date Sampled....: 09/22/09
Prep Date....: 10/21/09
Prep Batch #: 9294334
Initial Wgt/Vol : 10.5 g

Work Order #....: LLF3W2AQ
Date Received....: 09/25/09
Analysis Date....: 10/29/09
Instrument ID....: 3D5
Analyst ID....: Sonia Ouni

Matrix....: SOLID
Dilution Factor: 0.95
Percent Moisture: 5.2

INTERNAL STANDARDS

PERCENT
RECOVERY

RECOVERY
LIMITS

| | | |
|-------------------------|----|----------|
| 13C-2,3,7,8-TCDD | 52 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 47 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 54 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 50 | 40 - 135 |
| 13C-OCDD | 44 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 45 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 44 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 50 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 47 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- B Method blank contamination The associated method blank contains the target analyte at a reportable level
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC)

NCA Labs Korea Co, Ltd.
 Sample ID: B09-197-S2
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 025 | Work Order #....: | LLF3X2AF | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.98 |
| Prep Date....: | 10/21/09 | Analysis Date....: | 10/29/09 | Percent Moisture: | 13 |
| Prep Batch #: | 9294334 | Instrument ID....: | 3D5 | | |
| Initial Wgt/Vol : | 10.23 g | Analyst ID....: | Sonia Ouni | | |

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.1 | 0.040 | pg/g |
| Total TCDD | ND | | 1.1 | 0.040 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 5.6 | 0.074 | pg/g |
| Total PeCDD | ND | | 5.6 | 0.074 | pg/g |
| 1,2,3,4,7,8-HxCDD | 0.046 | J | 5.6 | 0.042 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | | 5.6 | 0.034 | pg/g |
| 1,2,3,7,8,9-HxCDD | 0.040 | J Q | 5.6 | 0.035 | pg/g |
| Total HxCDD | 0.28 | | 5.6 | 0.037 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.74 | J Q B | 5.6 | 0.060 | pg/g |
| Total HpCDD | 2.2 | | 5.6 | 0.060 | pg/g |
| OCDD | 40 | B | 11 | 0.18 | pg/g |
| 2,3,7,8-TCDF | 0.087 | J Q B | 1.1 | 0.041 | pg/g |
| Total TCDF | 0.14 | | 1.1 | 0.041 | pg/g |
| 1,2,3,7,8-PeCDF | ND | | 5.6 | 0.043 | pg/g |
| 2,3,4,7,8-PeCDF | ND | | 5.6 | 0.045 | pg/g |
| Total PeCDF | ND | | 5.6 | 0.046 | pg/g |
| 1,2,3,4,7,8-HxCDF | ND | | 5.6 | 0.024 | pg/g |
| 1,2,3,6,7,8-HxCDF | 0.029 | J | 5.6 | 0.022 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | | 5.6 | 0.023 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.6 | 0.026 | pg/g |
| Total HxCDF | 0.060 | | 5.6 | 0.024 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.090 | J Q | 5.6 | 0.025 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 5.6 | 0.029 | pg/g |
| Total HpCDF | 0.13 | | 5.6 | 0.027 | pg/g |
| OCDF | 0.18 | J B | 11 | 0.039 | pg/g |

NCA Labs Korea Co, Ltd.

Sample ID: B09-197-S2

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9I240378 - 025
Date Sampled....: 09/22/09
Prep Date....: 10/21/09
Prep Batch #: 9294334
Initial Wgt/Vol : 10.23 g

Work Order #....: LLF3X2AF
Date Received....: 09/25/09
Analysis Date....: 10/29/09
Instrument ID....: 3D5
Analyst ID....: Sonia Ouni

Matrix....: SOLID
Dilution Factor: 0.98
Percent Moisture: 13

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 66 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 64 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 66 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 62 | 40 - 135 |
| 13C-OCDD | 56 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 57 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 59 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 63 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 61 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- B Method blank contamination The associated method blank contains the target analyte at a reportable level
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

NCA Labs Korea Co, Ltd.
 Sample ID: B09-196-S1
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 027 | Work Order #....: | LLF312AQ | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 4.78 |
| Prep Date....: | 10/21/09 | Analysis Date....: | 11/09/09 | Percent Moisture: | 9.0 |
| Prep Batch #: | 9294334 | Instrument ID....: | 1D5 | | |
| Initial Wgt/Vol : | 10.45 g | Analyst ID....: | Sonia Ouni | | |

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 5.4 | 1.1 | pg/g |
| Total TCDD | ND | | 5.3 | 1.1 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 26 | 1.6 | pg/g |
| Total PeCDD | ND | | 26 | 1.6 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | | 26 | 1.1 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | | 26 | 0.94 | pg/g |
| 1,2,3,7,8,9-HxCDD | ND | | 26 | 0.95 | pg/g |
| Total HxCDD | ND | | 26 | 1.1 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 4.1 | Q J B | 26 | 1.6 | pg/g |
| Total HpCDD | 7.8 | | 26 | 1.6 | pg/g |
| OCDD | 68 | B | 53 | 2.9 | pg/g |
| Total TCDF | 1.5 | | 5.3 | 0.55 | pg/g |
| 1,2,3,7,8-PeCDF | ND | | 26 | 1.0 | pg/g |
| 2,3,4,7,8-PeCDF | ND | | 26 | 1.0 | pg/g |
| Total PeCDF | 13 | | 26 | 1.0 | pg/g |
| 1,2,3,4,7,8-HxCDF | ND | | 26 | 1.1 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | | 26 | 0.96 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | | 26 | 1.1 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 26 | 1.2 | pg/g |
| Total HxCDF | 1.7 | | 26 | 1.1 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | ND | | 26 | 1.5 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 26 | 1.8 | pg/g |
| Total HpCDF | 3.9 | | 26 | 1.6 | pg/g |
| OCDF | 5.2 | J Q B | 53 | 3.5 | pg/g |

| INTERNAL STANDARDS | PERCENT RECOVERY | RECOVERY LIMITS |
|-------------------------|------------------|-----------------|
| 13C-2,3,7,8-TCDD | 88 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 77 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 95 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 89 | 40 - 135 |
| 13C-OCDD | 64 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 104 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 90 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 103 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 86 | 40 - 135 |

NCA Labs Korea Co, Ltd.

Sample ID: B09-196-S1

Trace Level Organic Compounds

SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 027 | Work Order #....: | LLF312AQ | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 4.78 |
| Prep Date....: | 10/21/09 | Analysis Date....: | 11/09/09 | Percent Moisture: | 9.0 |
| Prep Batch #: | 9294334 | Instrument ID....: | 1D5 | | |
| Initial Wgt/Vol : | 10.45 g | Analyst ID....: | Sonia Ouni | | |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight

- B Method blank contamination The associated method blank contains the target analyte at a reportable level.
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC)

1322

[REDACTED]

11/20/2009

b6

[REDACTED]

b6

NCA Labs Korea Co, Ltd.
 Sample ID: B09-196-S1
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 027 | Work Order #....: | LLF313AQ | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.95 |
| Prep Date....: | 10/21/09 | Analysis Date....: | 10/31/09 | Percent Moisture: | 9.0 |
| Prep Batch #: | 9294334 | Instrument ID....: | 8D2 | | |
| Initial Wgt/Vol : | 10.45 g | Analyst ID....: | Sonia Ouni | | |

| PARAMETER | RESULT | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|--------------|--------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDF | 1.3 B | 1.1 | 0.23 | pg/g |

| INTERNAL STANDARDS | PERCENT RECOVERY | RECOVERY LIMITS |
|--------------------|------------------|-----------------|
| 13C-2,3,7,8-TCDF | 93 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NCA Labs Korea Co, Ltd.
 Sample ID: B09-196-S2
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 028 | Work Order #....: | LLF322AF | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.97 |
| Prep Date....: | 10/21/09 | Analysis Date....: | 10/29/09 | Percent Moisture: | 8.4 |
| Prep Batch #: | 9294334 | Instrument ID....: | 3D5 | | |
| Initial Wgt/Vol : | 10.27 g | Analyst ID....: | Sonia Ouni | | |

| PARAMETER | RESULT | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|-------------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | 1.1 | 0.026 | pg/g |
| Total TCDD | ND | 1.1 | 0.026 | pg/g |
| 1,2,3,7,8-PeCDD | ND | 5.3 | 0.042 | pg/g |
| Total PeCDD | ND | 5.3 | 0.042 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | 5.3 | 0.020 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | 5.3 | 0.016 | pg/g |
| 1,2,3,7,8,9-HxCDD | 0.032 J Q | 5.3 | 0.017 | pg/g |
| Total HxCDD | 0.095 | 5.3 | 0.018 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.36 J Q B | 5.3 | 0.039 | pg/g |
| Total HpCDD | 1.2 | 5.3 | 0.039 | pg/g |
| OCDD | 27 B | 11 | 0.12 | pg/g |
| 2,3,7,8-TCDF | 0.080 J B | 1.1 | 0.041 | pg/g |
| Total TCDF | 1.0 | 1.1 | 0.041 | pg/g |
| 1,2,3,7,8-PeCDF | ND | 5.3 | 0.027 | pg/g |
| 2,3,4,7,8-PeCDF | ND | 5.3 | 0.028 | pg/g |
| Total PeCDF | ND | 5.3 | 0.042 | pg/g |
| 1,2,3,4,7,8-HxCDF | ND | 5.3 | 0.011 | pg/g |
| 1,2,3,6,7,8-HxCDF | 0.012 J Q | 5.3 | 0.010 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | 5.3 | 0.011 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | 5.3 | 0.012 | pg/g |
| Total HxCDF | 0.012 | 5.3 | 0.011 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | ND | 5.3 | 0.027 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | 5.3 | 0.032 | pg/g |
| Total HpCDF | 0.054 | 5.3 | 0.030 | pg/g |
| OCDF | 0.035 J Q B | 11 | 0.032 | pg/g |

NCA Labs Korea Co, Ltd.

Sample ID: B09-196-S2

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9I240378 - 028
Date Sampled....: 09/22/09
Prep Date....: 10/21/09
Prep Batch #: 9294334
Initial Wgt/Vol : 10.27 g

Work Order #....: LLF322AF
Date Received....: 09/25/09
Analysis Date....: 10/29/09
Instrument ID....: 3D5
Analyst ID....: Sonia Ouni

Matrix....: SOLID
Dilution Factor: 0.97
Percent Moisture: 8.4

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 90 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 88 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 82 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 75 | 40 - 135 |
| 13C-OCDD | 57 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 83 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 83 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 83 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 68 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- B Method blank contamination The associated method blank contains the target analyte at a reportable level
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

NCA Labs Korea Co, Ltd.
 Sample ID: B09-192-S1
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G91240378 - 031 | Work Order #....: | LLH9T2AF | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 1 |
| Prep Date....: | 10/21/09 | Analysis Date....: | 10/29/09 | Percent Moisture: | 6.9 |
| Prep Batch #: | 9294334 | Instrument ID....: | 3D5 | | |
| Initial Wgt/Vol : | 10.01 g | Analyst ID....: | Sonia Ouni | | |

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.1 | 0.031 | pg/g |
| Total TCDD | ND | | 1.1 | 0.031 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 5.4 | 0.051 | pg/g |
| Total PeCDD | ND | | 5.4 | 0.051 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | | 5.4 | 0.032 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | | 5.4 | 0.026 | pg/g |
| 1,2,3,7,8,9-HxCDD | 0.083 | J | 5.4 | 0.027 | pg/g |
| Total HxCDD | 0.083 | | 5.4 | 0.029 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.66 | J B | 5.4 | 0.025 | pg/g |
| Total HpCDD | 1.8 | | 5.4 | 0.025 | pg/g |
| OCDD | 25 | B | 11 | 0.078 | pg/g |
| 2,3,7,8-TCDF | 0.070 | J Q B | 1.1 | 0.033 | pg/g |
| Total TCDF | 0.070 | | 1.1 | 0.033 | pg/g |
| 1,2,3,7,8-PeCDF | ND | | 5.4 | 0.027 | pg/g |
| 2,3,4,7,8-PeCDF | ND | | 5.4 | 0.028 | pg/g |
| Total PeCDF | ND | | 5.4 | 0.055 | pg/g |
| 1,2,3,4,7,8-HxCDF | ND | | 5.4 | 0.014 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | | 5.4 | 0.012 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | | 5.4 | 0.013 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.4 | 0.015 | pg/g |
| Total HxCDF | 0.047 | | 5.4 | 0.013 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.071 | J | 5.4 | 0.018 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 5.4 | 0.021 | pg/g |
| Total HpCDF | 0.17 | | 5.4 | 0.019 | pg/g |
| OCDF | 0.13 | J Q B | 11 | 0.026 | pg/g |

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11/20/2009

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NCA Labs Korea Co, Ltd.
 Sample ID: B09-192-S1
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 031 | Work Order #....: | LLH9T2AF | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 1 |
| Prep Date....: | 10/21/09 | Analysis Date....: | 10/29/09 | Percent Moisture: | 6.9 |
| Prep Batch #: | 9294334 | Instrument ID....: | 3D5 | | |
| Initial Wgt/Vol : | 10.01 g | Analyst ID....: | Sonia Ouni | | |

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 95 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 90 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 96 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 100 | 40 - 135 |
| 13C-OCDD | 81 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 82 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 84 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 96 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 88 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- B Method blank contamination The associated method blank contains the target analyte at a reportable level
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC)

NCA Labs Korea Co, Ltd.
 Sample ID: B09-192-S2
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|--------------|-------------------|-------|
| Lot - Sample #....: | G91240378 - 032 | Work Order #....: | LLJAAIAF | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.95 |
| Prep Date....: | 10/19/09 | Analysis Date....: | 10/28/09 | Percent Moisture: | 14 |
| Prep Batch #: | 9292309 | Instrument ID....: | 4D5 | | |
| Initial Wgt/Vol : | 10.56 g | Analyst ID....: | Susan X. Yan | | |

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.1 | 0.035 | pg/g |
| Total TCDD | ND | | 1.1 | 0.035 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 5.5 | 0.072 | pg/g |
| Total PeCDD | ND | | 5.5 | 0.072 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | | 5.5 | 0.073 | pg/g |
| 1,2,3,6,7,8-HxCDD | 0.071 | J Q | 5.5 | 0.062 | pg/g |
| 1,2,3,7,8,9-HxCDD | ND | | 5.5 | 0.062 | pg/g |
| Total HxCDD | 0.28 | | 5.5 | 0.065 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.78 | J B | 5.5 | 0.094 | pg/g |
| Total HpCDD | 1.7 | | 5.5 | 0.094 | pg/g |
| OCDD | 14 | B | 11 | 0.14 | pg/g |
| 2,3,7,8-TCDF | 0.18 | J Q | 1.1 | 0.051 | pg/g |
| Total TCDF | 0.31 | | 1.1 | 0.051 | pg/g |
| 1,2,3,7,8-PeCDF | 0.18 | J Q | 5.5 | 0.073 | pg/g |
| 2,3,4,7,8-PeCDF | 0.089 | J | 5.5 | 0.076 | pg/g |
| Total PeCDF | 0.27 | | 5.5 | 0.075 | pg/g |
| 1,2,3,4,7,8-HxCDF | 0.23 | J Q B | 5.5 | 0.11 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | | 5.5 | 0.10 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | | 5.5 | 0.11 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.5 | 0.12 | pg/g |
| Total HxCDF | 0.23 | | 5.5 | 0.11 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.15 | J Q B | 5.5 | 0.15 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 5.5 | 0.18 | pg/g |
| Total HpCDF | 0.41 | | 5.5 | 0.17 | pg/g |
| OCDF | 0.48 | J Q B | 11 | 0.10 | pg/g |

NCA Labs Korea Co, Ltd.
Sample ID: B09-192-S2
Trace Level Organic Compounds
SW846 8290

Lot - Sample #....: G9I240378 - 032 Work Order #....: LLJAA1AF Matrix....: SOLID
Date Sampled....: 09/22/09 Date Received....: 09/25/09 Dilution Factor: 0.95
Prep Date....: 10/19/09 Analysis Date....: 10/28/09 Percent Moisture: 14
Prep Batch #: 9292309 Instrument ID....: 4D5
Initial Wgt/Vol : 10.56 g Analyst ID....: Susan X. Yan

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 69 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 61 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 66 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 60 | 40 - 135 |
| 13C-OCDD | 61 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 65 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 58 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 58 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 56 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC).

NCA Labs Korea Co, Ltd.
 Sample ID: B09-193-S1
 Trace Level Organic Compounds
 SW846 8290

Lot - Sample #....: G9I240378 - 034
 Date Sampled....: 09/22/09
 Prep Date....: 10/19/09
 Prep Batch #: 9292309
 Initial Wgt/Vol : 10.06 g

Work Order #....: LLJA21AQ
 Date Received....: 09/25/09
 Analysis Date....: 10/28/09
 Instrument ID....: 4D5
 Analyst ID....: Susan X. Yan

Matrix....: SOLID
 Dilution Factor: 0.99
 Percent Moisture: 7.7

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.1 | 0.021 | pg/g |
| Total TCDD | ND | | 1.1 | 0.039 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 5.4 | 0.043 | pg/g |
| Total PeCDD | ND | | 5.4 | 0.043 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | | 5.4 | 0.088 | pg/g |
| 1,2,3,6,7,8-HxCDD | 0.12 | J | 5.4 | 0.074 | pg/g |
| 1,2,3,7,8,9-HxCDD | ND | | 5.4 | 0.074 | pg/g |
| Total HxCDD | 0.56 | | 5.4 | 0.078 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 1.3 | J Q B | 5.4 | 0.13 | pg/g |
| Total HpCDD | 3.2 | | 5.4 | 0.13 | pg/g |
| OCDD | 33 | B | 11 | 0.18 | pg/g |
| 2,3,7,8-TCDF | 0.19 | J | 1.1 | 0.062 | pg/g |
| Total TCDF | 0.33 | | 1.1 | 0.062 | pg/g |
| 1,2,3,7,8-PeCDF | 0.15 | J | 5.4 | 0.065 | pg/g |
| 2,3,4,7,8-PeCDF | ND | | 5.4 | 0.068 | pg/g |
| Total PeCDF | 0.15 | | 5.4 | 0.066 | pg/g |
| 1,2,3,4,7,8-HxCDF | 0.23 | J B | 5.4 | 0.085 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | | 5.4 | 0.079 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | | 5.4 | 0.083 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.4 | 0.093 | pg/g |
| Total HxCDF | 0.76 | | 5.4 | 0.085 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.63 | J Q B | 5.4 | 0.16 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 5.4 | 0.19 | pg/g |
| Total HpCDF | 1.8 | | 5.4 | 0.17 | pg/g |
| OCDF | 1.0 | J B | 11 | 0.13 | pg/g |

1330



11/20/2009

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NCA Labs Korea Co, Ltd.
 Sample ID: B09-193-S1
 Trace Level Organic Compounds
 SW846 8290

Lot - Sample #....: G91240378 - 034
 Date Sampled....: 09/22/09
 Prep Date....: 10/19/09
 Prep Batch #: 9292309
 Initial Wgt/Vol : 10.06 g

Work Order #....: LLJA21AQ
 Date Received....: 09/25/09
 Analysis Date....: 10/28/09
 Instrument ID....: 4D5
 Analyst ID....: Susan X. Yan

Matrix....: SOLID
 Dilution Factor: 0.99
 Percent Moisture: 7.7

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 77 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 73 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 74 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 67 | 40 - 135 |
| 13C-OCDD | 65 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 74 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 67 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 67 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 57 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight

- B Method blank contamination The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

1331

[REDACTED]

11/20/2009

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NCA Labs Korea Co, Ltd.
 Sample ID: B09-193-S2
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|--------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 035 | Work Order #....: | LLJCF1AF | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.96 |
| Prep Date....: | 10/19/09 | Analysis Date....: | 10/28/09 | Percent Moisture: | 12 |
| Prep Batch #: | 9292309 | Instrument ID....: | 4D5 | | |
| Initial Wgt/Vol : | 10.4 g | Analyst ID....: | Susan X. Yan | | |

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.1 | 0.097 | pg/g |
| Total TCDD | ND | | 1.1 | 0.097 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 5.4 | 0.12 | pg/g |
| Total PeCDD | ND | | 5.4 | 0.12 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | | 5.4 | 0.25 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | | 5.4 | 0.21 | pg/g |
| 1,2,3,7,8,9-HxCDD | ND | | 5.4 | 0.21 | pg/g |
| Total HxCDD | ND | | 5.4 | 0.25 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.75 | J Q B | 5.4 | 0.49 | pg/g |
| Total HpCDD | 2.6 | | 5.4 | 0.49 | pg/g |
| OCDD | 25 | B | 11 | 0.91 | pg/g |
| 2,3,7,8-TCDF | 0.34 | J | 1.1 | 0.069 | pg/g |
| Total TCDF | 0.57 | | 1.1 | 0.069 | pg/g |
| 1,2,3,7,8-PeCDF | 0.33 | J Q | 5.4 | 0.083 | pg/g |
| 2,3,4,7,8-PeCDF | ND | | 5.4 | 0.086 | pg/g |
| Total PeCDF | 0.46 | | 5.4 | 0.085 | pg/g |
| 1,2,3,4,7,8-HxCDF | 0.43 | J Q B | 5.4 | 0.25 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | | 5.4 | 0.23 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | | 5.4 | 0.25 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.4 | 0.28 | pg/g |
| Total HxCDF | 0.43 | | 5.4 | 0.25 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.45 | J Q B | 5.4 | 0.42 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 5.4 | 0.51 | pg/g |
| Total HpCDF | 0.45 | | 5.4 | 0.44 | pg/g |
| OCDF | 0.91 | J Q B | 11 | 0.56 | pg/g |

NCA Labs Korea Co, Ltd.

Sample ID: B09-193-S2

Trace Level Organic Compounds

SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|--------------|-------------------|-------|
| Lot - Sample #....: | G91240378 - 035 | Work Order #....: | LLJCF1AF | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.96 |
| Prep Date....: | 10/19/09 | Analysis Date....: | 10/28/09 | Percent Moisture: | 12 |
| Prep Batch #: | 9292309 | Instrument ID....: | 4D5 | | |
| Initial Wgt/Vol : | 10.4 g | Analyst ID....: | Susan X. Yan | | |

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 50 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 38 * | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 37 * | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 27 * | 40 - 135 |
| 13C-OCDD | 22 * | 40 - 135 |
| 13C-2,3,7,8-TCDF | 50 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 38 * | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 32 * | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 24 * | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- * Surrogate recovery is outside stated control limits
- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC)

NCA Labs Korea Co, Ltd.
 Sample ID: B09-193-S2
 Trace Level Organic Compounds
 SW846 8290

Lot - Sample #....: G9I240378 - 035
 Date Sampled....: 09/22/09
 Prep Date....: 11/10/09
 Prep Batch #: 9314490
 Initial Wgt/Vol : 10.6 g

Work Order #....: LLJCF2AF
 Date Received....: 09/25/09
 Analysis Date....: 11/16/09
 Instrument ID....: 1D5
 Analyst ID....: Sonia Ouni

Matrix....: SOLID
 Dilution Factor: 0.94
 Percent Moisture: 12

| PARAMETER | RESULT | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|------------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | 1.1 | 0.15 | pg/g |
| Total TCDD | ND | 1.1 | 0.15 | pg/g |
| 1,2,3,7,8-PeCDD | ND | 5.3 | 0.30 | pg/g |
| Total PeCDD | ND | 5.3 | 0.30 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | 5.3 | 0.30 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | 5.3 | 0.26 | pg/g |
| 1,2,3,7,8,9-HxCDD | 0.26 J Q | 5.3 | 0.26 | pg/g |
| Total HxCDD | 0.26 | 5.3 | 0.26 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.95 J B | 5.3 | 0.32 | pg/g |
| Total HpCDD | 2.1 | 5.3 | 0.32 | pg/g |
| OCDD | 36 B | 11 | 0.66 | pg/g |
| 2,3,7,8-TCDF | 0.15 J Q B | 1.1 | 0.085 | pg/g |
| Total TCDF | 0.15 | 1.1 | 0.085 | pg/g |
| 1,2,3,7,8-PeCDF | 0.29 J B | 5.3 | 0.16 | pg/g |
| 2,3,4,7,8-PeCDF | 0.20 J Q B | 5.3 | 0.17 | pg/g |
| Total PeCDF | 0.49 | 5.3 | 0.16 | pg/g |
| 1,2,3,4,7,8-HxCDF | ND | 5.3 | 0.23 | pg/g |
| 1,2,3,6,7,8-HxCDF | 0.22 J Q | 5.3 | 0.20 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | 5.3 | 0.22 | pg/g |
| 1,2,3,7,8,9-HxCDF | 0.26 J Q | 5.3 | 0.25 | pg/g |
| Total HxCDF | 0.49 | 5.3 | 0.22 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.37 J B | 5.3 | 0.19 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | 0.29 J Q B | 5.3 | 0.23 | pg/g |
| Total HpCDF | 0.66 | 5.3 | 0.21 | pg/g |
| OCDF | 0.75 J B | 11 | 0.36 | pg/g |

1334

[REDACTED]

11/20/2009

b6

[REDACTED]

b6

NCA Labs Korea Co, Ltd.
 Sample ID: B09-193-S2
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 035 | Work Order #....: | LLJCF2AF | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.94 |
| Prep Date....: | 11/10/09 | Analysis Date....: | 11/16/09 | Percent Moisture: | 12 |
| Prep Batch #: | 9314490 | Instrument ID....: | 1D5 | | |
| Initial Wgt/Vol : | 10.6 g | Analyst ID....: | Sonia Ouni | | |

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 85 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 77 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 95 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 87 | 40 - 135 |
| 13C-OCDD | 80 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 92 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 86 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 91 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 96 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

1335

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b6

NCA Labs Korea Co, Ltd.
 Sample ID: B09-194-S1
 Trace Level Organic Compounds
 SW846 8290

Lot - Sample #....: G91240378 - 038
 Date Sampled....: 09/22/09
 Prep Date.....: 10/19/09
 Prep Batch #: 9292309
 Initial Wgt/Vol : 10.73 g

Work Order #....: LLJCN1AQ
 Date Received....: 09/25/09
 Analysis Date....: 10/28/09
 Instrument ID....: 4D5
 Analyst ID.....: Susan X. Yan

Matrix.....: SOLID
 Dilution Factor: 0.93
 Percent Moisture: 8.8

| PARAMETER | RESULT | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|-------------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | 1.0 | 0.0041 | pg/g |
| Total TCDD | ND | 1.0 | 0.0041 | pg/g |
| 1,2,3,7,8-PeCDD | ND | 5.1 | 0.0098 | pg/g |
| Total PeCDD | 0.13 | 5.1 | 0.0098 | pg/g |
| 1,2,3,4,7,8-HxCDD | 0.065 J Q | 5.1 | 0.034 | pg/g |
| 1,2,3,6,7,8-HxCDD | 0.049 J | 5.1 | 0.028 | pg/g |
| 1,2,3,7,8,9-HxCDD | 0.041 J Q B | 5.1 | 0.028 | pg/g |
| Total HxCDD | 0.51 | 5.1 | 0.030 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.93 J B | 5.1 | 0.16 | pg/g |
| Total HpCDD | 2.2 | 5.1 | 0.16 | pg/g |
| OCDD | 36 B | 10 | 0.25 | pg/g |
| 2,3,7,8-TCDF | 0.17 J Q | 1.0 | 0.029 | pg/g |
| Total TCDF | 0.30 | 1.0 | 0.029 | pg/g |
| 1,2,3,7,8-PeCDF | ND | 5.1 | 0.053 | pg/g |
| 2,3,4,7,8-PeCDF | ND | 5.1 | 0.056 | pg/g |
| Total PeCDF | ND | 5.1 | 0.056 | pg/g |
| 1,2,3,4,7,8-HxCDF | 0.17 J Q B | 5.1 | 0.068 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | 5.1 | 0.063 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | 5.1 | 0.067 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | 5.1 | 0.074 | pg/g |
| Total HxCDF | 0.17 | 5.1 | 0.068 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.13 J Q B | 5.1 | 0.11 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | 5.1 | 0.14 | pg/g |
| Total HpCDF | 0.13 | 5.1 | 0.12 | pg/g |
| OCDF | 0.40 J B | 10 | 0.16 | pg/g |

1336

[REDACTED]

11/20/2009

b6

[REDACTED]

b6

NCA Labs Korea Co, Ltd.
 Sample ID: B09-194-S1
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|--------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 038 | Work Order #....: | LLJCNIAQ | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.93 |
| Prep Date....: | 10/19/09 | Analysis Date....: | 10/28/09 | Percent Moisture: | 8.8 |
| Prep Batch #: | 9292309 | Instrument ID....: | 4D5 | | |
| Initial Wgt/Vol : | 10.73 g | Analyst ID....: | Susan X. Yan | | |

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-----------------------------|----------------------------|
| 13C-2,3,7,8-TCDD | 80 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 70 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 77 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 68 | 40 - 135 |
| 13C-OCDD | 61 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 72 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 65 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 67 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 61 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC)

NCA Labs Korea Co, Ltd.
 Sample ID: B09-194-S2
 Trace Level Organic Compounds
 SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|--------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 039 | Work Order #....: | LLJCR1AF | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.97 |
| Prep Date....: | 10/19/09 | Analysis Date....: | 10/28/09 | Percent Moisture: | 9.4 |
| Prep Batch #: | 9292309 | Instrument ID....: | 4D5 | | |
| Initial Wgt/Vol : | 10.27 g | Analyst ID....: | Susan X. Yan | | |

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-----|--------------------|------------------------------|-------|
| 2,3,7,8-TCDD | 0.074 | J Q | 1.1 | 0.0039 | pg/g |
| Total TCDD | 0.074 | | 1.1 | 0.0039 | pg/g |
| 1,2,3,7,8-PeCDD | 0.089 | J | 5.4 | 0.014 | pg/g |
| Total PeCDD | 0.45 | | 5.4 | 0.014 | pg/g |
| 1,2,3,4,7,8-HxCDD | 0.29 | J Q | 5.4 | 0.038 | pg/g |
| 1,2,3,6,7,8-HxCDD | 1.1 | J | 5.4 | 0.032 | pg/g |
| 1,2,3,7,8,9-HxCDD | 0.86 | J B | 5.4 | 0.032 | pg/g |
| Total HxCDD | 6.5 | | 5.4 | 0.034 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 38 | B | 5.4 | 0.26 | pg/g |
| Total HpCDD | 74 | | 5.4 | 0.26 | pg/g |
| OCDD | 440 | B | 11 | 0.40 | pg/g |
| 2,3,7,8-TCDF | 0.12 | J Q | 1.1 | 0.031 | pg/g |
| Total TCDF | 0.35 | | 1.1 | 0.031 | pg/g |
| 1,2,3,7,8-PeCDF | 0.12 | J Q | 5.4 | 0.068 | pg/g |
| 2,3,4,7,8-PeCDF | 0.12 | J | 5.4 | 0.071 | pg/g |
| Total PeCDF | 1.5 | | 5.4 | 0.069 | pg/g |
| 1,2,3,4,7,8-HxCDF | 1.3 | J B | 5.4 | 0.11 | pg/g |
| 1,2,3,6,7,8-HxCDF | 0.57 | J B | 5.4 | 0.11 | pg/g |
| 2,3,4,6,7,8-HxCDF | 0.22 | J Q | 5.4 | 0.11 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.4 | 0.13 | pg/g |
| Total HxCDF | 25 | | 5.4 | 0.11 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 19 | B | 5.4 | 0.24 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | 1.3 | J | 5.4 | 0.28 | pg/g |
| Total HpCDF | 80 | | 5.4 | 0.26 | pg/g |
| OCDF | 57 | B | 11 | 0.23 | pg/g |

NCA Labs Korea Co, Ltd.

Sample ID: B09-194-S2

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G91240378 - 039
Date Sampled....: 09/22/09
Prep Date....: 10/19/09
Prep Batch #: 9292309
Initial Wgt/Vol : 10.27 g

Work Order #....: LLJCR1AF
Date Received....: 09/25/09
Analysis Date....: 10/28/09
Instrument ID....: 4D5
Analyst ID....: Susan X. Yan

Matrix....: SOLID
Dilution Factor: 0.97
Percent Moisture: 9.4

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 81 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 73 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 83 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 78 | 40 - 135 |
| 13C-OCDD | 74 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 75 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 69 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 69 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 70 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- B Method blank contamination The associated method blank contains the target analyte at a reportable level
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC)

1339

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11/20/2009

b6

[Redacted]

b6

NCA Labs Korea Co, Ltd.

Sample ID: B09-195-S1

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G9I240378 - 042
 Date Sampled....: 09/22/09
 Prep Date....: 10/19/09
 Prep Batch #: 9292309
 Initial Wgt/Vol : 10 g

Work Order #....: LLJDG1AQ
 Date Received....: 09/25/09
 Analysis Date....: 10/28/09
 Instrument ID....: 4D5
 Analyst ID....: Susan X. Yan

Matrix....: SOLID
 Dilution Factor: 1
 Percent Moisture: 8.0

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.1 | 0.036 | pg/g |
| Total TCDD | ND | | 1.1 | 0.036 | pg/g |
| 1,2,3,7,8-PeCDD | ND | | 5.4 | 0.0083 | pg/g |
| Total PeCDD | ND | | 5.4 | 0.0081 | pg/g |
| 1,2,3,4,7,8-HxCDD | 0.015 | J Q | 5.4 | 0.0053 | pg/g |
| 1,2,3,6,7,8-HxCDD | 0.011 | J Q | 5.4 | 0.0045 | pg/g |
| 1,2,3,7,8,9-HxCDD | 0.037 | J Q B | 5.4 | 0.0046 | pg/g |
| Total HxCDD | 0.36 | | 5.4 | 0.0048 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.63 | J B | 5.4 | 0.14 | pg/g |
| Total HpCDD | 1.7 | | 5.4 | 0.14 | pg/g |
| OCDD | 25 | B | 11 | 0.17 | pg/g |
| 2,3,7,8-TCDF | 0.13 | J Q | 1.1 | 0.0028 | pg/g |
| Total TCDF | 0.13 | | 1.1 | 0.0028 | pg/g |
| 1,2,3,7,8-PeCDF | 0.066 | J Q | 5.4 | 0.044 | pg/g |
| 2,3,4,7,8-PeCDF | ND | | 5.4 | 0.046 | pg/g |
| Total PeCDF | 0.11 | | 5.4 | 0.045 | pg/g |
| 1,2,3,4,7,8-HxCDF | 0.10 | J Q B | 5.4 | 0.072 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | | 5.4 | 0.067 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | | 5.4 | 0.071 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.4 | 0.079 | pg/g |
| Total HxCDF | 0.10 | | 5.4 | 0.072 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.15 | J Q B | 5.4 | 0.12 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 5.4 | 0.14 | pg/g |
| Total HpCDF | 0.29 | | 5.4 | 0.13 | pg/g |
| OCDF | 0.23 | J Q B | 11 | 0.099 | pg/g |

1340

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bb

bb

NCA Labs Korea Co, Ltd.
 Sample ID: B09-195-S1
 Trace Level Organic Compounds
 SW846 8290

Lot - Sample #....: G9I240378 - 042
 Date Sampled....: 09/22/09
 Prep Date....: 10/19/09
 Prep Batch #: 9292309
 Initial Wgt/Vol : 10 g

Work Order #....: LLJDG1AQ
 Date Received....: 09/25/09
 Analysis Date....: 10/28/09
 Instrument ID....: 4D5
 Analyst ID....: Susan X. Yan

Matrix....: SOLID
 Dilution Factor: 1
 Percent Moisture: 8.0

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 80 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 71 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 68 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 67 | 40 - 135 |
| 13C-OCDD | 64 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 75 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 69 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 70 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 60 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- B Method blank contamination The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

1341



11/20/2009

b6



b6

NCA Labs Korea Co, Ltd.

Sample ID: B09-195-S2

Trace Level Organic Compounds

SW846 8290

| | | | | | |
|---------------------|-----------------|--------------------|--------------|-------------------|-------|
| Lot - Sample #....: | G9I240378 - 043 | Work Order #....: | LLJDH1AF | Matrix....: | SOLID |
| Date Sampled....: | 09/22/09 | Date Received....: | 09/25/09 | Dilution Factor: | 0.94 |
| Prep Date....: | 10/19/09 | Analysis Date....: | 10/28/09 | Percent Moisture: | 12 |
| Prep Batch #: | 9292309 | Instrument ID....: | 4D5 | | |
| Initial Wgt/Vol : | 10.6 g | Analyst ID....: | Susan X. Yan | | |

| PARAMETER | RESULT | | REPORTING LIMIT | ESTIMATED DETECTION LIMIT | UNITS |
|---------------------|--------|-------|-----------------|---------------------------|-------|
| 2,3,7,8-TCDD | ND | | 1.1 | 0.023 | pg/g |
| Total TCDD | ND | | 1.1 | 0.023 | pg/g |
| 1,2,3,7,8-PeCDD | 0.018 | J Q | 5.3 | 0.0080 | pg/g |
| Total PeCDD | 0.078 | | 5.3 | 0.0080 | pg/g |
| 1,2,3,4,7,8-HxCDD | ND | | 5.3 | 0.035 | pg/g |
| 1,2,3,6,7,8-HxCDD | ND | | 5.3 | 0.029 | pg/g |
| 1,2,3,7,8,9-HxCDD | ND | | 5.3 | 0.034 | pg/g |
| Total HxCDD | 0.16 | | 5.3 | 0.035 | pg/g |
| 1,2,3,4,6,7,8-HpCDD | 0.76 | J B | 5.3 | 0.11 | pg/g |
| Total HpCDD | 1.5 | | 5.3 | 0.11 | pg/g |
| OCDD | 14 | B | 11 | 0.16 | pg/g |
| 2,3,7,8-TCDF | 0.090 | J Q | 1.1 | 0.0031 | pg/g |
| Total TCDF | 0.16 | | 1.1 | 0.0031 | pg/g |
| 1,2,3,7,8-PeCDF | ND | | 5.3 | 0.051 | pg/g |
| 2,3,4,7,8-PeCDF | ND | | 5.3 | 0.053 | pg/g |
| Total PeCDF | ND | | 5.3 | 0.053 | pg/g |
| 1,2,3,4,7,8-HxCDF | 0.089 | J Q B | 5.3 | 0.056 | pg/g |
| 1,2,3,6,7,8-HxCDF | ND | | 5.3 | 0.052 | pg/g |
| 2,3,4,6,7,8-HxCDF | ND | | 5.3 | 0.054 | pg/g |
| 1,2,3,7,8,9-HxCDF | ND | | 5.3 | 0.061 | pg/g |
| Total HxCDF | 0.35 | | 5.3 | 0.055 | pg/g |
| 1,2,3,4,6,7,8-HpCDF | 0.25 | J Q B | 5.3 | 0.11 | pg/g |
| 1,2,3,4,7,8,9-HpCDF | ND | | 5.3 | 0.13 | pg/g |
| Total HpCDF | 1.1 | | 5.3 | 0.12 | pg/g |
| OCDF | 1.1 | J B | 11 | 0.065 | pg/g |

1342

11/20/2009

b6

b6

NCA Labs Korea Co, Ltd.

Sample ID: B09-195-S2

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G91240378 - 043
Date Sampled....: 09/22/09
Prep Date....: 10/19/09
Prep Batch #: 9292309
Initial Wgt/Vol : 10.6 g

Work Order #....: LLJDH1AF
Date Received....: 09/25/09
Analysis Date....: 10/28/09
Instrument ID....: 4D5
Analyst ID....: Susan X. Yan

Matrix....: SOLID
Dilution Factor: 0.94
Percent Moisture: 12

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-------------------------|------------------------|
| 13C-2,3,7,8-TCDD | 75 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDD | 68 | 40 - 135 |
| 13C-1,2,3,6,7,8-HxCDD | 76 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDD | 67 | 40 - 135 |
| 13C-OCDD | 65 | 40 - 135 |
| 13C-2,3,7,8-TCDF | 72 | 40 - 135 |
| 13C-1,2,3,7,8-PeCDF | 64 | 40 - 135 |
| 13C-1,2,3,4,7,8-HxCDF | 66 | 40 - 135 |
| 13C-1,2,3,4,6,7,8-HpCDF | 61 | 40 - 135 |

QUALIFIERS

Results and reporting limits have been adjusted for dry weight

- B Method blank contamination The associated method blank contains the target analyte at a reportable level.
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC)

1343



11/20/2009

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EXECUTIVE SUMMARY
SITE ASSESSMENTS OF HM/POL SITES
BEQ HILL, LAND FARM, BUILDINGS 565 AND BUILDING 326
CAMP CARROLL, KOREA

1. PURPOSE. The purpose of the Environmental Site Assessment (ESA) was to determine if chemicals have been released at the sites of concern that could pose a threat to human health. The scope of this ESA does not include precise determination of the extent of contamination, should it exist. The soil pathway was the focus of the ESAs at the BEQ Hill, the Land Farm, Building 565, and Building 326 of Camp Carroll.

2. SUMMARY OF FINDINGS.

BEQ Hill: Based on the result of geophysical survey and subsurface investigation, the size of the waste burial cell is approximately 25 meters long, 14 meters wide and 6 meters deep. Soil boring and geophysical survey work conducted at the site indicate that the waste cell consists of a mixture of soil backfill and waste material, with an estimated volume of 2,100 cubic meters, of which approximately 1,000 cubic meters consists of waste material and contaminated soil. Laboratory analysis detected several volatile organic compounds (VOCs) in site soils. The predominant VOC detected was tetrachloroethane, a solvent-related chemical. The detected VOC concentrations do not exceed U.S. Environmental Protection Agency (EPA) comprehensive environmental response, compensation, and liability act (CERCLA) preliminary remediation goals (PRGs) for residential soil. A few pesticide, metal, and dioxin/furan compounds also were detected in site soils. None of the detected concentrations exceeds EPA PRGs for residential soil. Several of the solvent-related VOCs do exceed the EPA guidance values for threat of soil contamination to ground water. These solvent-related VOCs were detected in a site ground-water monitoring well. Preliminary findings indicate that contamination from the waste buried at the site has been released to the underlying ground water. Site ground-water contamination could pose a threat to human health, because ground-water supply wells are used for Camp Carroll's potable water supply.

Land Farm Site: Laboratory analysis detected VOCs in site soils. Most of the detected VOCs were solvent-related chemicals. The detected VOC concentrations did not exceed EPA PRGs for residential soil. VOC contamination was detected as deep as 6 to 8 meters below ground surface. A few pesticide, metal, and dioxin/furan compounds also were detected in site soils. Of the detected chemicals, arsenic was detected in one soil sample at a concentration greater than its PRG for residential soil. Solvent-related VOCs were detected in several soil samples at levels that exceed EPA PRGs for soil concentrations threatening ground-water contamination. Arsenic was also detected in one soil sample at a concentration greater than the EPA guidance level for protection of ground water.

Building 565 Site: VOCs were the only chemicals detected by analyses of the site soils. Six petroleum-related compounds and one solvent-related compound were detected in site soil samples. One solvent-related compound, PCE, was detected in a site soil sample at a

concentration greater than the EPA guidance level for protection of ground water.

Building 326 Site: The Building 326 site was assessed for the presence of fuel-related contamination. Field and laboratory analyses identified high levels of fuel contamination behind Building 326 in the subsurface. Fuel contamination is primarily diesel and gasoline, and to a lesser extent JP-8. Total petroleum hydrocarbon concentrations were detected as high as 16,000 mg/kg for diesel-range and 4,400 mg/kg for gasoline-range hydrocarbons. Elevated levels of benzene, toluene, ethylbenzene, and xylenes (BTEX) were also detected in subsurface soils. Benzene was detected in several soil samples at concentrations greater than its EPA residential PRG. Site conditions indicate high levels of fuel-related contamination of which the extent appears to be substantial, but has not been fully characterized.

3. RECOMMENDATIONS.

BEQ Hill site: Construct five ground-water monitoring wells in the vicinity of the BEQ Hill site, analyze water samples for VOCs and pesticides, and evaluate if the concentrations in the ground water pose a threat to human health. After ground-water assessment determine if corrective actions are required for site soils based on the need to be more protective than the EPA residential PRGs or to remove source contamination to the underlying ground water. For future planning, the estimated volume of contaminated material that would be excavated and disposed of off site is estimated to be 1,000 cubic meters.

Land Farm: Drill at least 25 additional borings at the site and analyze soil-boring samples for VOCs, pesticides and arsenic. Construct five ground-water monitoring wells in the vicinity of the Land Farm site, analyze water samples for VOCs, pesticides, and arsenic and evaluate if concentrations in the ground water pose a threat to human health. After ground-water assessment and additional soil sampling, determine if corrective actions are required for site soils based on the need to be more protective than the EPA residential PRGs or to remove source contamination to the underlying ground water.

Building 565: Construct four ground-water monitoring wells in the vicinity of the Building 565 site and analyze water samples for VOCs. Evaluate if contaminants present in site soil have actually leached into the ground water, and if so whether the levels pose a threat to human health. After ground-water assessment determine if corrective actions are required for site soils based on the need to be more protective than the EPA residential PRGs or to remove source contamination to the underlying ground water. For future planning, the estimated volume of soil that may require excavation for offsite disposal is 1,800 cubic meters.

Building 326: Drill at least 25 additional soil borings at the site and analyze soil-boring samples for petroleum hydrocarbon contamination to determine extent of subsurface contamination. Construct four ground-water monitoring wells around Building 326 and analyze water samples for BTEX. Volume of contaminated soil that will require removal cannot be determined at this time due to insufficient information regarding the extent of contamination.

Table 15. I-TEQs for Dioxins/Furans Detected in Soils Collected at the Land Farm

| Borehole ID | Sample ID | Sample Interval (m) | | Date Sampled | Analytical Method | International-89 Toxicity Equivalent Quantity† | PRG‡ (ng/kg) |
|-------------|-----------|---------------------|-----|--------------|-------------------|--|--------------|
| | | from | to | | | | |
| B04-186 | B04-186-1 | 0.0 | 2.4 | 5/17/2004 | SW8290 | 0.506 | 3.89 |
| | B04-186-2 | 3.0 | 4.8 | 5/17/2004 | SW8290 | 0.628 | 3.89 |
| | B04-186-3 | 6.0 | 8.4 | 5/17/2004 | SW8290 | 0.512 | 3.89 |
| | B04-186-4 | 3.0 | 4.8 | 5/17/2004 | SW8290 | 0.504 | 3.89 |
| B04-187 | B04-187-1 | 0.0 | 2.4 | 5/17/2004 | SW8290 | 0.596 | 3.89 |
| | B04-187-2 | 3.0 | 4.8 | 5/17/2004 | SW8290 | 0.608 | 3.89 |
| | B04-187-3 | 6.0 | 8.4 | 5/17/2004 | SW8290 | 0.572 | 3.89 |
| B04-188 | B04-188-1 | 0.0 | 2.4 | 5/17/2004 | SW8290 | 0.523 | 3.89 |
| | B04-188-2 | 3.0 | 4.8 | 5/17/2004 | SW8290 | 0.625 | 3.89 |
| | B04-188-3 | 6.0 | 7.8 | 5/17/2004 | SW8290 | 0.527 | 3.89 |
| B04-189 | B04-189-1 | 0.0 | 2.4 | 5/18/2004 | SW8290 | 0.502 | 3.89 |
| | B04-189-2 | 3.0 | 4.8 | 5/18/2004 | SW8290 | 0.962 | 3.89 |
| | B04-189-3 | 6.0 | 7.2 | 5/18/2004 | SW8290 | 0.489 | 3.89 |
| | B04-189-4 | 3.0 | 4.8 | 5/18/2004 | SW8290 | 0.687 | 3.89 |
| B04-190 | B04-190-1 | 0.0 | 2.4 | 5/18/2004 | SW8290 | 0.541 | 3.89 |
| | B04-190-2 | 3.0 | 4.8 | 5/18/2004 | SW8290 | 0.536 | 3.89 |
| | B04-190-3 | 6.0 | 7.8 | 5/18/2004 | SW8290 | 0.651 | 3.89 |
| B04-191 | B04-191-1 | 0.0 | 2.4 | 5/18/2004 | SW8290 | 0.605 | 3.89 |
| | B04-191-2 | 3.0 | 4.8 | 5/18/2004 | SW8290 | 0.535 | 3.89 |
| | B04-191-3 | 6.0 | 7.8 | 5/18/2004 | SW8290 | 0.482 | 3.89 |

PRG – US EPA Preliminary Remediation Goal, Residential Soil (Superfund Program)

† I-TEQ value calculated using International-89 Toxicity Equivalent Factors based on 2,3,7,8-TCDD

‡ PRG value for 2,3,7,8-TCDD

was detected in 5 soil samples at concentrations ranging from 0.00947 mg/kg to 0.0146 mg/kg.

The USEPA Region 9 PRG for arsenic (calculated for a cancer endpoint) of 1.6 mg/kg was exceeded in 64 soil samples, The non-cancer endpoint arsenic PRG of 260 mg/kg was not exceeded in the samples analyzed. Other detected metals in Area D soil samples did not exceed USEPA Region 9 PRGs.

4.1.2.1.9 Dioxins

Six surface soil sample and twenty-one subsurface soil samples were analyzed for dioxins in accordance with Method 8290. The method analytical results are summarized in Table 4-2. Dioxin detections are summarized on Table 4-8.

A review of the laboratory results indicates that dioxins were detected in five surface soil samples and eighteen subsurface soil samples. The greatest measured dioxin constituent concentration was 388 pg/g OCDD (Sample CC040SS01). The approximate locations of detected dioxins within Area D are depicted on Figure 4-13.

The USEPA has established a PRG of 1.6E-05 mg/kg (0.016 pg/g) for the dioxin 2,3,7,8-TCDD. A total TCDD concentration of 0.461 pg/g was reported for sample CC027BS02, however the 2,3,7,8-TCDD concentration was less than the laboratory method detection limit. Total TCDD concentrations were less than the laboratory method detection limit in the remaining soil samples analyzed.

4.1.2.2 Groundwater Sample Results

Area D groundwater sample results for each laboratory analytical method are presented in this section.

4.1.2.2.1 Total Petroleum Hydrocarbons (TPH)

Selected groundwater samples obtained from Area 41 were analyzed for TPH-G and TPH-D&O in accordance with EPA Methods 8015 and 8020B. Nine groundwater samples were analyzed for TPH-G and TPH-D&O. The TPH method analytical results are summarized in Table 4-2. TPH detections are summarized on Table 4-9.

Executive Summary

The US Army Corps of Engineers, Far East District (FED) conducted a Remedial Investigation/Feasibility Study (RI/FS) at the Land Farm and Area D (LF-Area D) of Camp Carroll during February 2009 to March 2010. The RI at the site was conducted to better delineate the lateral extent of subsurface soil and groundwater contamination and the levels of chemicals of potential concern of the LF-Area D. The FS was also conducted to evaluate potential remedial alternatives for the site investigated.

All soil samples submitted to the analytical laboratory were analyzed for Total Petroleum Hydrocarbon (TPH), volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), metals, polychlorinated biphenyl (PCB), organochlorinated pesticides (OC-Pesticides) and Dioxin-Furan. Groundwater samples were collected from groundwater monitoring wells as well as the supply wells, and analyzed for VOCs and/or OC-Pesticides.

The analytical data collected during this RI was used to prepare an environmental hazard evaluation (EHE) for the site sampled, which determined whether the contamination present at the site poses a significant long-term or "chronic" threat to human health and the environment. The hazard analysis utilized an Environmental Screening Levels (ESLs) that were based upon published United States Environmental Protection Agency (US EPA) toxicity factors (Guam EPA, 2008).

A total of four chemicals from the subsurface soil exceeded the Tier I ESLs for future unrestricted land use: tetrachloroethylene (PCE), toluene, dichlorodiphenyldichloroethane (DDD) and dichlorodiphenyltrichloroethane (DDT). The toluene concentration exceeded the Tier II screening level too. A total of ten groundwater samples were identified "exceeding" Tier I ESLs and nine of those exceeded the Tier II screening level for "drinking water for human toxicity". There are exposure pathways to the known receptors (potentially all installation personnel) whoever uses the groundwater within the installation. Assuming that the site is going to be under construction such as trenching and foundation excavation, the site worker could be directly exposed to the subsurface soil contamination.

It is recommended that the suspected waste buried at the site be removed to prevent further leaching chemicals to the groundwater system. And groundwater should be adequately treated prior to uptaking from the supply wells or before distributing to the buildings. After removal of buried waste and contaminated soil, a periodic monitoring of groundwater quality and subsurface is recommended to evaluate the environmental condition of the site whether change of the concentration level, natural attenuation and contaminant degradation are occurring.

1060 Table 4-7. Dioxin-Furan Chemical Test Results for Soil of LF-Area D.

| Borehole ID | Sample ID | Sample interval (m) | Method | International-89 Toxicity Equivalent Quantity* |
|-------------|-----------|---------------------|--------|--|
| B09-192 | S1 | 0-2 | SW8290 | 0.050972 |
| | S2 | 2-4 | SW8290 | 0.10939 |
| B09-193 | S1 | 0-2 | SW8290 | 0.088955 |
| | S2 | 2-4 | SW8290 | 0.32696 |
| B09-194 | S1 | 0-2 | SW8290 | 0.053555 |
| | S2 | 2-4 | SW8290 | 0.074065 |
| B09-195 | S1 | 0-2 | SW8290 | 0.0600195 |
| | S2 | 2-4 | SW8290 | 0.0575675 |
| B09-196 | S1 | 0-2 | SW8290 | 1.9045 |
| | S2 | 2-4 | SW8290 | 0.044716 |
| B09-197 | S1 | 0-2 | SW8290 | 0.0855335 |
| | S2 | 2-4 | SW8290 | 0.0735295 |
| B09-198 | S1 | 0-2 | SW8290 | 0.051275 |
| | S2 | 2-4 | SW8290 | 0.058031 |
| B09-199 | S1 | 0-2 | SW8290 | 0.061283 |
| | S2 | 2-4 | SW8290 | 0.0562345 |
| B09-200 | S1 | 0-2 | SW8290 | 0.077417 |
| | S2 | 2-4 | SW8290 | 0.057267 |
| B09-201 | S1 | 0-2 | SW8290 | 0.0575452 |
| | S2 | 2-4 | SW8290 | 0.051621 |
| B09-220 | S1 | 0-2 | SW8290 | 0.052821 |
| | S2 | 2-4 | SW8290 | 0.04320945 |
| B09-221 | S1 | 0-2 | SW8290 | 0.132052 |
| | S2 | 2-4 | SW8290 | 0.0236826 |
| B09-222 | S1 | 0-2 | SW8290 | 0.0745945 |
| | S2 | 2-4 | SW8290 | 0.052043 |

* I-TEQ value calculated using International-89 Toxicity Equivalent Factors based on 2,3,7,8-TCDD

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Coversheet for Dioxin Raw Data

CEPOF-DD
24 May 11

1. Purpose. Data related to dioxin levels on Camp Carroll taken from U.S. Army Corps of Engineers studies is provided for dissemination.

2. Measurements.

- a. Amounts specified in picograms per gram or 1×10^{-12} g / g.
- b. Estimated detection limit (EDL) is the minimum level detectable.
- c. Estimated maximum possible concentration (EMPC) is the same as
- d. Reporting limit is the minimum level considered by the testing laboratory to be reportable data.
- e. The presence of 2,3,7,8-TCDD does not necessarily indicate the presence of Agent Orange, as 2,3,7,8-TCDD was used in other legal herbicides in the 1970s.

3. The enclosed pages contain the following data related to dioxin:

- a. Enclosure 1. Raw data from Site Assessments of HM/POL Sites BEQ Hill, Land Farm, Buildings 565 and Building 326, Camp Carroll, Korea, 13 December 2004.
 - i. Agent Orange 2,3,7,8-TCDD not detected in any sample.
- b. Enclosure 2. Raw data from Camp Carroll Area D and Area 41 Site Investigation, Camp Carroll, Korea, July 2004.
 - i. Herbicide dioxin 2,3,7,8-TCDD was detected at low levels in one sample in Area 41. More information is required from Paradigm Analytical Laboratories, Inc to determine basis for reporting limit.
- c. Enclosure 3. Raw data from Remedial Investigation/Feasibility Study at Land Farm and Area D of Camp Carroll, Korea, March 2011.
 - i. Herbicide dioxin 2,3,7,8-TCDD was detected at low levels in three samples in Area D. Concentration was higher than estimated detection limit but lower than reporting limit. More information is required from TestAmerica West Sacramento ([REDACTED]) to determine the basis for the reporting limit. b6

3. Far East District will follow up with testing laboratories to determine basis for reportable limit.

4. The U.S. Army Corps of Engineers has no other information related to dioxin levels on Camp Carroll.

[REDACTED] ^{b6} DSN [REDACTED]
[REDACTED] ^{b6} @usace.army.mil ^{b6}

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Table 4-1
Summary of Samples Collected

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type |
|----------|------------------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|
| 15 | CC054BS01 | 6/5/2003 | C | 1033224 | | | | | | | | | | 1 | 41 | BS |
| | CC054BS01 | | | | | | | | | | | | | | | |
| 5 | (CC007BS01) | 4/10/2003 | B | 113100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | BS |
| 11 | CC060BS01 | 4/4/2003 | B | 1031902 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | BS |
| 7 | CC060BS01 | 6/5/2003 | C | 1033224 | | | | | | | | | | 1 | 41 | BS |
| 5 | CC061BS01 | 4/4/2003 | B | 1031902 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | BS |
| 9 | CC061BS01 | 6/4/2003 | C | 1033197 | | | | | | | | | | 1 | 41 | BS |
| 9 | CC065BS01 | 4/4/2003 | B | 1031902 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | BS |
| 13 | CC065BS01 | 6/5/2003 | C | 1033224 | | | | | | | | | | 1 | 41 | BS |
| 2 | CC066BS01 | 4/12/2003 | B | 1032224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | BS |
| 11 | CC066BS01 | 6/5/2003 | C | 1033224 | | | | | | | | | | 1 | 41 | BS |
| 2 | CC066BS02 | 4/12/2003 | B | 1032224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | BS |
| 3 | CC066BS02 | 6/5/2003 | C | 1033224 | | | | | | | | | | 1 | 41 | BS |
| 12 | CC066BS02 | 6/5/2003 | C | 1033224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | BS |
| 6 | CC161BS01 | 4/4/2003 | B | 1031902 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | BSD |
| 2 | CC261BS01 | 4/4/2003 | E | 112974 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | BSD |
| 4 | CC261BS01 | 6/4/2003 | F | 114073 | | | | | | | | | | 1 | 41 | BSD |
| | Total BS Area 41 | | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | 8 | 7 | 41 | 13 |
| | Primary | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 6 | 6 | | |
| | Dupes | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | | |
| | QA Dupes | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| 3 | CC051SS01 | 6/5/2003 | D | 1033224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 3 | CC052SS01 | 4/4/2003 | B | 1031902 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 10 | CC052SS01 | 6/4/2003 | C | 1033197 | | | | | | | | | | 1 | 41 | SS |
| 14 | CC054SS01 | 6/5/2003 | C | 1033224 | | | | | | | | | | 1 | 41 | SS |
| | CC054SS01 | | | | | | | | | | | | | 1 | 41 | SS |
| 4 | (CC007SS01) | 4/10/2003 | B | 113100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 4 | CC055SS01 | 6/5/2003 | D | 1033224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 12 | CC056SS01 | 6/4/2003 | D | 1033197 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 1 | CC057SS01 | 6/5/2003 | D | 1033224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 11 | CC059SS01 | 6/4/2003 | D | 1033197 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 10 | CC060SS01 | 4/4/2003 | B | 1031902 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 6 | CC060SS01 | 6/5/2003 | C | 1033224 | | | | | | | | | | 1 | 41 | SS |
| 4 | CC061SS01 | 4/4/2003 | B | 1031902 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 8 | CC061SS01 | 6/4/2003 | C | 1033197 | | | | | | | | | | 1 | 41 | SS |
| 7 | CC062SS01 | 4/4/2003 | B | 1031902 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 9 | CC062SS01 | 6/5/2003 | C | 1033224 | | | | | | | | | | 1 | 41 | SS |
| 8 | CC065SS01 | 4/4/2003 | B | 1031902 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 8 | CC065SS01 | 6/5/2003 | C | 1033224 | | | | | | | | | | 1 | 41 | SS |
| 1 | CC066SS01 | 4/12/2003 | B | 1032224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 41 | SS |
| 10 | CC066SS01 | 6/5/2003 | C | 1033224 | | | | | | | | | | 1 | 41 | SS |

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Table 4-1
Summary of Samples Collected

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type |
|----------|-----------------------------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|
| 5 | CC067SS01 | 6/5/2003 | D | 1033224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 41 | SS |
| 2 | CC157SS01 | 6/5/2003 | D | 1033224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 41 | SSD |
| 1 | CC256SS01 | 4/5/2003 | E | 112983 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 41 | SSQ |
| 2 | CC256SS01 | 6/4/2003 | F | 114073 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 41 | SSQ |
| 2 | CC259SS01 | 4/5/2003 | E | 112983 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 41 | SSQ |
| 3 | CC259SS01 | 6/4/2003 | F | 114073 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 41 | SSQ |
| | Total SS Area 41 | | | | 14 | 16 | 16 | 16 | 15 | 13 | 16 | 4 | 1 | 16 | 41 | 21 |
| | Primary | | | | 11 | 13 | 13 | 13 | 12 | 10 | 13 | 4 | 1 | 13 | | |
| | Dupes | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | | |
| | QA Dupes | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 2 | | |
| 1 | CC353WS01 | 6/5/2003 | A | 1033211 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 41 | WS |
| 1 | CC354WS01 | 6/4/2003 | A | 1033200 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 41 | WS |
| 3 | CC366WS01 | 6/5/2003 | A | 1033211 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 41 | WS |
| 2 | CCM14WS01 | 6/5/2003 | A | 1033211 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 41 | WS |
| | Total WS Area 41 | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 41 | 4 |
| | Primary | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | | |
| | Dupes | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | QA Dupes | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | Total Soil Samples Area 41 | | | | 22 | 24 | 24 | 24 | 23 | 21 | 24 | 8 | 9 | 23 | 41 | 34 |
| | Primary | | | | 17 | 19 | 19 | 19 | 18 | 16 | 19 | 6 | 7 | 19 | | |
| | Dupes | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | | |
| | QA Dupes | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | | |
| | Total Water Samples Area 41 | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 41 | 4 |
| | Primary | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | | |
| | Dupes | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | QA Dupes | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | Total All Samples Area 41 | | | | 26 | 28 | 28 | 28 | 27 | 25 | 28 | 10 | 13 | 27 | 41 | 38 |
| | Primary | | | | 21 | 23 | 23 | 23 | 22 | 20 | 23 | 8 | 11 | 23 | | |
| | Dupes | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | | |
| | QA Dupes | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 3 | | |
| 1 | CC001BS01 | 4/10/2003 | B | 113100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | D | BS |
| 2 | CC001BS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | | D | BS |
| 16 | CC006BS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 14 | CC006BS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | | D | BS |
| 17 | CC006BS02 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | D | BS |
| 15 | CC006BS02 | 5/27/2003 | C | 1033073 | | | | | | | | | | | D | BS |
| 5 | CC010BS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | D | BS |
| 6 | CC010BS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | | D | BS |

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Table 4-1
Summary of Samples Collected

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type |
|----------|-------------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|
| 10 | CC010BS02 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | D | BS |
| 7 | CC010BS02 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | BS |
| 6 | CC017BS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 11 | CC017BS01 | 6/3/2003 | C | 1033164 | | | | | | | | | 1 | 1 | D | BS |
| 10 | CC017BS02 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 12 | CC017BS02 | 6/3/2003 | C | 1033164 | | | | | | | | | 1 | 1 | D | BS |
| 11 | CC017BS03 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 13 | CC017BS03 | 6/3/2003 | C | 1033164 | | | | | | | | | 1 | 1 | D | BS |
| 14 | CC018BS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 15 | CC018BS01 | 6/3/2003 | C | 1033164 | | | | | | | | | 1 | 1 | D | BS |
| 15 | CC018BS02 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 16 | CC018BS02 | 6/3/2003 | C | 1033164 | | | | | | | | | 1 | 1 | D | BS |
| 21 | CC022BS0* | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 2 | CC022BS0* | 6/4/2003 | C | 1033197 | | | | | | | | | 1 | 1 | D | BS |
| 1 | CC024BS0* | 4/9/2003 | B | 1031972 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 18 | CC024BS0* | 6/3/2003 | C | 1033164 | | | | | | | | | 1 | 1 | D | BS |
| 2 | CC024BS02 | 4/9/2003 | B | 1031972 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 19 | CC024BS02 | 6/3/2003 | C | 1033164 | | | | | | | | | 1 | 1 | D | BS |
| 3 | CC024BS03 | 4/9/2003 | B | 1031972 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 20 | CC024BS03 | 6/3/2003 | C | 1033164 | | | | | | | | | 1 | 1 | D | BS |
| 23 | CC026BS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 6 | CC026BS01 | 5/30/2003 | C | 1033105 | | | | | | | | | 1 | 1 | D | BS |
| 24 | CC026BS02 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 8 | CC026BS02-1 | 5/30/2003 | C | 1033105 | | | | | | | | | 1 | 1 | D | BS |
| 9 | CC026BS02-2 | 5/30/2003 | C | 1033105 | | | | | | | | | 1 | 1 | D | BS |
| 1 | CC027BS01 | 4/4/2003 | B | 1031902 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 3 | CC027BS01 | 6/4/2003 | C | 1033197 | | | | | | | | | 1 | 1 | D | BS |
| 2 | CC027BS02 | 4/4/2003 | B | 1031902 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 5 | CC027BS02 | 6/4/2003 | C | 1033197 | | | | | | | | | 1 | 1 | D | BS |
| 22 | CC028BS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 4 | CC028BS01 | 6/3/2003 | C | 1033164 | | | | | | | | | 1 | 1 | D | BS |
| 24 | CC028BS02 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 6 | CC028BS02 | 6/3/2003 | C | 1033164 | | | | | | | | | 1 | 1 | D | BS |
| 1 | CC037BS01 | 4/13/2003 | B | 1032133 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 18 | CC037BS01 | 5/30/2003 | C | 1033105 | | | | | | | | | 1 | 1 | D | BS |
| 2 | CC037BS02 | 4/13/2003 | B | 1032133 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 19 | CC037BS02 | 5/30/2003 | C | 1033105 | | | | | | | | | 1 | 1 | D | BS |
| 13 | CC037BS03 | 6/4/2003 | D | 1033197 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 14 | CC037BS04 | 6/4/2003 | D | 1033197 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 15 | CC037BS05 | 6/4/2003 | D | 1033197 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |
| 16 | CC037BS06 | 6/4/2003 | D | 1033197 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | D | BS |

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Table 4-1
Summary of Samples Collected

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type |
|----------|-----------------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|
| 18 | CC037BS07 | 6/4/2003 | D | 1033197 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | BS |
| 1 | CC038BS01 | 4/15/2003 | B | 1032164 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | BS |
| 17 | CC038BS01 | 5/30/2003 | C | 1033105 | | | | | | | | | | 1 | D | BS |
| 2 | CC040BS01 | 4/16/2003 | B | 1032180 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | BS |
| 12 | CC040BS01 | 5/30/2003 | C | 1033105 | | | | | | | | | | 1 | D | BS |
| 2 | CC080BS01 | 4/10/2003 | B | 113100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | BS |
| 6 | CC080BS01 | 6/4/2003 | C | 1033197 | | | | | | | | | | 1 | D | BS |
| 16 | CC118BS02 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | BS |
| 17 | CC118BS02 | 6/3/2003 | C | 1033164 | | | | | | | | | | 1 | D | BSD |
| 4 | CC127BS01 | 6/4/2003 | C | 1033197 | | | | | | | | | | 1 | D | BSD |
| 23 | CC128BS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | BSD |
| 5 | CC128BS01 | 6/3/2003 | C | 1033164 | | | | | | | | | | 1 | D | BSD |
| 17 | CC137BS06 | 6/4/2003 | D | 1033197 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | BSD |
| 3 | CC180BS01 | 4/10/2003 | B | 113100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | BSD |
| 7 | CC180BS01 | 6/4/2003 | C | 1033197 | | | | | | | | | | 1 | D | BSD |
| 2 | CC222BS01 | 4/3/2003 | E | 112915 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | BSD |
| 1 | CC222BS01 | 6/4/2003 | F | 114073 | | | | | | | | | | 1 | D | BSQ |
| 1 | CC227BS01 | 4/4/2003 | E | 112974 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | BSQ |
| 2 | CC227BS01 | 6/4/2003 | F | 114073 | | | | | | | | | | 1 | D | BSQ |
| 4 | CC228BS01 | 6/3/2003 | F | 114050 | | | | | | | | | | 1 | D | BSQ |
| 3 | CC228BS02 | 4/3/2003 | E | 112915 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | BSQ |
| | Total BS Area D | | | | 37 | 37 | 37 | 37 | 37 | 31 | 37 | 21 | 49 | 39 | D | 64 |
| | Primary | | | | 30 | 30 | 30 | 30 | 30 | 25 | 30 | 19 | 40 | 31 | | |
| | Dupes | | | | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 1 | 6 | 5 | | |
| | QA Dupes | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | | |
| 3 | CC001SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | SS |
| 1 | CC001SS01 | 4/2/2003 | B | 1031851 | | | | | | | | | | 1 | D | SS |
| 1 | CC001SS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | SS |
| 12 | CC003SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | SS |
| 1 | CC003SS01 | 6/3/2003 | C | 1033164 | | | | | | | | | | 1 | D | SS |
| 2 | CC004SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | SS |
| 3 | CC004SS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | SS |
| 14 | CC006SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | SS |
| 2 | CC006SS01 | 4/2/2003 | B | 1031851 | | | | | | | | | | 1 | D | SS |
| 13 | CC006SS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | SS |
| 4 | CC007SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | SS |
| 2 | CC007SS01 | 6/3/2003 | C | 1033164 | | | | | | | | | | 1 | D | SS |
| 6 | CC008SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | SS |
| 11 | CC008SS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | SS |
| 7 | CC009SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | D | SS |

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Table 4-1
Summary of Samples Collected

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type |
|----------|-----------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|
| 12 | CC009SS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | SS |
| 1 | CC010SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 4 | CC010SS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | SS |
| 8 | CC013SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 5 | CC013SS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | SS |
| 17 | CC014SS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 3 | CC014SS01 | 6/3/2003 | C | 1033164 | | | | | | | | | | 1 | D | SS |
| 11 | CC015SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | D | SS |
| 4 | CC015SS01 | 4/2/2003 | B | 1031851 | 1 | | | | | | | | | | D | SS |
| 10 | CC015SS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | SS |
| 5 | CC017SS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 10 | CC017SS01 | 6/3/2003 | C | 1033164 | | | | | | | | | | 1 | D | SS |
| 13 | CC018SS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 14 | CC018SS01 | 6/3/2003 | C | 1033164 | | | | | | | | | | 1 | D | SS |
| 15 | CC019SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 9 | CC019SS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | SS |
| 19 | CC020SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | D | SS |
| 15 | CC020SS01 | 5/30/2003 | C | 1033105 | | | | | | | | | | 1 | D | SS |
| 22 | CC021SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 14 | CC021SS01 | 5/30/2003 | C | 1033105 | | | | | | | | | | 1 | D | SS |
| 19 | CC022SS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 1 | CC022SS01 | 6/4/2003 | C | 1033197 | | | | | | | | | | 1 | D | SS |
| 21 | CC023SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 8 | CC023SS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | SS |
| 20 | CC025SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 16 | CC025SS01 | 5/30/2003 | C | 1033105 | | | | | | | | | | 1 | D | SS |
| 18 | CC026SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 4 | CC026SS01 | 5/30/2003 | C | 1033105 | | | | | | | | | | 1 | D | SS |
| 7 | CC029SS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 13 | CC029SS01 | 5/30/2003 | C | 1033105 | | | | | | | | | | 1 | D | SS |
| 8 | CC030SS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 7 | CC030SS01 | 5/30/2003 | C | 1033105 | | | | | | | | | | 1 | D | SS |
| 9 | CC031SS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 16 | CC031SS01 | 5/27/2003 | C | 1033073 | | | | | | | | | | 1 | D | SS |
| 12 | CC032SS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 5 | CC032SS01 | 5/30/2003 | C | 1033105 | | | | | | | | | | 1 | D | SS |
| 20 | CC035SS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SS |
| 10 | CC035SS01 | 5/30/2003 | C | 1033105 | | | | | | | | | | 1 | D | SS |
| 1 | CC040SS01 | 4/16/2003 | B | 1032180 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | D | SS |
| 11 | CC040SS01 | 5/30/2003 | C | 1033105 | | | | | | | | | | 1 | D | SS |
| 13 | CC103SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SSD |

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Table 4-1
Summary of Samples Collected

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type | |
|----------------------------|-----------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|--|
| 7 | CC103SS01 | 6/3/2003 | C | 1033164 | | | | | | | | | | 1 | D | SSD | |
| 9 | CC107SS01 | 4/2/2003 | B | 1031820 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | D | SSD | |
| 3 | CC107SS01 | 4/2/2003 | B | 1031851 | | | | | | 1 | | | | | D | SSD | |
| 8 | CC107SS01 | 6/3/2003 | C | 1033164 | | | | | | | | | | 1 | D | SSD | |
| 18 | CC114SS01 | 4/3/2003 | B | 1031851 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SSD | |
| 9 | CC114SS01 | 6/3/2003 | C | 1033164 | | | | | | | | | | 1 | D | SSD | |
| 2 | CC203SS01 | 4/2/2003 | E | 112899 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SSD | |
| 1 | CC203SS01 | 6/3/2003 | F | 114050 | | | | | | | | | | 1 | D | SSQ | |
| 1 | CC207SS01 | 4/2/2003 | E | 112899 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | D | SSQ | |
| 2 | CC207SS01 | 6/3/2003 | F | 114050 | | | | | | | | | | 1 | D | SSQ | |
| 1 | CC214SS01 | 4/3/2003 | E | 112915 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | D | SSQ | |
| 3 | CC214SS01 | 6/3/2003 | F | 114050 | | | | | | | | | | 1 | D | SSQ | |
| Total SS Area D | | | | | 32 | 32 | 32 | 33 | 32 | 32 | 32 | 6 | 0 | 32 | D | 62 | |
| Primary | | | | | 26 | 26 | 26 | 27 | 26 | 26 | 26 | 4 | 0 | 26 | | | |
| Dupes | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 0 | 3 | | | |
| QA Dupes | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 0 | 3 | | | |
| | | | | | | | | | | | | | | | | | |
| 1 | CC001WS01 | 5/29/2003 | A | 1033071 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | D | WS | |
| 2 | CC012WS01 | 5/30/2003 | A | 1033105 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | D | WS | |
| 3 | CC024WS01 | 5/29/2003 | A | 1033071 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | D | WS | |
| 1 | CC037WS01 | 6/3/2003 | A | 1033166 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | D | WS | |
| 4 | CC038WS01 | 5/29/2003 | A | 1033071 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | D | WS | |
| 1 | CC039WS01 | 5/30/2003 | A | 1033105 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | D | WS | |
| 3 | CCM23WS01 | 6/3/2003 | A | 1033166 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | D | WS | |
| 2 | CC137WS01 | 6/3/2003 | A | 1033166 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | D | WSD | |
| 5 | CC237WS01 | 6/3/2003 | A | 114050 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | D | WSD | |
| Total WS Area D | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 9 | 9 | D | 8 | |
| Primary | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | | | |
| Dupes | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| QA Dupes | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | | | | | | | | | | | | | | | | |
| Total Soil Samples Area D | | | | | 69 | 69 | 69 | 70 | 69 | 63 | 69 | 27 | 49 | 71 | D | 126 | |
| Primary | | | | | 56 | 56 | 56 | 57 | 56 | 51 | 56 | 23 | 40 | 57 | | | |
| Dupes | | | | | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 2 | 6 | 8 | | | |
| QA Dupes | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 3 | 6 | | | |
| Total Water Samples Area D | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 9 | 9 | D | 8 | |
| Primary | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | | | |
| Dupes | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| QA Dupes | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | | | | | | | | | | | | | | | | |
| Total All Samples Area D | | | | | 78 | 78 | 78 | 79 | 78 | 72 | 78 | 31 | 58 | 80 | D | 134 | |
| Primary | | | | | 63 | 63 | 63 | 64 | 63 | 58 | 63 | 25 | 47 | 64 | | | |

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Table 4-1
Summary of Samples Collected

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type | |
|----------|--|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|--|
| | Dupes | | | | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 3 | 7 | 9 | | | |
| | QA Dupes | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 4 | 7 | | | |
| | Total BS Area 41 and Area D | | | | | | | | | | | | | | | | |
| | Primary | | | | 45 | 45 | 45 | 45 | 45 | 39 | 45 | 25 | 57 | 46 | 418D | 77 | |
| | Dupes | | | | 36 | 36 | 36 | 36 | 36 | 31 | 36 | 21 | 46 | 37 | | | |
| | Dupes | | | | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 2 | 7 | 5 | | | |
| | QA Dupes | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | | | |
| | Total SS Area 41 and Area D | | | | | | | | | | | | | | | | |
| | Primary | | | | 46 | 48 | 48 | 49 | 47 | 45 | 48 | 10 | 1 | 48 | 418D | 83 | |
| | Dupes | | | | 37 | 39 | 39 | 40 | 38 | 36 | 39 | 8 | 1 | 39 | | | |
| | Dupes | | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 0 | 4 | | | |
| | QA Dupes | | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 0 | 5 | | | |
| | Total Soil Samples Area 41 and Area D | | | | | | | | | | | | | | | | |
| | Primary | | | | 91 | 93 | 93 | 94 | 92 | 84 | 93 | 35 | 58 | 94 | 418D | 160 | |
| | Dupes | | | | 73 | 75 | 75 | 76 | 74 | 67 | 75 | 29 | 47 | 76 | | | |
| | Dupes | | | | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 3 | 7 | 9 | | | |
| | QA Dupes | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 3 | 4 | 9 | | | |
| | Total Water Samples Area 41 and Area D | | | | | | | | | | | | | | | | |
| | Primary | | | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 6 | 13 | 13 | 418D | 12 | |
| | Dupes | | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 4 | 11 | 11 | | | |
| | Dupes | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | QA Dupes | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | Total All Samples Area 41 and Area D | | | | | | | | | | | | | | | | |
| | Primary | | | | 104 | 106 | 106 | 107 | 105 | 97 | 106 | 41 | 71 | 107 | 418D | 172 | |
| | Dupes | | | | 84 | 86 | 86 | 87 | 85 | 78 | 86 | 33 | 58 | 87 | | | |
| | Dupes | | | | 10 | 10 | 10 | 10 | 10 | 9 | 10 | 4 | 8 | 10 | | | |
| | QA Dupes | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 5 | 10 | | | |

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Table 4-2
Summary of Laboratory Results: All Samples

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081/A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type |
|----------|------------------|----------------|----------|---------------------|------------------|-----------------|-----------|-------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|
| 15 | CC054BS01 | 6/5/2003 | C | 1033224 | na | na | na | na | na | na | na | na | na | ND | 41 | BS |
| | CC054BS01 | | | | | | | | | | | | | | | |
| 5 | (CC007BS01) | 4/10/2003 | B | 113100 | ND | ND | ND | DET | ND | ND | DET | na | DET | na | 41 | BS |
| 11 | CC060BS01 | 4/4/2003 | B | 1031902 | ND | ND | ND | DET | ND | ND | DET | na | DET | na | 41 | BS |
| 7 | CC060BS01 | 6/5/2003 | C | 1033224 | na | na | na | na | na | na | na | na | na | ND | 41 | BS |
| 5 | CC061BS01 | 4/4/2003 | B | 1031902 | ND | ND | ND | DET | ND | ND | DET | ND | ND | na | 41 | BS |
| 9 | CC061BS01 | 6/4/2003 | C | 1033197 | na | na | na | na | na | na | na | na | na | ND | 41 | BS |
| 9 | CC065BS01 | 4/4/2003 | B | 1031902 | ND | DET | ND | DET | ND | ND | DET | na | DET | na | 41 | BS |
| 13 | CC065BS01 | 6/5/2003 | C | 1033224 | na | na | na | na | na | na | na | na | na | ND | 41 | BS |
| 2 | CC066BS01 | 4/12/2003 | B | 1032224 | na | DET | ND | DET | ND | na | DET | na | na | ND | 41 | BS |
| 11 | CC066BS01 | 6/5/2003 | C | 1033224 | ND | na | na | na | na | na | na | na | na | na | 41 | BS |
| 3 | CC066BS02 | 4/12/2003 | B | 1032224 | na | ND | ND | ND | ND | na | DET | na | ND | na | 41 | BS |
| 12 | CC066BS02 | 6/5/2003 | C | 1033224 | ND | na | na | na | na | na | DET | na | na | na | 41 | BS |
| 6 | CC161BS01 | 4/4/2003 | B | 1031902 | ND | ND | ND | DET | ND | ND | DET | na | DET | na | 41 | BSD |
| 2 | CC261BS01 | 4/4/2003 | E | 112974 | ND | ND | ND | DET | ND | ND | DET | na | DET | na | 41 | BSQ |
| 4 | CC261BS01 | 6/4/2003 | F | 114073 | na | na | na | na | na | na | na | na | na | ND | 41 | BSQ |
| | Total BS Area 41 | | | | 0 | 2 | 0 | 7 | 0 | 0 | 8 | 2 | 5 | 0 | 41 | 13 |
| | Primary | | | | 0 | 2 | 0 | 5 | 0 | 0 | 6 | 1 | 4 | 0 | | |
| | Dupes | | | | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | | |
| | QA Dupes | | | | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | | |
| 3 | CC351SS01 | 6/5/2003 | D | 1033224 | ND | ND | ND | DET | ND | ND | DET | na | na | na | 41 | SS |
| 3 | CC352SS01 | 4/4/2003 | B | 1031902 | ND | ND | ND | ND | ND | ND | DET | na | na | na | 41 | SS |
| 10 | CC352SS01 | 6/4/2003 | C | 1033197 | na | na | na | na | na | na | na | na | na | ND | 41 | SS |
| 14 | CC354SS01 | 6/5/2003 | C | 1033224 | na | na | na | na | na | na | na | na | na | ND | 41 | SS |
| | CC054SS01 | | | | | | | | | | | | | | | |
| 4 | (CC007SS01) | 4/10/2003 | B | 113100 | na | DET | ND | DET | ND | ND | DET | na | na | na | 41 | SS |
| 4 | CC355SS01 | 6/5/2003 | D | 1033224 | ND | DET | ND | DET | ND | ND | DET | na | na | na | 41 | SS |
| 12 | CC356SS01 | 6/4/2003 | D | 1033197 | ND | DET | ND | DET | ND | ND | DET | na | na | na | 41 | SS |
| 1 | CC357SS01 | 6/5/2003 | D | 1033224 | ND | ND | ND | DET | ND | ND | DET | na | na | na | 41 | SS |
| 11 | CC359SS01 | 6/4/2003 | D | 1033197 | ND | ND | ND | DET | ND | na | DET | na | na | na | 41 | SS |
| 10 | CC360SS01 | 4/4/2003 | B | 1031902 | ND | ND | ND | DET | ND | ND | DET | na | na | na | 41 | SS |
| 6 | CC360SS01 | 6/5/2003 | C | 1033224 | na | na | na | na | na | na | na | na | na | na | 41 | SS |
| 4 | CC361SS01 | 4/4/2003 | B | 1031902 | ND | ND | ND | DET | ND | ND | DET | na | na | na | 41 | SS |
| 8 | CC361SS01 | 6/4/2003 | C | 1033197 | na | na | na | na | na | na | na | na | na | na | 41 | SS |
| 7 | CC362SS01 | 4/4/2003 | B | 1031902 | ND | ND | ND | DET | ND | na | DET | na | na | na | 41 | SS |
| 9 | CC362SS01 | 6/5/2003 | C | 1033224 | na | na | na | na | na | na | na | na | na | na | 41 | SS |
| 8 | CC365SS01 | 4/4/2003 | B | 1031902 | na | DET | na | na | na | na | DET | na | na | na | 41 | SS |
| 8 | CC365SS01 | 6/5/2003 | C | 1033224 | na | na | na | na | na | na | na | na | na | na | 41 | SS |
| 1 | CC366SS01 | 4/12/2003 | B | 1032224 | na | DET | na | na | na | na | DET | na | na | na | 41 | SS |
| 10 | CC366SS01 | 6/5/2003 | C | 1033224 | ND | na | na | na | na | na | na | na | na | na | 41 | SS |

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Table 4-2
Summary of Laboratory Results: All Samples

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type |
|----------|-----------------------------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|
| 5 | CC067SS01 | 6/5/2003 | D | 1033224 | ND | ND | DET | ND | ND | ND | DET | DET | na | ND | 41 | SS |
| 2 | CC157SS01 | 6/5/2003 | D | 1033224 | ND | ND | DET | ND | ND | ND | DET | na | na | ND | 41 | SSD |
| 1 | CC256SS01 | 4/5/2003 | E | 112983 | DET | DET | DET | ND | ND | ND | DET | na | na | na | 41 | SSQ |
| 5 | CC256SS01 | 6/4/2003 | F | 114073 | na | na | na | na | na | na | na | na | na | ND | 41 | SSQ |
| 2 | CC259SS01 | 4/5/2003 | E | 112983 | ND | ND | DET | ND | ND | ND | DET | na | na | na | 41 | SSQ |
| 3 | CC259SS01 | 6/4/2003 | F | 114073 | na | na | na | na | na | na | na | na | na | ND | 41 | SSQ |
| | Total SS Area 41 | | | Defects | 1 | 6 | 3 | 15 | 0 | 0 | 16 | 4 | 0 | 0 | 41 | 21 |
| | Primary | | | Defects | 0 | 5 | 2 | 12 | 0 | 0 | 13 | 4 | 0 | 0 | | |
| | Dupes | | | Defects | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | |
| | QA Dupes | | | Defects | 1 | 1 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | | |
| 1 | CC053WS01 | 6/5/2003 | A | 1033211 | ND | ND | ND | ND | ND | ND | DET | DET | DET | ND | 41 | WS |
| 1 | CC054WS01 | 6/4/2003 | A | 1033200 | DET | DET | ND | ND | ND | ND | DET | na | DET | ND | 41 | WS |
| 3 | CC066WS01 | 6/5/2003 | A | 1033211 | DET | ND | ND | ND | ND | ND | DET | DET | DET | ND | 41 | WS |
| 2 | CCM14WS01 | 6/5/2003 | A | 1033211 | ND | ND | ND | ND | ND | ND | DET | na | DET | ND | 41 | WS |
| | Total WS Area 41 | | | Defects | 2 | 1 | 0 | 0 | 0 | 0 | 4 | 2 | 4 | 0 | 41 | 4 |
| | Primary | | | Defects | 2 | 1 | 0 | 0 | 0 | 0 | 4 | 2 | 4 | 0 | | |
| | Dupes | | | Defects | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | QA Dupes | | | Defects | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | Total Soil Samples Area 41 | | | Defects | 1 | 8 | 3 | 22 | 0 | 0 | 24 | 6 | 5 | 0 | 41 | 34 |
| | Primary | | | Defects | 0 | 7 | 2 | 17 | 0 | 0 | 19 | 5 | 4 | 0 | | |
| | Dupes | | | Defects | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | | |
| | QA Dupes | | | Defects | 1 | 1 | 1 | 3 | 0 | 0 | 3 | 0 | 1 | 0 | | |
| | Total Water Samples Area 41 | | | Defects | 2 | 1 | 0 | 0 | 0 | 0 | 4 | 2 | 4 | 0 | 41 | 4 |
| | Primary | | | Defects | 2 | 1 | 0 | 0 | 0 | 0 | 4 | 2 | 4 | 0 | | |
| | Dupes | | | Defects | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | QA Dupes | | | Defects | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | Total All Samples Area 41 | | | Defects | 3 | 9 | 3 | 22 | 0 | 0 | 28 | 8 | 9 | 0 | 41 | 38 |
| | Primary | | | Defects | 2 | 8 | 2 | 17 | 0 | 0 | 23 | 7 | 8 | 0 | | |
| | Dupes | | | Defects | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | | |
| | QA Dupes | | | Defects | 1 | 1 | 1 | 3 | 0 | 0 | 3 | 0 | 1 | 0 | | |
| 1 | CC001BS01 | 4/10/2003 | B | 113100 | ND | ND | DET | ND | ND | ND | DET | ND | DET | na | D | BS |
| 2 | CC001BS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | ND | D | BS |
| 16 | CC006BS01 | 4/2/2003 | B | 1031820 | ND | ND | DET | ND | ND | ND | DET | na | ND | na | D | BS |
| 14 | CC006BS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | na | D | BS |
| 17 | CC006BS02 | 4/2/2003 | B | 1031820 | ND | ND | ND | ND | na | na | na | na | na | ND | D | BS |
| 15 | CC006BS02 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | na | D | BS |
| 5 | CC010BS01 | 4/2/2003 | B | 1031820 | ND | ND | na | na | na | na | na | na | na | ND | D | BS |
| 6 | CC010BS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | na | D | BS |

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Table 4-2
Summary of Laboratory Results: All Samples

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type |
|----------|-------------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|
| 10 | CCJ10BS02 | 4/2/2003 | B | 1031820 | ND | ND | ND | ND | ND | ND | DET | DET | na | na | D | BS |
| 7 | CCJ10BS02 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | ND | D | BS |
| 6 | CCJ17BS01 | 4/3/2003 | B | 1031851 | ND | ND | ND | ND | ND | ND | DET | na | DET | na | D | BS |
| 11 | CCJ17BS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | DET | ND | D | BS |
| 10 | CCJ17BS02 | 4/3/2003 | B | 1031851 | ND | ND | ND | DET | ND | ND | DET | na | ND | na | D | BS |
| 12 | CCJ17BS02 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 11 | CCJ17BS03 | 4/3/2003 | B | 1031851 | ND | ND | ND | ND | ND | ND | DET | DET | ND | na | D | BS |
| 13 | CCJ17BS03 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 14 | CCJ18BS01 | 4/3/2003 | B | 1031851 | ND | DET | ND | DET | ND | ND | DET | na | DET | na | D | BS |
| 15 | CCJ18BS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 15 | CCJ18BS02 | 4/3/2003 | B | 1031851 | ND | DET | ND | DET | ND | ND | DET | na | ND | na | D | BS |
| 16 | CCJ18BS02 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 21 | CCJ22BS01 | 4/3/2003 | B | 1031851 | ND | ND | ND | ND | ND | ND | na | na | ND | na | D | BS |
| 2 | CCJ22BS01 | 6/4/2003 | C | 1033197 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 1 | CCJ24BS01 | 4/9/2003 | B | 1031972 | ND | DET | ND | ND | ND | na | na | na | ND | na | D | BS |
| 18 | CCJ24BS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 2 | CCJ24BS02 | 4/9/2003 | B | 1031972 | ND | ND | ND | ND | ND | na | na | na | ND | na | D | BS |
| 19 | CCJ24BS02 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | DET | na | D | BS |
| 3 | CCJ24BS03 | 4/9/2003 | B | 1031972 | ND | ND | ND | ND | ND | na | na | na | DET | na | D | BS |
| 20 | CCJ24BS03 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | DET | na | D | BS |
| 23 | CCJ26BS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | ND | ND | na | na | na | ND | na | D | BS |
| 6 | CCJ26BS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 24 | CCJ26BS02 | 4/2/2003 | B | 1031820 | ND | ND | ND | ND | ND | na | na | na | ND | na | D | BS |
| 8 | CCJ26BS02-1 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 9 | CCJ26BS02-2 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 1 | CCJ27BS01 | 4/4/2003 | B | 1031902 | ND | ND | ND | ND | ND | na | na | na | ND | na | D | BS |
| 3 | CCJ27BS01 | 6/4/2003 | C | 1033197 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 5 | CCJ27BS02 | 4/4/2003 | B | 1031902 | ND | ND | ND | ND | ND | na | na | na | ND | na | D | BS |
| 22 | CCJ28BS01 | 4/3/2003 | B | 1031851 | ND | ND | ND | DET | ND | na | na | na | ND | na | D | BS |
| 4 | CCJ28BS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 24 | CCJ28BS02 | 4/3/2003 | B | 1031851 | ND | ND | ND | DET | ND | na | na | na | ND | na | D | BS |
| 6 | CCJ28BS02 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 1 | CCJ37BS01 | 4/13/2003 | B | 1032133 | ND | ND | ND | DET | ND | na | na | na | DET | na | D | BS |
| 18 | CCJ37BS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 2 | CCJ37BS02 | 4/13/2003 | B | 1032133 | ND | ND | ND | ND | ND | na | na | na | ND | na | D | BS |
| 19 | CCJ37BS02 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | ND | na | D | BS |
| 13 | CCJ37BS03 | 6/4/2003 | D | 1033197 | DET | ND | DET | DET | ND | na | na | na | DET | na | D | BS |
| 14 | CCJ37BS04 | 6/4/2003 | D | 1033197 | ND | ND | ND | DET | ND | na | na | na | DET | na | D | BS |
| 15 | CCJ37BS05 | 6/4/2003 | D | 1033197 | DET | ND | ND | ND | ND | na | na | na | DET | na | D | BS |
| 16 | CCJ37BS06 | 6/4/2003 | D | 1033197 | ND | ND | ND | ND | ND | na | na | na | DET | na | D | BS |

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Table 4-2
Summary of Laboratory Results: All Samples

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type |
|-----------------|-----------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|
| 18 | CC037BS07 | 6/4/2003 | D | 1033197 | ND | ND | ND | ND | ND | na | DET | na | ND | ND | D | BS |
| 1 | CC038BS01 | 4/15/2003 | B | 1032164 | ND | ND | ND | DET | ND | ND | DET | DET | ND | na | D | BS |
| 17 | CC038BS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | na | ND | D | BS |
| 12 | CC040BS01 | 4/16/2003 | B | 1032180 | ND | ND | ND | ND | ND | ND | DET | DET | ND | na | D | BS |
| 2 | CC040BS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | na | ND | D | BS |
| 2 | CC080BS01 | 4/10/2003 | B | 113100 | ND | ND | ND | DET | ND | ND | DET | ND | DET | na | D | BS |
| 6 | CC080BS01 | 6/4/2003 | C | 1033197 | na | na | na | na | na | na | na | na | na | ND | D | BS |
| 16 | CC118BS02 | 4/3/2003 | B | 1031851 | ND | DET | ND | DET | ND | na | DET | DET | ND | na | D | BS |
| 17 | CC118BS02 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | ND | na | D | BSD |
| 4 | CC127BS01 | 6/4/2003 | C | 1033197 | na | na | na | na | na | na | na | na | na | ND | D | BSD |
| 23 | CC128BS01 | 4/3/2003 | B | 1031851 | ND | ND | ND | DET | ND | ND | DET | na | ND | na | D | BSD |
| 5 | CC128BS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | ND | na | D | BSD |
| 17 | CC137BS06 | 6/4/2003 | D | 1033197 | ND | ND | ND | DET | ND | na | DET | na | DET | na | D | BSD |
| 3 | CC180BS01 | 4/10/2003 | B | 113100 | ND | ND | ND | DET | ND | ND | DET | na | DET | na | D | BSD |
| 7 | CC180BS01 | 6/4/2003 | C | 1033197 | na | na | na | na | na | na | na | na | na | ND | D | BSD |
| 2 | CC222BS01 | 4/3/2003 | E | 112915 | ND | ND | ND | DET | ND | ND | DET | ND | ND | na | D | BSD |
| 1 | CC222BS01 | 6/4/2003 | F | 114073 | na | na | na | na | na | na | na | na | na | ND | D | BSQ |
| 1 | CC227BS01 | 4/4/2003 | E | 112974 | ND | ND | ND | ND | ND | ND | DET | na | ND | na | D | BSQ |
| 2 | CC227BS01 | 6/4/2003 | F | 114073 | na | na | na | na | na | na | na | na | na | ND | D | BSQ |
| 4 | CC228BS01 | 6/3/2003 | F | 114050 | na | na | na | na | na | na | na | na | na | ND | D | BSQ |
| 3 | CC228BS02 | 4/3/2003 | E | 112915 | ND | ND | ND | DET | ND | ND | DET | na | ND | na | D | BSQ |
| Total BS Area D | | | | | Defects | 2 | 4 | 2 | 18 | 0 | 37 | 18 | 17 | 0 | D | 64 |
| Primary | | | | | Defects | 2 | 3 | 2 | 12 | 0 | 30 | 17 | 15 | 0 | | |
| Dupes | | | | | Defects | 0 | 1 | 0 | 4 | 0 | 4 | 1 | 2 | 0 | | |
| QA Dupes | | | | | Defects | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | | |
| 3 | CC301SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | DET | ND | ND | DET | DET | na | na | D | SS |
| 1 | CC301SS01 | 4/2/2003 | B | 1031851 | na | na | na | DET | na | na | na | na | na | na | D | SS |
| 1 | CC301SS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | ND | D | SS |
| 12 | CC303SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 1 | CC303SS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 2 | CC304SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | ND | ND | ND | DET | DET | na | na | D | SS |
| 3 | CC304SS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 14 | CC306SS01 | 4/2/2003 | B | 1031820 | ND | na | na | na | na | na | DET | na | na | na | D | SS |
| 2 | CC306SS01 | 4/2/2003 | B | 1031851 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 13 | CC306SS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 4 | CC307SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | DET | ND | ND | DET | DET | na | na | D | SS |
| 2 | CC307SS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 6 | CC308SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 11 | CC308SS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 7 | CC309SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |

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Table 4-2
Summary of Laboratory Results: All Samples

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type |
|----------|-----------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|
| 12 | CC009SS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | ND | D | SS |
| 1 | CC010SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 4 | CC010SS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | ND | D | SS |
| 8 | CC013SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 5 | CC013SS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | ND | D | SS |
| 17 | CC014SS01 | 4/3/2003 | B | 1031851 | ND | DET | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 3 | CC014SS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | na | ND | D | SS |
| 11 | CC015SS01 | 4/2/2003 | B | 1031820 | na | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 4 | CC015SS01 | 4/2/2003 | B | 1031851 | ND | na | na | na | na | na | na | na | na | na | D | SS |
| 10 | CC015SS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | ND | D | SS |
| 5 | CC017SS01 | 4/3/2003 | B | 1031851 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 10 | CC017SS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 13 | CC018SS01 | 4/3/2003 | B | 1031851 | ND | DET | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 14 | CC018SS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 15 | CC019SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 9 | CC019SS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 19 | CC020SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 15 | CC020SS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 22 | CC021SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | ND | ND | ND | DET | na | na | na | D | SS |
| 14 | CC021SS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 19 | CC022SS01 | 4/3/2003 | B | 1031851 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 1 | CC022SS01 | 6/4/2003 | C | 1033197 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 21 | CC023SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | ND | ND | ND | DET | na | na | na | D | SS |
| 8 | CC023SS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 20 | CC025SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 16 | CC025SS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 18 | CC026SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | ND | ND | ND | DET | na | na | na | D | SS |
| 4 | CC026SS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 7 | CC029SS01 | 4/3/2003 | B | 1031851 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 13 | CC029SS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 8 | CC030SS01 | 4/3/2003 | B | 1031851 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 7 | CC030SS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 9 | CC031SS01 | 4/3/2003 | B | 1031851 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 16 | CC031SS01 | 5/27/2003 | C | 1033073 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 12 | CC032SS01 | 4/3/2003 | B | 1031851 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 5 | CC032SS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 20 | CC035SS01 | 4/3/2003 | B | 1031851 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 10 | CC035SS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 1 | CC040SS01 | 4/16/2003 | B | 1032180 | ND | DET | ND | DET | ND | ND | DET | na | na | na | D | SS |
| 11 | CC040SS01 | 5/30/2003 | C | 1033105 | na | na | na | na | na | na | na | na | na | na | D | SS |
| 13 | CC103SS01 | 4/2/2003 | B | 1031820 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SSD |

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Table 4-2
Summary of Laboratory Results: All Samples

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type |
|----------|----------------------------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|
| 7 | CC103SS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | na | ND | D | SSD |
| 9 | CC107SS01 | 4/2/2003 | B | 1031820 | ND | ND | DET | DET | ND | na | DET | DET | na | na | D | SSD |
| 3 | CC107SS01 | 4/2/2003 | B | 1031851 | na | na | na | na | na | ND | na | na | na | na | D | SSD |
| 8 | CC107SS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | na | ND | D | SSD |
| 18 | CC114SS01 | 4/3/2003 | B | 1031851 | ND | DET | ND | DET | ND | ND | DET | na | na | na | D | SSD |
| 9 | CC114SS01 | 6/3/2003 | C | 1033164 | na | na | na | na | na | na | na | na | na | na | D | SSD |
| 2 | CC203SS01 | 4/2/2003 | E | 112899 | ND | ND | ND | DET | ND | ND | DET | na | na | ND | D | SSD |
| 1 | CC203SS01 | 6/3/2003 | F | 114050 | na | na | na | na | na | na | na | na | na | na | D | SSQ |
| 1 | CC207SS01 | 4/2/2003 | E | 112899 | ND | ND | ND | DET | ND | ND | DET | ND | na | na | D | SSQ |
| 2 | CC207SS01 | 6/3/2003 | F | 114050 | na | na | na | na | na | na | na | na | na | na | D | SSQ |
| 1 | CC214SS01 | 4/3/2003 | E | 112915 | ND | ND | ND | DET | ND | ND | DET | na | na | na | D | SSQ |
| 3 | CC214SS01 | 6/3/2003 | F | 114050 | na | na | na | na | na | na | na | na | na | na | D | SSQ |
| | Total SS Area D | | | Defects | 0 | 4 | 0 | 29 | 0 | 0 | 32 | 5 | 0 | 0 | D | 62 |
| | Primary | | | Defects | 0 | 3 | 0 | 23 | 0 | 0 | 26 | 4 | 0 | 0 | | |
| | Dupes | | | Defects | 0 | 1 | 0 | 3 | 0 | 0 | 3 | 1 | 0 | 0 | | |
| | QA Dupes | | | Defects | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | | |
| | | | | | | | | | | | | | | | | |
| 1 | CC001WS01 | 5/29/2003 | A | 1033071 | ND | ND | ND | ND | ND | ND | DET | na | DET | ND | D | WS |
| 2 | CC012WS01 | 5/30/2003 | A | 1033105 | ND | ND | ND | DET | ND | ND | DET | na | DET | ND | D | WS |
| 3 | CC024WS01 | 5/29/2003 | A | 1033071 | DET | DET | ND | DET | ND | ND | DET | DET | DET | ND | D | WS |
| 1 | CC037WS01 | 6/3/2003 | A | 1033166 | DET | DET | ND | ND | ND | ND | DET | DET | DET | ND | D | WS |
| 4 | CC038WS01 | 5/29/2003 | A | 1033071 | ND | DET | ND | ND | ND | ND | DET | na | DET | ND | D | WS |
| 1 | CC039WS01 | 5/30/2003 | A | 1033105 | DET | DET | ND | DET | ND | ND | DET | na | DET | ND | D | WS |
| 3 | CCM23WS01 | 6/3/2003 | A | 1033166 | ND | ND | ND | ND | ND | ND | DET | na | DET | ND | D | WS |
| 2 | CC137WS01 | 6/3/2003 | A | 1033166 | DET | DET | ND | ND | ND | ND | DET | na | DET | ND | D | WS |
| 5 | CC237WS01 | 6/3/2003 | A | 114050 | DET | DET | DET | DET | ND | ND | DET | ND | DET | ND | D | WSD |
| | Total WS Area D | | | Defects | 5 | 6 | 2 | 4 | 0 | 0 | 9 | 2 | 9 | 0 | D | 8 |
| | Primary | | | Defects | 3 | 4 | 1 | 3 | 0 | 0 | 7 | 2 | 7 | 0 | | |
| | Dupes | | | Defects | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | | |
| | QA Dupes | | | Defects | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | | |
| | | | | | | | | | | | | | | | | |
| | Total Soil Samples Area D | | | Defects | 2 | 8 | 2 | 47 | 0 | 0 | 69 | 23 | 17 | 0 | D | 126 |
| | Primary | | | Defects | 2 | 6 | 2 | 35 | 0 | 0 | 56 | 21 | 15 | 0 | | |
| | Dupes | | | Defects | 0 | 2 | 0 | 7 | 0 | 0 | 7 | 2 | 2 | 0 | | |
| | QA Dupes | | | Defects | 0 | 0 | 0 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | | |
| | Total Water Samples Area D | | | Defects | 5 | 6 | 2 | 4 | 0 | 0 | 9 | 2 | 9 | 0 | D | 8 |
| | Primary | | | Defects | 3 | 4 | 1 | 3 | 0 | 0 | 7 | 2 | 7 | 0 | | |
| | Dupes | | | Defects | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | | |
| | QA Dupes | | | Defects | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | | |
| | Total All Samples Area D | | | Defects | 7 | 14 | 4 | 51 | 0 | 0 | 78 | 25 | 26 | 0 | D | 134 |
| | Primary | | | Defects | 5 | 10 | 3 | 38 | 0 | 0 | 63 | 23 | 22 | 0 | | |

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Table 4-2
Summary of Laboratory Results: All Samples

| Lab seq. | Sample ID | Date Collected | COC List | Laboratory Batch ID | TPH-G 8015/8020B | TPH-D & O 8015B | SVOC 8270 | Pesticides 8081A | PCBs 8082 | Herbicides 8151 | RCRA 8 Metals 6020 & 7471 | Dioxin 8290 | VOC 8260B | Malathion 8141 | Area D or Area 41 | Matrix Type | |
|----------|------------------------------------|----------------|----------|---------------------|------------------|-----------------|-----------|------------------|-----------|-----------------|---------------------------|-------------|-----------|----------------|-------------------|-------------|--|
| | Dupes | | | Detects | 1 | 3 | 0 | 7 | 0 | 0 | 8 | 2 | 3 | 0 | | | |
| | QA Dupes | | | Detects | 1 | 1 | 1 | 6 | 0 | 0 | 7 | 0 | 1 | 0 | | | |
| | Total BS Areas 41 and D | | | | | | | | | | | | | | | | |
| | Primary | | | Detects | 2 | 6 | 2 | 25 | 0 | 0 | 45 | 20 | 22 | 0 | 41&D | 77 | |
| | Dupes | | | Detects | 2 | 5 | 2 | 17 | 0 | 0 | 36 | 18 | 19 | 0 | | | |
| | QA Dupes | | | Detects | 0 | 1 | 0 | 5 | 0 | 0 | 5 | 2 | 2 | 0 | | | |
| | QA Dupes | | | Detects | 0 | 0 | 0 | 3 | 0 | 0 | 4 | 0 | 1 | 0 | | | |
| | Total SS Areas 41 and D | | | | | | | | | | | | | | | | |
| | Primary | | | Detects | 1 | 10 | 3 | 44 | 0 | 0 | 48 | 9 | 0 | 0 | 41&D | 83 | |
| | Dupes | | | Detects | 0 | 8 | 2 | 35 | 0 | 0 | 39 | 8 | 0 | 0 | | | |
| | QA Dupes | | | Detects | 0 | 1 | 0 | 4 | 0 | 0 | 4 | 1 | 0 | 0 | | | |
| | QA Dupes | | | Detects | 1 | 1 | 1 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | | | |
| | Total Soil Samples Areas 41 and D | | | | | | | | | | | | | | | | |
| | Primary | | | Detects | 3 | 16 | 5 | 69 | 0 | 0 | 93 | 29 | 22 | 0 | 41&D | 160 | |
| | Dupes | | | Detects | 2 | 13 | 4 | 52 | 0 | 0 | 75 | 26 | 19 | 0 | | | |
| | QA Dupes | | | Detects | 0 | 2 | 0 | 9 | 0 | 0 | 9 | 3 | 2 | 0 | | | |
| | QA Dupes | | | Detects | 1 | 1 | 1 | 8 | 0 | 0 | 9 | 0 | 1 | 0 | | | |
| | Total Water Samples Areas 41 and D | | | | | | | | | | | | | | | | |
| | Primary | | | Detects | 7 | 7 | 2 | 4 | 0 | 0 | 13 | 4 | 13 | 0 | 41&D | 12 | |
| | Dupes | | | Detects | 5 | 5 | 1 | 3 | 0 | 0 | 11 | 4 | 11 | 0 | | | |
| | QA Dupes | | | Detects | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | | | |
| | QA Dupes | | | Detects | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | | | |
| | Total All Samples Areas 41 and D | | | | | | | | | | | | | | | | |
| | Primary | | | Detects | 10 | 23 | 7 | 73 | 0 | 0 | 106 | 33 | 35 | 0 | 41&D | 172 | |
| | Dupes | | | Detects | 7 | 18 | 5 | 55 | 0 | 0 | 86 | 30 | 30 | 0 | | | |
| | QA Dupes | | | Detects | 1 | 3 | 0 | 9 | 0 | 0 | 10 | 3 | 3 | 0 | | | |
| | QA Dupes | | | Detects | 2 | 2 | 2 | 9 | 0 | 0 | 10 | 0 | 2 | 0 | | | |

1364

Table 4-3
Summary of TPH Detections: Soil

| Sample ID | Area | Gasoline Range (mg/kg) | Diesel Range (mg/kg) | Residual Range (mg/kg) |
|-----------|---------|---------------------------|-------------------------|---------------------------|
| CC054SS01 | Area 41 | ND | 41.4 | 78.8 |
| CC055SS01 | Area 41 | ND | 51.9 | ND |
| CC056SS01 | Area 41 | ND | 185 | ND |
| CC065BS01 | Area 41 | ND | 69.5 | 24.5 |
| CC065SS01 | Area 41 | na | 420 | 126 |
| CC066BS01 | Area 41 | ND | 50.9 | ND |
| CC066SS01 | Area 41 | ND | 1840 | ND |
| CC256SS01 | Area 41 | 34.5 | 421 | 37.5 |
| CC014SS01 | Area D | ND | ND | 28 |
| CC018BS01 | Area D | ND | 45.7 | 49.3 |
| CC018BS02 | Area D | ND | 25.1 | 33.8 |
| CC018SS01 | Area D | ND | 62.6 | 45.9 |
| CC024BS01 | Area D | ND | ND | 23.8 |
| CC037BS03 | Area D | 121 | ND | ND |
| CC037BS05 | Area D | 5.51 | ND | ND |
| CC040SS01 | Area D | ND | 36.7 | ND |
| CC114SS01 | Area D | ND | ND | 199 |
| CC118BS02 | Area D | ND | ND | 29.7 |

Notes:

mg/kg = milligrams per kilogram

ND = not detected

na = not analyzed

Table 4-4
Summary of VOC Detections: Soil

| Sample ID | CC017BS01 | | CC017BS03 | | CC024BS02 | | CC024BS03 | | CC037BS01 | |
|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Laboratory ID | 1031851006 | 1033164011 | 1031851011 | 1031851011 | 1031972002 | 1033164019 | 1031972003 | 1033164020 | 1032133001 | 1032133001 |
| Analyte | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | ND | ND | 0.061 | ND | ND | ND | ND | ND | ND | ND |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | 0.204 | 0.14 | ND | 0.0565 | 0.0297 | 0.0297 |
| Tetrachloroethene | 0.0644 | 0.0328 | ND | ND | ND | ND | ND | ND | 0.076 | 0.076 |
| Toluene | ND | ND | ND | ND | ND | ND | ND | ND | 0.473 | 0.473 |
| Trichloroethene | 0.0656 | ND | ND | ND | ND | 0.0606 | 0.0491 | 0.0448 | ND | ND |
| Notes: | | | | | | | | | | |
| mg/kg = milligrams per kil | | | | | | | | | | |
| ND = not detected | | | | | | | | | | |
| na = not analyzed | | | | | | | | | | |

1367

Table 4-4
Summary of VOC Detections: Soil

| Sample ID | CC037BS03 | CC037BS04 | CC037BS05 | CC037BS06 | CC080BS01 | CC137BS06 | CC180BS01 |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Laboratory ID | 1033197013 | 1033197014 | 1033197015 | 1033197016 | 11310001 | 1033197017 | 11310001 |
| Analyte | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | ND | ND |
| 2-Chlorotoluene | 0.528 | ND | ND | ND | ND | ND | ND |
| 4-Chlorotoluene | 1.93 | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | ND | ND | ND | ND | ND | ND | ND |
| cis-1,2-Dichloroethene | ND | 0.0504 | 0.128 | ND | ND | ND | ND |
| Tetrachloroethene | 2 | ND | 0.0925 | 0.345 | ND | 0.228 | ND |
| Toluene | 245 | 0.16 | 3.02 | 0.0854 | 0.0129 | 0.0582 | 0.00501 |
| Trichloroethene | ND | 0.047 | 0.165 | 0.0513 | ND | 0.0344 | ND |
| Notes: | | | | | | | |
| mg/kg = milligrams per kil | | | | | | | |
| ND = not detected | | | | | | | |
| na = not analyzed | | | | | | | |

1368

Table 4-5
Summary of SVOC Detections: Soil

| Analyte | CC065SS01 | CC066SS01 | CC256SS01 | CC006BS01 | CC037BS03 |
|-------------------------------|--------------------|--------------------|--------------------|-------------------|-------------------|
| | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area D (mg/kg) | Area D (mg/kg) |
| 2-Methylnaphthalene | ND | 0.779 | 0.174 | ND | ND |
| 2-Methylphenol (o-Cresol) | ND | ND | ND | ND | 0.974 |
| 3&4-Methylphenol (p&m-Cresol) | ND | ND | ND | ND | 1.19 |
| Benzo(a)Anthracene | 0.406 | ND | ND | ND | ND |
| Benzo[a]pyrene | 0.64 | ND | ND | ND | ND |
| Benzo[b]Fluoranthene | 2.08 | ND | ND | ND | ND |
| Benzo[g,h,i]perylene | 0.516 | ND | ND | ND | ND |
| bis(2-Ethylhexyl)phthalate | ND | ND | ND | 0.281 | ND |
| Chrysene | 0.848 | ND | ND | ND | ND |
| Fluoranthene | 0.965 | ND | ND | ND | ND |
| Indeno[1,2,3-c,d] pyrene | 0.502 | ND | ND | ND | ND |
| Phenanthrene | 0.509 | ND | 0.172 | ND | ND |
| Pyrene | 1.28 | ND | ND | ND | ND |

Notes:

mg/kg = milligrams per kilogram

ND = not detected

na = not analyzed

1369

Table 4-6
Summary of Pesticide Detections: Soil

| Sample ID | CC051SS01 | CC054BS01 | CC054SS01 | CC055SS01 | CC056SS01 | CC057SS01 | CC059SS01 | CC060BS01 | CC060SS01 |
|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Laboratory ID | 1033224003 | 11310005 | 11310004 | 1033224004 | 1033197012 | 1033224001 | 1033197011 | 1031902011 | 1031902010 |
| Analyte | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) |
| 4,4'-DDD | 0.352 | ND | 5.57 | 0.29 | 0.0289 | 0.00553 | ND | ND | 3.51 |
| 4,4'-DDE | ND | ND | 2.65 | ND | ND | ND | ND | ND | ND |
| 4,4'-DDT | 0.328 | 0.00801 | 20.4 | ND | 0.12 | 0.00286 | 2.9 | 0.621 | 9.16 |
| Aldrin | ND | ND | 0.0154 | ND | ND | ND | ND | ND | ND |
| alpha-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| beta-BHC | ND | ND | 0.00479 | ND | ND | ND | ND | ND | ND |
| delta-BHC | ND | ND | 0.000572 | ND | ND | ND | ND | ND | ND |
| Dieldrin | ND | ND | 0.501 | ND | ND | ND | ND | ND | ND |
| Endosulfan I | ND | ND | 0.0844 | ND | ND | ND | ND | ND | ND |
| Endosulfan II | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan sulfate | ND | ND | 0.146 | ND | ND | ND | ND | ND | ND |
| Endrin | ND | ND | 0.0369 | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin ketone | ND | ND | 0.121 | ND | ND | ND | ND | ND | ND |
| gamma-BHC (Lindane) | ND | ND | 0.0023 | ND | ND | ND | ND | ND | ND |
| gamma-Chlordane | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

mg/kg = milligrams per kilogram

ND = not detected

na = not analyzed

1370

Table 4-6
Summary of Pesticide Detections: Soil

| Sample ID | CC061BS01 | CC061SS01 | CC062SS01 | CC065BS01 | CC065SS01 | CC066BS01 | CC066SS01 | CC067SS01 | CC157SS01 |
|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Laboratory ID | 1031902005 | 1031902004 | 1031902007 | 1031902009 | 1031902008 | 1032224002 | 1032224001 | 1033224005 | 1033224002 |
| Analyte | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) | Area 41 (mg/kg) |
| 4,4'-DDD | ND | ND | 21.7 | 0.00402 | 21.6 | 0.00286 | 0.633 | ND | 0.00779 |
| 4,4'-DDE | 0.0122 | 0.015 | ND | 0.00754 | ND | ND | ND | ND | 0.00277 |
| 4,4'-DDT | 0.0122 | 0.014 | 43 | 0.0356 | 218 | 0.0111 | 1.35 | 0.0112 | 0.0136 |
| Aldrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| alpha-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| beta-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| delta-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dieldrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan I | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan II | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan sulfate | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin ketone | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| gamma-BHC (Lindane) | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| gamma-Chlordane | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

mg/kg = milligrams l

ND = not detected

na = not analyzed

1371

Table 4-6
Summary of Pesticide Detections: Soil

| Sample ID Laboratory ID | CC161BS01 | CC256SS01 | CC259SS01 | CC261BS01 | CC001BS01 | CC001SS01 | | CC003SS01 | CC006SS01 |
|----------------------------|-----------------------|---------------------|---------------------|---------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
| | 1031902006 Area 41 | 11298301 Area 41 | 11298302 Area 41 | 11297402 Area 41 | 11310001 Area D | 1031820003 Area D | 1031851001 Area D | 1031820012 Area D | 1031820014 Area D |
| Analyte | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| 4,4'-DDD | ND | 0.265 | 0.3 | 0.0133 | 0.00358 | ND | ND | ND | ND |
| 4,4'-DDE | 0.00773 | 0.096 | 0.219 | 0.0187 | 0.00207 | 0.00295 | 0.00347 | ND | ND |
| 4,4'-DDT | 0.00685 | 0.718 | 3.54 | ND | 0.00546 | 0.0155 | 0.0221 | 1.4 | 0.827 |
| Aldrin | ND | 0.000729 | ND | ND | ND | ND | ND | ND | ND |
| alpha-BHC | ND | 0.000804 | ND | ND | ND | ND | ND | ND | ND |
| beta-BHC | ND | 0.00372 | 0.00318 | ND | ND | ND | ND | ND | ND |
| delta-BHC | ND | ND | 0.000856 | ND | ND | ND | ND | ND | ND |
| Dieldrin | ND | 0.016 | 0.0228 | ND | ND | ND | ND | ND | ND |
| Endosulfan I | ND | 0.00578 | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan II | ND | 0.00152 | 0.00207 | ND | ND | ND | ND | ND | ND |
| Endosulfan sulfate | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | ND | 0.00288 | ND | ND | ND | ND | ND | ND | ND |
| Endrin ketone | ND | ND | 0.00293 | ND | ND | ND | ND | ND | ND |
| gamma-BHC (Lindane) | ND | 0.000895 | 0.0039 | 0.000939 | 0.000744 | ND | ND | ND | ND |
| gamma-Chlordane | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | ND | 0.00348 | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | ND | 0.0105 | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | ND | 0.00663 | ND | ND | ND | ND | ND | ND | ND |

Notes:
mg/kg = milligrams per kilogram
ND = not detected
na = not analyzed

1372

Table 4-6
Summary of Pesticide Detections: Soil

| Sample ID | CC007SS01 | CC008SS01 | CC009SS01 | CC010BS01 | CC010SS01 | CC013SS01 | CC014SS01 | CC015SS01 | CC017BS02 |
|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Laboratory ID | 1031820004 | 1031820006 | 1031820007 | 1031820005 | 1031820001 | 1031820008 | 1031851017 | 1031820011 | 1031851010 |
| Analyte | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) |
| 4,4'-DDD | ND | ND | ND | 0.258 | ND | ND | ND | ND | ND |
| 4,4'-DDE | 0.00401 | ND | ND | ND | ND | ND | ND | ND | ND |
| 4,4'-DDT | 0.019 | 0.0166 | 0.0206 | 0.502 | 0.0116 | 0.0268 | 0.0465 | 0.193 | 0.0144 |
| Aldrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| alpha-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| beta-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| delta-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dieldrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan I | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan II | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan sulfate | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin ketone | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| gamma-BHC (Lindane) | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| gamma-Chlordane | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:
mg/kg = milligrams per kilogram
ND = not detected
na = not analyzed

1373

Table 4-6
Summary of Pesticide Detections: Soil

| Sample ID Laboratory ID | CC017SS01 | CC018BS01 | CC018BS02 | CC018SS01 | CC019SS01 | CC020SS01 | CC022SS01 | CC024BS01 | CC025SS01 |
|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | 1031851C05 | 1031851014 | 1031851015 | 1031851013 | 1031820015 | 1031820019 | 1031851019 | 1031972001 | 1031820020 |
| Analyte | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) |
| 4,4'-DDD | ND | ND | ND | ND | ND | ND | ND | 0.00338 | ND |
| 4,4'-DDE | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4,4'-DDT | 0.163 | 0.778 | 0.00324 | 0.0404 | 0.0301 | 0.0392 | 0.00761 | ND | 0.0539 |
| Aldrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| alpha-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| beta-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| delta-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dieldrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan I | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan II | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan sulfate | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin ketone | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| gamma-BHC (Lindane) | ND | ND | 0.00206 | ND | ND | ND | ND | ND | ND |
| gamma-Chlordane | ND | ND | ND | ND | ND | ND | ND | 0.00333 | ND |
| Heptachlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:
mg/kg = milligrams I
ND = not detected
na = not analyzed

1374

Table 4-6
Summary of Pesticide Detections: Soil

| Sample ID | CC028BS01 | CC028BS02 | CC029SS01 | CC030SS01 | CC031SS01 | CC032SS01 | CC035SS01 | CC037BS01 | CC037BS03 |
|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Laboratory ID | 1031851C22 | 1031851024 | 1031851007 | 1031851008 | 1031851009 | 1031851012 | 1031851020 | 1032133001 | 1033197013 |
| Analyte | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) |
| 4,4'-DDD | ND | 0.0108 | ND | ND | ND | ND | 0.028 | 0.0248 | 0.516 |
| 4,4'-DDE | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4,4'-DDT | 0.445 | 0.00411 | 0.159 | 14.5 | 5.52 | 0.145 | 0.122 | 0.0289 | 0.0557 |
| Aldrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| alpha-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| beta-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| delta-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dieldrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan I | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan II | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan sulfate | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin ketone | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| gamma-BHC (Lindane) | ND | 0.00896 | ND | ND | ND | ND | 0.0391 | ND | ND |
| gamma-Chlordane | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:
mg/kg = milligrams l
ND = not detected
na = not analyzed

1375

Table 4-6
Summary of Pesticide Detections: Soil

| Sample ID | CC037BS04 | CC038BS01 | CC040SS01 | CC080BS01 | CC103SS01 | CC107SS01 | CC114SS01 | CC118BS02 | CC128BS01 |
|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Laboratory ID | 1033197C14 | 1032164001 | 1032180001 | 11310002 | 1031820013 | 1031820009 | 1031851018 | 1031851016 | 1031851023 |
| Analyte | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) |
| 4,4'-DDD | ND | ND | ND | 0.0086 | ND | ND | ND | ND | ND |
| 4,4'-DDE | ND | ND | ND | 0.00681 | ND | ND | ND | ND | ND |
| 4,4'-DDT | 0.0174 | 0.00272 | 29.3 | 0.0349 | 1.4 | 0.0286 | 0.0127 | 0.00465 | 0.773 |
| Aldrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| alpha-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| beta-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| delta-BHC | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dieldrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan I | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan II | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan sulfate | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin ketone | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| gamma-BHC (Lindane) | ND | ND | ND | ND | ND | ND | ND | 0.0024 | ND |
| gamma-Chlordane | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:
mg/kg = milligrams I
ND = not detected
na = not analyzed

1376

Table 4-6
Summary of Pesticide Detections: Soil

| Sample ID Laboratory ID | CC137BS06 | CC180BS01 | CC203SS01 | CC207SS01 | CC214SS01 | CC222BS01 | CC228BS02 |
|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | 1033197017 | 11310003 | 11289902 | 11289901 | 11291501 | 11291502 | 11291503 |
| Analyte | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) | Area D (mg/kg) |
| 4,4'-DDD | ND | 0.00749 | 0.0679 | ND | ND | ND | 0.0129 |
| 4,4'-DDE | ND | 0.00459 | 0.0482 | 0.00357 | ND | ND | 0.00129 |
| 4,4'-DDT | 0.00806 | 0.0228 | 1.25 | 0.0205 | 0.00401 | ND | 0.00698 |
| Aldrin | ND | ND | ND | ND | ND | ND | 0.000882 |
| alpha-BHC | ND | ND | 0.000687 | ND | ND | 0.00165 | ND |
| beta-BHC | ND | ND | 0.00252 | ND | ND | 0.00159 | ND |
| delta-BHC | ND | ND | 0.00193 | ND | ND | ND | ND |
| Dieldrin | ND | ND | 0.00511 | ND | ND | ND | ND |
| Endosulfan I | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan II | ND | ND | 0.00146 | ND | ND | ND | ND |
| Endosulfan sulfate | ND | ND | ND | ND | ND | ND | ND |
| Endrin | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | ND | ND | ND | ND | ND | ND | ND |
| Endrin ketone | ND | ND | ND | ND | ND | ND | ND |
| gamma-BHC (Lindane) | ND | 0.000681 | 0.0359 | ND | ND | 0.00322 | 0.00562 |
| gamma-Chlordane | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | ND | ND | ND | ND | ND | ND | ND |

Notes:

mg/kg = milligrams per kilogram

ND = not detected

na = not analyzed

1377

Table 4-7
Summary of Metals Detections: Soil

| Sample ID | Area | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (mg/kg) | Lead (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Mercury (mg/kg) |
|-----------|---------|-----------------|----------------|-----------------|------------------|--------------|------------------|----------------|-----------------|
| CC051SS01 | Area 41 | 8.24 | 79.4 | ND | 21.7 | 31.7 | ND | ND | ND |
| CC052SS01 | Area 41 | ND | 54.3 | ND | 5.19 | 8.67 | ND | ND | ND |
| CC054BS01 | Area 41 | 1.04 | 72.8 | ND | 5.53 | 6.31 | ND | 0.014 | ND |
| CC054SS01 | Area 41 | 2.86 | 83.7 | 0.586 | 11.7 | 23.9 | 0.388 | 0.056 | 0.0105 |
| CC055SS01 | Area 41 | 2.46 | 80.7 | ND | 10.2 | 13.8 | ND | ND | ND |
| CC056SS01 | Area 41 | 2.34 | 91.7 | ND | 13.3 | 8.52 | ND | ND | ND |
| CC057SS01 | Area 41 | ND | 61.3 | ND | 5.41 | 8.87 | ND | ND | ND |
| CC059SS01 | Area 41 | 2.77 | 81.2 | ND | 8.05 | 11 | ND | ND | ND |
| CC060BS01 | Area 41 | ND | 235 | ND | 66.7 | 6.85 | ND | ND | ND |
| CC060SS01 | Area 41 | 1.43 | 67.3 | ND | 8.82 | 13.5 | ND | ND | ND |
| CC061BS01 | Area 41 | ND | 37.4 | ND | 2.97 | 5.55 | ND | ND | ND |
| CC061SS01 | Area 41 | ND | 89.4 | ND | 6.99 | 8.97 | ND | ND | ND |
| CC062SS01 | Area 41 | ND | 64.5 | ND | 4.64 | 6.56 | ND | ND | ND |
| CC065BS01 | Area 41 | ND | 61.9 | ND | 4.63 | 8.27 | ND | ND | ND |
| CC065SS01 | Area 41 | 4.28 | 62.8 | ND | 24.5 | 38 | ND | ND | ND |
| CC066BS01 | Area 41 | ND | 190 | ND | 79.9 | 3.56 | ND | ND | ND |
| CC066BS02 | Area 41 | ND | 112 | ND | 12.1 | 8.93 | ND | ND | ND |
| CC066SS01 | Area 41 | 2.15 | 69.4 | ND | 6.37 | 13.8 | ND | ND | ND |
| CC067SS01 | Area 41 | 3.38 | 58.6 | ND | 13.1 | 14.8 | ND | ND | ND |
| CC157SS01 | Area 41 | ND | 62.2 | ND | 6.37 | 10.7 | ND | ND | ND |
| CC161BS01 | Area 41 | ND | 40 | ND | 4.21 | 6.93 | ND | ND | ND |
| CC256SS01 | Area 41 | 1.64 | 85.8 | ND | 15.2 | 9.24 | 0.444 | 0.0302 | 0.00617 |
| CC259SS01 | Area 41 | 2.63 | 64.5 | 0.0328 | 5.66 | 12.4 | ND | 0.0317 | 0.00835 |
| CC261BS01 | Area 41 | 0.756 | 38.5 | ND | 2.21 | 5.89 | ND | 0.00866 | 0.0128 |
| CC001BS01 | Area D | 0.916 | 107 | ND | 3.07 | 3.57 | 0.385 | 0.0335 | 0.00954 |
| CC001SS01 | Area D | 12.9 | 134 | 1.08 | 2.52 | 25.2 | ND | 0.183 | ND |
| CC003SS01 | Area D | 4.65 | 90.4 | 0.292 | 3.46 | 13.9 | ND | ND | ND |
| CC004SS01 | Area D | 8.28 | 161 | 1.08 | 1.65 | 20.9 | ND | 0.144 | ND |
| CC006BS01 | Area D | 2.96 | 76.7 | 0.396 | 4.08 | 9.86 | ND | ND | ND |
| CC006BS02 | Area D | 9.46 | 91.1 | 0.386 | 5.15 | 17.1 | ND | ND | ND |
| CC006SS01 | Area D | 6.4 | 102 | 0.673 | 3.34 | 23.7 | ND | ND | ND |
| CC007SS01 | Area D | 9.62 | 101 | 0.875 | 2.27 | 24.5 | ND | 0.133 | ND |
| CC008SS01 | Area D | 5.37 | 111 | 0.5 | 3.47 | 12.6 | ND | ND | ND |
| CC009SS01 | Area D | 5.06 | 108 | 0.418 | 3.96 | 14.5 | ND | ND | ND |
| CC010BS01 | Area D | 9.46 | 76.3 | 0.331 | 5.45 | 24.4 | ND | ND | ND |
| CC010BS02 | Area D | 3.31 | 151 | ND | ND | 23.1 | ND | ND | ND |
| CC010SS01 | Area D | 11.6 | 108 | 0.601 | 2.91 | 20.9 | ND | 0.12 | ND |
| CC013SS01 | Area D | 4.99 | 103 | 0.36 | 3.09 | 14.6 | ND | ND | ND |
| CC014SS01 | Area D | 3.99 | 106 | ND | 4.99 | 16.9 | ND | ND | ND |
| CC015SS01 | Area D | 6.07 | 124 | 0.633 | 3.04 | 16.9 | ND | ND | ND |
| CC017BS01 | Area D | 1.25 | 71 | ND | 5.22 | 11.6 | ND | ND | ND |
| CC017BS02 | Area D | 6.25 | 99.4 | 0.622 | 3.09 | 20.6 | ND | ND | ND |
| CC017BS03 | Area D | 5.72 | 83.5 | ND | 9.48 | 23 | ND | ND | ND |
| CC017SS01 | Area D | 8.21 | 126 | 0.647 | 2.7 | 21.1 | ND | ND | ND |
| CC018BS01 | Area D | 7.41 | 96.7 | 0.454 | 5.72 | 28.2 | ND | ND | ND |
| CC018BS02 | Area D | 5.81 | 80.2 | ND | 5.39 | 10.2 | ND | ND | ND |
| CC018SS01 | Area D | 9.97 | 95.1 | 1.07 | 3.73 | 29.5 | ND | 0.472 | ND |
| CC019SS01 | Area D | 5.36 | 111 | 0.276 | 4.16 | 11.1 | ND | ND | ND |
| CC020SS01 | Area D | 7.5 | 108 | 0.369 | 3.87 | 23.2 | ND | ND | ND |

Table 4-7
Summary of Metals Detections: Soil

| Sample ID | Area | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (mg/kg) | Lead (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Mercury (mg/kg) |
|-----------|--------|--------------------|-------------------|--------------------|---------------------|-----------------|---------------------|-------------------|--------------------|
| CC021SS01 | Area D | 4.64 | 147 | 0.627 | 2.75 | 9.62 | ND | ND | ND |
| CC022BS01 | Area D | 4.88 | 61 | ND | 5.48 | 20.4 | ND | ND | ND |
| CC022SS01 | Area D | 5.36 | 133 | 0.748 | 3.29 | 15.4 | ND | 0.109 | ND |
| CC023SS01 | Area D | 14.2 | 184 | 2.87 | 1.4 | 28.7 | ND | 0.312 | ND |
| CC024BS01 | Area D | 13.8 | 91.8 | 0.473 | 6.45 | 39 | ND | ND | ND |
| CC024BS02 | Area D | 5.33 | 98.1 | ND | 13.4 | 20.1 | ND | ND | ND |
| CC024BS03 | Area D | ND | 70.1 | ND | 4.89 | 8.62 | ND | ND | ND |
| CC025SS01 | Area D | 6 | 91.7 | 0.297 | 3.77 | 13.1 | ND | ND | ND |
| CC026BS01 | Area D | 4.64 | 112 | 0.627 | 3.74 | 15.2 | ND | ND | ND |
| CC026BS02 | Area D | 11.6 | 78 | 0.569 | 2.82 | 28.6 | ND | ND | ND |
| CC026SS01 | Area D | 20.7 | 114 | 1.54 | 1.91 | 52 | ND | 0.252 | ND |
| CC027BS01 | Area D | 2.3 | 67.4 | ND | 5.72 | 8.71 | ND | ND | ND |
| CC027BS02 | Area D | ND | 58.3 | ND | 5.39 | 12.4 | ND | ND | ND |
| CC028BS01 | Area D | 19.9 | 129 | 0.431 | 5.65 | 15.2 | ND | ND | ND |
| CC028BS02 | Area D | 3.74 | 95.4 | ND | 3.6 | 12.3 | ND | ND | ND |
| CC029SS01 | Area D | 2.5 | 146 | ND | 4.39 | 13.2 | ND | ND | ND |
| CC030SS01 | Area D | 6.44 | 106 | 0.523 | 5.09 | 19.2 | ND | ND | ND |
| CC031SS01 | Area D | 6.69 | 120 | 0.549 | 4.11 | 32.8 | ND | ND | ND |
| CC032SS01 | Area D | 4.09 | 143 | 0.537 | 3.55 | 18.7 | ND | ND | ND |
| CC035SS01 | Area D | 5.32 | 99.7 | 0.388 | 4.24 | 13.5 | ND | ND | ND |
| CC037BS01 | Area D | 2.88 | 75.4 | ND | 4.37 | 9.31 | ND | ND | ND |
| CC037BS02 | Area D | 2.7 | 94.2 | ND | 4.61 | 14.6 | ND | ND | ND |
| CC037BS03 | Area D | ND | 119 | ND | 4.68 | 7.47 | ND | ND | ND |
| CC037BS04 | Area D | 5.06 | 211 | ND | 4.73 | 8.51 | ND | ND | ND |
| CC037BS05 | Area D | 2.09 | 123 | ND | 3.92 | 7.34 | ND | ND | ND |
| CC037BS06 | Area D | 8.7 | 84.9 | 0.556 | 10 | 30.3 | ND | ND | ND |
| CC037BS07 | Area D | 2.84 | 102 | ND | 4.93 | 8.91 | ND | ND | ND |
| CC038BS01 | Area D | 2.91 | 85.2 | ND | 5.45 | 11.6 | ND | ND | ND |
| CC040BS01 | Area D | 6 | 63.5 | ND | 15.6 | 20.8 | ND | ND | ND |
| CC040SS01 | Area D | 4.31 | 82.3 | 0.282 | 4.42 | 14.7 | ND | ND | ND |
| CC080BS01 | Area D | 4.08 | 81.8 | 0.298 | 2.77 | 13.5 | ND | 0.0569 | ND |
| CC103SS01 | Area D | 5.37 | 106 | 0.423 | 4.26 | 21.6 | ND | ND | ND |
| CC107SS01 | Area D | 7.2 | 95.9 | 0.784 | 2.1 | 20 | ND | ND | ND |
| CC114SS01 | Area D | 4.73 | 110 | 0.22 | 5.27 | 18.7 | ND | ND | ND |
| CC118BS02 | Area D | 1.43 | 90.4 | ND | 5.57 | 10.6 | ND | ND | ND |
| CC128BS01 | Area D | 5 | 133 | 0.351 | 6.48 | 16.1 | ND | ND | ND |
| CC137BS06 | Area D | 9.63 | 85.8 | 0.927 | 9.44 | 47.6 | ND | ND | ND |
| CC180BS01 | Area D | 12.1 | 107 | 0.403 | 7.05 | 48.3 | ND | 0.0686 | ND |
| CC203SS01 | Area D | 6.21 | 94.4 | 0.40 | 3.05 | 18.5 | ND | 0.0569 | 0.012 |
| CC207SS01 | Area D | 7.52 | 112 | 0.836 | 2.34 | 20.5 | ND | 0.0959 | ND |
| CC214SS01 | Area D | 4.15 | 108 | 0.347 | 3.13 | 13.2 | ND | 0.0498 | ND |
| CC222BS01 | Area D | 3.91 | 84.6 | 0.188 | 4.35 | 13.6 | ND | 0.0285 | 0.0137 |
| CC227BS01 | Area D | 4.23 | 87.2 | ND | 7.92 | 13 | ND | 0.0463 | 0.00947 |
| CC228BS02 | Area D | 5.42 | 98.4 | 0.318 | 2.79 | 16.1 | ND | 0.0389 | 0.0146 |

Notes:

mg/kg = milligrams per kilogram

ND = not detected

na = not analyzed

Table 4-8
Summary of Dioxin Detections: Soil

| Sample ID Lab ID Location Unit | CC051SS01 1033224003 Area 41 (pg/g) | CC055SS01 1033224004 Area 41 (pg/g) | CC066SS01 1032224002 Area 41 (pg/g) | CC066SS01 1032224001 Area 41 (pg/g) | CC067SS01 1033224005 Area 41 (pg/g) | CC161BS01 1031902006 Area 41 (pg/g) | CC001SS01 103182003 Area D (pg/g) | CC004SS01 103182002 Area D (pg/g) | CC006BS02 103182017 Area D (pg/g) |
|---|--|--|--|--|--|--|--|--|--|
| 2,3,7,8-TCDD | ND | ND | ND | EMPC=0.244 | ND | ND | ND | ND | ND |
| 1,2,3,7,8-PeCDD | EMPC=0.268 | ND | ND | EMPC=0.253 | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8-HxCDD | EMPC=0.559 | ND | ND | EMPC=0.278 | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-HxCDD | 1.74 | ND | ND | 0.594 | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-HxCDD | 1.1 | ND | ND | EMPC=0.467 | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-HpCDD | 54.5 | 1.14 | 0.378 | 11.6 | 0.865 | 0.926 | 0.607 | 0.394 | 0.627 |
| OCDD | 793 | 40 | 4.15 | 111 | 30.2 | 51.7 | 26.1 | 18.7 | 38.5 |
| 2,3,7,8-TCDF | EMPC=0.318 | ND | ND | 0.235 | ND | 0.107 | ND | ND | ND |
| 1,2,3,7,8-PeCDF | 0.493 | ND | ND | 0.131 | EMPC=0.119 | ND | ND | ND | ND |
| 2,3,4,7,8-PeCDF | 0.25 | ND | ND | 0.278 | 0.0956 | ND | ND | ND | ND |
| 1,2,3,4,7,8-HxCDF | 0.766 | ND | ND | 0.393 | EMPC=0.110 | ND | ND | ND | ND |
| 1,2,3,6,7,8-HxCDF | EMPC=0.555 | ND | ND | EMPC=0.341 | 0.119 | ND | ND | 0.0522 | ND |
| 2,3,4,5,6,7-HxCDF | 0.584 | ND | ND | 0.414 | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-HxCDF | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-HpCDF | 10.5 | 0.312 | ND | 4.53 | 0.336 | EMPC=0.118 | EMPC=0.0883 | 0.106 | 0.0988 |
| 1,2,3,4,7,8,9-HpCDF | 0.859 | ND | ND | 0.382 | ND | ND | ND | ND | ND |
| OCDF | 23.1 | 1.08 | ND | 11.3 | EMPC=0.559 | ND | EMPC=0.136 | ND | ND |
| Total TCDDs | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Total PeCDDs | 0.557 | ND | ND | 0.223 | ND | ND | ND | ND | ND |
| Total HxCDDs | 7.62 | ND | ND | 0.594 | ND | ND | ND | ND | ND |
| Total HpCDDs | 97.7 | 2.52 | 0.737 | 21.1 | 2 | 3.01 | 1.44 | 1.14 | 0.627 |
| Total TCDFs | 2.6 | ND | ND | 0.64 | ND | 0.186 | ND | ND | ND |
| Total PeCDFs | 4.55 | ND | ND | 2.4 | 0.0956 | ND | ND | ND | ND |
| Total HxCDFs | 11.8 | ND | ND | 7.14 | 0.224 | ND | ND | 0.0522 | ND |
| Total HpCDFs | 28.2 | 0.312 | ND | 13 | 0.732 | ND | ND | 0.106 | 0.186 |
| ITEF TEQ (ND = 0) | 2.04 | 0.0556 | 0.00793 | 0.596 | 0.102 | 0.0717 | 0.0322 | 0.0289 | 0.0458 |
| ITEF TEQ (ND = 1/2) | 2.34 | 0.584 | 0.436 | 0.825 | 0.492 | 0.362 | 0.331 | 0.293 | 0.323 |

Notes:

pg/g = picograms per gram

ND = not detected

na = not analyzed

1380

Table 4-8
Summary of Dioxin Detections: Soil

| Sample ID Lab ID Location Unit | CC007SS01 103182004 Area D (pg/g) | CC010ES01 103182005 Area D (pg/g) | CC010BS02 103182010 Area D (pg/g) | CC017BS03 1031851011 Area D (pg/g) | CC018BS02 1031851015 Area D (pg/g) | CC022BS01 1031851021 Area D (pg/g) | CC024BS01 1031972001 Area D (pg/g) | CC024BS02 1031972002 Area D (pg/g) | CC024BS03 1031972003 Area D (pg/g) |
|---|--|--|--|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-PeCDD | ND | EMPC=0.0761 | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8-HxCDD | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-HxCDD | EMPC=0.145 | EMPC=0.142 | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-HxCDD | EMPC=0.137 | 0.0921 | ND | ND | ND | EMPC=0.144 | ND | ND | ND |
| 1,2,3,4,6,7,8-HpCDD | 1.54 | 2.45 | 0.199 | EMPC=0.137 | 0.432 | 1.16 | 0.596 | EMPC=0.506 | ND |
| OCDD | 35.5 | 47.4 | 10.8 | 0.69 | 27.8 | 59.9 | 31.3 | 12.3 | 2.26 |
| 2,3,7,8-TCDF | ND | 0.108 | EMPC=0.0728 | EMPC=0.208 | 0.125 | 0.112 | ND | ND | ND |
| 1,2,3,7,8-PeCDF | ND | ND | ND | 0.0903 | 0.089 | 0.0671 | ND | ND | ND |
| 2,3,4,7,8-PeCDF | EMPC=0.0767 | 0.0741 | ND | EMPC=0.109 | EMPC=0.100 | EMPC=0.0919 | ND | ND | ND |
| 1,2,3,4,7,8-HxCDF | 0.0808 | EMPC=0.0721 | ND | 0.0718 | EMPC=0.0801 | ND | ND | ND | ND |
| 1,2,3,6,7,8-HxCDF | EMPC=0.0828 | EMPC=0.0621 | ND | 0.0811 | 0.1 | 0.107 | ND | ND | ND |
| 2,3,4,5,6,7-HxCDF | EMPC=0.0929 | EMPC=0.0721 | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-HxCDF | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-HpCDF | 0.519 | 0.897 | ND | 0.162 | 0.118 | ND | 0.14 | ND | ND |
| 1,2,3,4,7,8,9-HpCDF | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| OCDF | 0.62 | 1.44 | ND | 0.236 | ND | ND | ND | ND | ND |
| Total TCDDs | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Total PeCDDs | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Total HxCDDs | 0.343 | 0.0921 | ND | 0.308 | ND | ND | ND | ND | ND |
| Total HpCDDs | 1.54 | 5.11 | 0.199 | 1.75 | 1.08 | 3.23 | 1.54 | 0.736 | ND |
| Total TCDFs | 0.0747 | 0.108 | ND | 1.66 | 0.125 | 0.112 | ND | 1.49 | ND |
| Total PeCDFs | 0.331 | 0.0741 | ND | 0.366 | 0.089 | 0.0671 | ND | ND | ND |
| Total HxCDFs | 0.685 | 0.451 | ND | 0.153 | 0.1 | 0.107 | ND | ND | ND |
| Total HpCDFs | 0.519 | 2.04 | ND | 0.162 | 0.118 | ND | 0.14 | ND | ND |
| ITEF TEQ (ND = 0) | 0.0648 | 0.139 | 0.0128 | 0.0504 | 0.0602 | 0.127 | 0.0387 | 0.0123 | 0.00226 |
| ITEF TEQ (ND = 1/2) | 0.331 | 0.335 | 0.309 | 0.333 | 0.34 | 0.371 | 0.319 | 0.336 | 0.346 |

Notes:

pg/g = picograms per gra

ND = not detected

na = not analyzed

Table 4-8
Summary of Dioxin Detections: Soil

| Sample ID Lab ID Location Unit | CC026BS02 103182023 Area D (pg/g) | CC027BS02 1031902002 Area D (pg/g) | CC028BS02 1031851024 Area D (pg/g) | CC037BS01 1032133001 Area D (pg/g) | CC037BS02 1032133002 Area D (pg/g) | CC037BS03 1033197013 Area D (pg/g) | CC038BS01 103216401 Area D (pg/g) | CC107SS01 103182009 Area D (pg/g) | CC118BS02 1031851016 Area D (pg/g) |
|---|--|---|---|---|---|---|--|--|---|
| 2,3,7,8-TCDD | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3,7,8-PeCDD | 0.13 | ND | EMPC=0.0997 | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,7,8-HxCDD | 0.174 | ND | EMPC=0.104 | ND | ND | ND | ND | ND | ND |
| 1,2,3,6,7,8-HxCDD | 0.186 | 0.125 | ND | ND | ND | EMPC=0.396 | ND | ND | ND |
| 1,2,3,7,8,9-HxCDD | 0.18 | 0.309 | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-HpCDD | 0.792 | 3.69 | 0.935 | 0.38 | 0.257 | 7.27 | 2.23 | 0.978 | 0.438 |
| OCDD | 39.4 | 82.5 | 32.3 | 15.1 | 6.69 | 110 | 85.9 | 34.3 | 26.3 |
| 2,3,7,8-TCDF | 0.0871 | 0.16 | EMPC=0.121 | 0.0665 | ND | EMPC=0.218 | ND | ND | EMPC=0.0997 |
| 1,2,3,7,8-PeCDF | EMPC=0.178 | EMPC=0.0790 | ND | ND | ND | ND | EMC=0.0540 | ND | ND |
| 2,3,4,7,8-PeCDF | 0.162 | 0.07 | ND | ND | ND | 0.192 | EMPC=0.0620 | EMPC=0.0870 | ND |
| 1,2,3,4,7,8-HxCDF | 0.152 | ND | ND | ND | ND | EMPC=0.242 | ND | ND | ND |
| 1,2,3,6,7,8-HxCDF | 0.154 | ND | ND | ND | ND | 0.175 | EMPC=0.0760 | EMPC=0.141 | EMPC=0.0788 |
| 2,3,4,5,6,7-HxCDF | 0.154 | ND | ND | EMPC=0.0475 | ND | ND | ND | ND | ND |
| 1,2,3,7,8,9-HxCDF | 0.14 | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-HpCDF | EMPC=0.221 | 0.169 | 0.223 | 0.0931 | ND | 1.89 | 0.24 | EMPC=0.298 | 0.123 |
| 1,2,3,4,7,8,9-HpCDF | EMPC=0.134 | ND | ND | ND | ND | ND | ND | ND | ND |
| OCDF | EMPC=0.296 | 0.318 | EMPC=0.469 | 0.173 | ND | 14.1 | 0.646 | EMPC=0.777 | ND |
| Total TCDDs | ND | 0.461 | ND | ND | ND | ND | ND | ND | ND |
| Total PeCDDs | 3.13 | ND | ND | ND | ND | ND | ND | ND | ND |
| Total HxCDDs | 0.541 | 3.08 | ND | ND | ND | 0.308 | 0.082 | ND | ND |
| Total HpCDDs | 0.792 | 9.45 | 2.08 | 0.883 | 0.537 | 13.4 | 6.79 | 2.34 | 1.08 |
| Total TCDFs | 0.227 | 0.912 | ND | 0.0665 | ND | ND | ND | ND | ND |
| Total PeCDFs | 0.162 | 0.151 | 0.106 | 0.0418 | ND | 0.477 | 0.386 | ND | ND |
| Total HxCDFs | 0.6 | 0.149 | 0.384 | 0.0589 | ND | 2.94 | 0.162 | 0.468 | ND |
| Total HpCDFs | ND | 0.395 | 0.223 | 0.0931 | ND | 7.86 | 0.24 | ND | 0.123 |
| ITEF TEQ (ND = 0) | 0.316 | 0.216 | 0.0439 | - | - | 0.329 | 0.111 | 0.0441 | 0.0319 |
| ITEF TEQ (ND = 1/2) | 0.376 | 0.422 | 0.337 | - | - | 0.706 | 0.388 | 0.343 | 0.351 |

Notes:

pg/g = picograms per gram

ND = not detected

na = not analyzed

Table 4-9
Summary of TPH Detections: Groundwater

| Sample ID | Area | Gasoline Range | Diesel Range |
|-----------|---------|----------------|--------------|
| | | (mg/L) | (mg/L) |
| CC054WS01 | Area 41 | 2.39 | 1.8 |
| CC066WS01 | Area 41 | 0.308 | ND |
| CC024WS01 | Area D | 0.559 | 0.309 |
| CC037WS01 | Area D | 1.35 | 0.397 |
| CC038WS01 | Area D | ND | 0.365 |
| CC039WS01 | Area D | 1.63 | 0.666 |
| CC137WS01 | Area D | 1.34 | 0.424 |
| CC237WS01 | Area D | 1.19 | 0.229 |

Notes:

mg/L = milligrams per liter

ND = not detected

na = not analyzed

Table 4-10
Summary of VOC Detections: Groundwater

| Analyte | Sample ID Location Unit | CC053WS01 Area 41 (mg/L) | CC054WS01 Area 41 (mg/L) | CC066WS01 Area 41 (mg/L) | CCM14WS01 Area 41 (mg/L) | CC001WS01 Area D (mg/L) | CC012WS01 Area D (mg/L) | CC024WS01 Area D (mg/L) | CC037WS01 Area D (mg/L) |
|---------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1,1,1,2-Tetrachloroethane | | ND | 0.00468 | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | | ND | 0.00831 | 0.00602 | ND | 0.00138 | ND | ND | ND |
| 1,1,2-Trichloroethane | | ND | 0.00104 | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethane | | ND | ND | ND | ND | ND | 0.0161 | 0.00721 | 0.01 |
| 1,1-Dichloroethene | | ND | ND | ND | ND | ND | 0.00362 | ND | 0.0117 |
| 1,2,4-Trimethylbenzene | | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,3,5-Trimethylbenzene | | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,4-Dichlorobenzene | | ND | ND | ND | ND | ND | ND | 0.00135 | ND |
| 2-Chlorotoluene | | ND | ND | ND | ND | ND | ND | ND | 0.00711 |
| 4-Chlorotoluene | | ND | ND | ND | ND | ND | ND | ND | 0.00177 |
| Acetone | | ND | ND | ND | ND | ND | ND | ND | ND |
| Benzene | | ND | 0.00137 | ND | ND | ND | 0.00162 | 0.00486 | 0.00691 |
| Carbon disulfide | | ND | ND | ND | ND | ND | ND | ND | ND |
| Chlorobenzene | | ND | ND | ND | ND | ND | ND | 0.0121 | 0.00275 |
| Chloroethane | | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloroform | | ND | 0.01 | 0.00166 | ND | ND | ND | 0.00616 | 0.00109 |
| cis-1,2-Dichloroethene | | ND | 0.0305 | ND | 0.00444 | ND | 0.00966 | 0.386 | 1.32 |
| Ethylbenzene | | ND | ND | ND | ND | ND | ND | ND | ND |
| Isopropylbenzene (Cumene) | | ND | ND | ND | ND | ND | ND | ND | ND |
| Methylene chloride | | ND | ND | ND | ND | ND | ND | ND | ND |
| Naphthalene | | ND | ND | ND | ND | ND | ND | ND | ND |
| n-Propylbenzene | | ND | ND | ND | ND | ND | ND | ND | ND |
| o-Xylene | | ND | ND | ND | ND | ND | ND | ND | ND |
| P & M -Xylene | | ND | ND | ND | ND | ND | ND | ND | ND |
| Tetrachloroethene | | 0.192 | 11.1 | 0.504 | 0.0926 | 0.00888 | 0.0044 | 0.423 | 0.35 |
| Toluene | | ND | 0.00692 | 0.00192 | ND | ND | 0.00292 | ND | 0.357 |
| trans-1,2-Dichloroethene | | ND | ND | ND | ND | ND | ND | 0.00106 | ND |
| Trichloroethene | | ND | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene | | 0.0247 | 0.171 | 0.325 | 0.0126 | 0.00283 | ND | 0.361 | 0.949 |
| Vinyl chloride | | ND | ND | ND | ND | ND | 0.00163 | 0.00409 | 0.043 |

Notes:

mg/L = milligrams per liter

ND = not detected

1384

Table 4-10
Summary of VOC Detections: Groundwater

| Sample ID | CC053WS01 | CC054WS01 | CC066WS01 | CCM14WS01 | CC001WS01 | CC012WS01 | CC024WS01 | CC037WS01 |
|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Location | Area 41 | Area 41 | Area 41 | Area 41 | Area D | Area D | Area D | Area D |
| Unit | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
| na = not analyzed | | | | | | | | |

1385

Table 4-10
Summary of VOC Detections: Groundwater

| Analyte | Sample ID Location Unit | CC038WS01 Area D (mg/L) | CC039WS01 Area D (mg/L) | CC137WS01 Area D (mg/L) | CC237WS01 Area D (mg/L) | CCM23WS01 Area D (mg/L) |
|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1,1,1,2-Tetrachloroethane | | ND | ND | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | | ND | ND | ND | ND | ND |
| 1,1,2-Trichloroethane | | ND | ND | ND | ND | ND |
| 1,1-Dichloroethane | | ND | 0.00278 | 0.0108 | 0.0131 | ND |
| 1,1-Dichloroethene | | ND | ND | 0.0116 | 0.0124 | ND |
| 1,2,4-Trimethylbenzene | | ND | 0.0174 | ND | ND | ND |
| 1,3,5-Trimethylbenzene | | ND | 0.00546 | ND | ND | ND |
| 1,4-Dichlorobenzene | | ND | 0.00145 | ND | ND | ND |
| 2-Chlorotoluene | | ND | 0.0028 | 0.00742 | 0.00967 | ND |
| 4-Chlorotoluene | | ND | 0.00191 | 0.00175 | 0.00207 | ND |
| Acetone | | ND | ND | ND | 0.00285 | ND |
| Benzene | | ND | 0.014 | 0.00692 | 0.00693 | ND |
| Carbon disulfide | | ND | ND | ND | 0.000873 | ND |
| Chlorobenzene | | ND | 0.0418 | 0.00269 | 0.00294 | ND |
| Chloroethane | | ND | ND | ND | 0.000571 | ND |
| Chloroform | | ND | 0.0015 | 0.00103 | 0.000898 | ND |
| cis-1,2-Dichloroethene | | ND | 0.122 | 1.21 | 1.67 | 0.0105 |
| Ethylbenzene | | ND | 0.0028 | ND | ND | ND |
| Isopropylbenzene (Cumene) | | ND | 0.00134 | ND | ND | ND |
| Methylene chloride | | ND | ND | ND | 0.00115 | ND |
| Naphthalene | | ND | 0.0169 | ND | ND | ND |
| n-Propylbenzene | | ND | 0.00251 | ND | ND | ND |
| o-Xylene | | ND | 0.0022 | ND | ND | ND |
| P & M -Xylene | | ND | 0.00301 | ND | ND | ND |
| Tetrachloroethene | | 0.0247 | 0.203 | 0.343 | 0.427 | 0.00107 |
| Toluene | | ND | 0.686 | 0.43 | 0.408 | 0.00374 |
| trans-1,2-Dichloroethene | | ND | ND | 0.0398 | 0.0376 | 0.00344 |
| Trichloroethene | | ND | ND | ND | 1.4 | ND |
| Trichloroethene | | 0.00107 | 0.0754 | 0.941 | ND | 0.00186 |
| Vinyl chloride | | ND | 0.0153 | 0.0453 | 0.0379 | ND |

Notes:

mg/L = milligrams per liter

ND = not detected

1386

Table 4-10
Summary of VOC Detections: Groundwater

| Sample ID | CC038WS01 | CC039WS01 | CC137WS01 | CC237WS01 | CCM23WS01 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| Location | Area D | Area D | Area D | Area D | Area D |
| Unit | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
| | | | | | |

na = not analyzed

1387

Table 4-13
Summary of Metals Detections: Groundwater

| Sample ID | Area | Arsenic (mg/L) | Barium (mg/L) | Chromium (mg/L) | Lead (mg/L) | Selenium (mg/L) | Silver (mg/L) | Mercury (mg/L) |
|-----------|---------|-------------------|------------------|--------------------|----------------|--------------------|------------------|-------------------|
| CC053WS01 | Area 41 | ND | 16.7 | ND | ND | ND | ND | ND |
| CC054WS01 | Area 41 | ND | 204 | 10.5 | ND | ND | ND | ND |
| CC066WS01 | Area 41 | ND | 124 | 80.6 | ND | ND | ND | ND |
| CCM14WS01 | Area 41 | ND | 94.5 | 9.58 | ND | ND | ND | ND |
| CC001WS01 | Area D | ND | 106 | ND | ND | ND | ND | ND |
| CC012WS01 | Area D | ND | 90.2 | 7.32 | ND | ND | ND | 0.808 |
| CC024WS01 | Area D | ND | 153 | 7.3 | ND | ND | ND | ND |
| CC037WS01 | Area D | ND | 100 | 11.6 | ND | ND | ND | ND |
| CC038WS01 | Area D | ND | 12.3 | ND | ND | ND | ND | ND |
| CC039WS01 | Area D | 24.2 | 126 | ND | ND | ND | ND | ND |
| CC137WS01 | Area D | ND | 100 | 11.2 | ND | ND | ND | ND |
| CC237WS01 | Area D | 0.000379 | 0.101 | 0.00434 | 0.000176 | 0.00224 | 0.000356 | 0.000243 |
| CCM23WS01 | Area D | ND | 161 | ND | ND | ND | ND | 0.536 |

Notes:

mg/L = milligrams per liter

ND = not detected

na = not analyzed

Table 4-14
Summary of Dioxin Detections: Groundwater

| Sample ID Lab ID Location Unit | CC053WS01 1033211001 Area 41 (ng/L) | CC066WS01 1033211003 Area 41 (ng/L) | CC024WS01 1033071003 Area D (ng/L) | CC037WS01 1033166001 Area D (ng/L) |
|---|--|--|---|---|
| 2,3,7,8-TCDD | ND | ND | ND | ND |
| 1,2,3,7,8-PeCDD | EMPC=0.00212 | 0.00276 | 0.00181 | ND |
| 1,2,3,4,7,8-HxCDD | ND | EMPC=0.00235 | ND | ND |
| 1,2,3,6,7,8-HxCDD | ND | 0.00259 | ND | ND |
| 1,2,3,7,8,9-HxCDD | ND | EMPC=0.00298 | ND | ND |
| 1,2,3,4,6,7,8-HpCDD | ND | ND | ND | ND |
| OCDD | ND | ND | EMPC=0.00715 | 0.0119 |
| 2,3,7,8-TCDF | ND | ND | ND | ND |
| 1,2,3,7,8-PeCDF | 0.00349 | 0.00333 | EMPC=0.00124 | ND |
| 2,3,4,7,8-PeCDF | ND | 0.00306 | ND | ND |
| 1,2,3,4,7,8-HxCDF | ND | ND | 0.00065 | EMPC=0.00354 |
| 1,2,3,6,7,8-HxCDF | EMPC=0.00226 | EMPC=0.00253 | EMPC=0.000827 | ND |
| 2,3,4,5,6,7,8-HxCDF | ND | ND | ND | ND |
| 1,2,3,7,8,9-HxCDF | ND | EMPC=0.00324 | ND | ND |
| 1,2,3,4,6,7,8-HpCDF | EMPC=0.00228 | 0.00282 | ND | ND |
| 1,2,3,4,7,8,9-HpCDF | ND | ND | ND | ND |
| OCDF | ND | ND | ND | ND |
| Total TCDDs | ND | ND | ND | ND |
| Total PeCDDs | ND | 0.00276 | 0.00181 | ND |
| Total HxCDDs | ND | 0.00259 | ND | ND |
| Total HpCDDs | ND | ND | ND | ND |
| Total TCDFs | ND | ND | ND | ND |
| Total PeCDFs | 0.011 | 0.00639 | ND | ND |
| Total HxCDFs | ND | ND | 0.00065 | ND |
| Total HpCDFs | ND | 0.00282 | ND | ND |
| ITEF TEQ (ND = 0) | 0.000174 | 0.00336 | 0.00097 | 0.0000119 |
| ITEF TEQ (ND = 1/2) | 0.00648 | 0.00742 | 0.0039 | 0.00538 |

Notes:

ng/L = nanograms per liter

ND = not detected

na = not analyzed

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DEPARTMENT OF THE ARMY
 FAR EAST DISTRICT, CORPS OF ENGINEERS
 UNIT #15546
 APO AP 96205-5546

CEPOF-ED-GE

FEB 11 2008

MEMORANDUM FOR Environmental Division, DPW, Camp Carroll, USA Garrison Daegu
 IMKO-ADP-PWE (Mr. [REDACTED] UNIT #15748, APO AP 96260-5748

b6

SUBJECT: Environmental Site Assessment in Support of Land Farm Construction, Camp
 Carroll, Korea (G&E 07-053E/E08-11).

1. Enclosed is the report for the subject project. The Geotechnical and Environmental
 Engineering Branch of the U.S Army Corps of Engineers, Far East District (FED) conducted the
 Environmental Site Assessment (ESA) at the subject site during 8 ~ 12 October 2007. The
 project tasks included soil borings, soil sampling for laboratory analyses, and volume estimation
 of the contaminated soil that exceeds the Environmental Protection Agency (EPA) Preliminary
 Remedial Goals (PRG) Region IX criteria for residential area.

2. This ESA collected soil samples and analyzed for metals, volatile organic compounds
 (VOCs), and organochlorinated (OC) pesticides. Chemicals that exceed the EPA PRG criteria
 mostly appear at the northern half of the land farm bed #1 and the monitoring well M07-221.
 Following chemicals are exceeding the EPA PRG Region IX criteria for residential area:
 chromium, arsenic, trichloroethylene (TCE), 1,2,4- Trichlorobenzene and tetrachloroethylene
 (PCE), DDD, DDT, DDE, Endrin and gamma-chlorodane.

3. Applying the EPA PRG Region IX criteria for residential to the project site, the total volume
 of soil that appears above the EPA PRG criteria was estimated as 2820 cubic meters. Technical
 questions regarding this ESA may be addressed to Dr. [REDACTED] or Mr. [REDACTED]

[REDACTED] at [REDACTED]

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[REDACTED]

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Encls

Chief, Engineering Division

CF:
 Environmental Office, DPW-Daegu, IMKOM-KOREA, Unit #15746,
 APO AP 96218-5746 (Attn: Mr. [REDACTED])

b6

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DEPARTMENT OF THE ARMY
FAR EAST DISTRICT, CORPS OF ENGINEERS
UNIT #15546
APO AP 96205-5546

CEPOF-ED-GE

FEB 11 2008

MEMORANDUM FOR Environmental Division, DPW, Camp Carroll, USA Garrison Daegu
IMKO-ADP-PWE (Mr. [REDACTED] UNIT #15748, APO AP 96260-5748

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[REDACTED] b6 [REDACTED] b6 [REDACTED] b6 [REDACTED] b6

Encls

[REDACTED] b6
Chief, Engineering Division

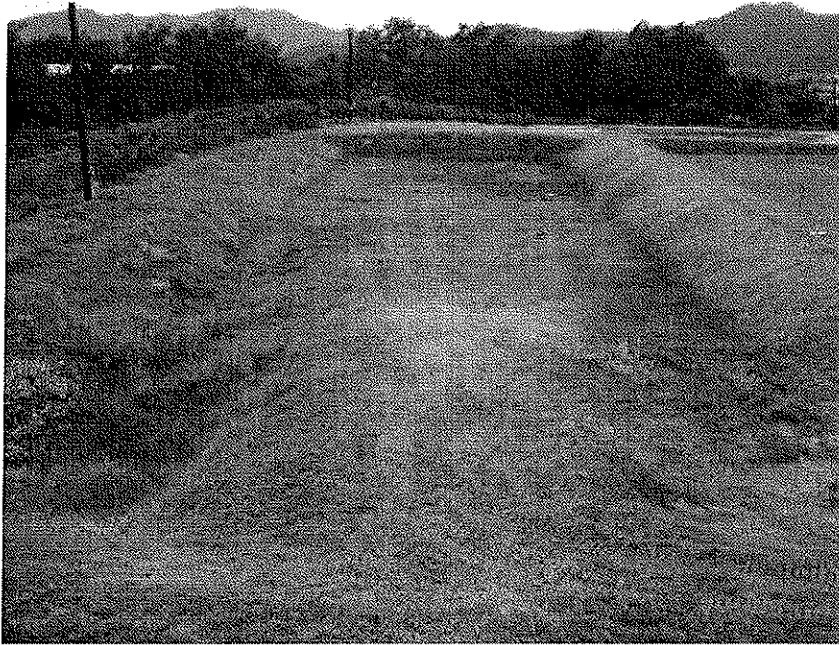
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Dr. [REDACTED] b6
CEPOF-ED-GE 1/20/08
Mr. [REDACTED] b6 1/10
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Mr. [REDACTED] b6 1/31/08
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FILE: Ms. [REDACTED] b6
CEPOF-ED-GE



**US Army Corps of Engineers
Far East District®**

**Draft Report
For
Environmental Site Assessment In Support of Land Farm Construction
Camp Carroll, Korea (G&E 07-053E/E08-11)**



January 2008

**Environmental Section
Geotechnical & Environmental Engineering Branch
Engineering Division, FED**

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Table 4-11
Summary of SVOC Detections: Groundwater

| Analyte | Sample ID | CC039WS01 | CC237WS01a | CC237WS01b |
|-------------------------------|------------------|------------------|------------------|------------------|
| | Location Unit | Area D (mg/L) | Area D (mg/L) | Area D (mg/L) |
| 1,4-Dichlorobenzene | | ND | 0.118 | ND |
| 2-Methylnaphthalene | | 0.02 | 0.222 | 0.204 |
| 2-Methylphenol (o-Cresol) | | ND | 0.85 | 1.53 |
| 3&4-Methylphenol (p&m-Cresol) | | ND | ND | 0.251 |
| Acenaphthene | | ND | 0.0631 | ND |
| Benzyl alcohol | | ND | 0.166 | 0.43 |
| Butylbenzylphthalate | | ND | 0.21 | ND |
| Diethylphthalate | | ND | 1.59 | 1.7 |
| Fluoranthene | | ND | 0.539 | 0.163 |
| Napthalene | | ND | 0.526 | 0.525 |
| Phenol | | ND | 0.291 | ND |

Notes:

mg/L = milligrams per liter

ND = not detected

na = not analyzed

Table 4-12
Summary of Pesticide Detections: Groundwater

| Analyte | Sample ID Location Unit | CC012WS01 Area D (mg/L) | CC024WS01 Area D (mg/L) | CC039WS01 Area D (mg/L) | CC237WS01 Area D (mg/L) |
|---------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| alpha-BHC | | ND | 0.453 | 0.0693 | 0.000111 |
| alpha-Chlordane | | ND | 0.05 | ND | ND |
| beta-BHC | | ND | 0.85 | 0.414 | ND |
| delta-BHC | | 0.0663 | 1.63 | 0.92 | ND |
| Dieldrin | | ND | ND | ND | 0.0000145 |
| gamma-BHC (Lindane) | | 0.114 | 8.76 | 0.362 | ND |
| Heptachlor | | ND | ND | ND | 0.0000537 |

Notes:

mg/L = milligrams per liter

ND = not detected

na = not analyzed

Executive summary

Environmental Site Assessment In Support of Land Farm Construction
Camp Carroll, Korea (G&E 07-053E/E08-11)

1. Purpose.

The purpose of this environmental site assessment (ESA) is to determine the horizontal and vertical extent of the suspected contamination within the land farm bed #1 of Camp Carroll. The scope of work for this ESA included subsurface soil sampling, chemical analysis and a volume estimation of contaminated soil within the area of concern in order to excavate the contaminated soil prior to constructing the full designed treatment bed.

2. Summary of Findings.

Chemicals that exceeded the Environmental Protection Agency (EPA) Primarily Remediation Goal (PRG) Region IX criteria for residential areas were identified from soil samples collected at the land farm bed 1 and around the holding pond during this ESA. The summary of findings that exceeds the EPA PRG Region IX criteria is illustrated in the figure 8 in this document.

Among the target metals analyzed, the concentrations of chromium and arsenic were the only ones to exceed the EPA criteria. Chromium concentration above the EPA criteria appears limited at the top soil layer. Arsenic concentration above the EPA criteria appeared close to the surface of the soil sample and again at 6 to 8.4 m bgs.

Among the volatile organic compounds (VOCs) analyzed, the concentrations of trichloroethylene (TCE), 1,2,4- Trichlorobenzene and tetrachloroethylene (PCE) exceeded the EPA criteria. The VOCs exceeding the EPA criteria mostly appeared in the northern half of the bed and around the holding pond.

Pesticides such as DDD, DDT, DDE, Endrin and gamma-chlorodane exceeding the EPA criteria were identified in the northern half of the land farm bed #1.

3. Conclusion.

The volume of contaminated soil in the land farm bed #1 of Camp Carroll that exceeds the EPA PRG Region IX criteria was estimated. The areas above the PRG criteria mostly appear the northern half of the land farm bed #1 and around the monitoring well M07-221.

- 1) For the northern half of the land farm bed #1:
30 meter X 17 meter X 4 meter (deep) = 2,040 cubic meter
- 2) For the holding pond area:
10 meter X 13 meter X 6 meter (deep) = 780 cubic meter
- 3) Total volume of soil that appear above the EPA PRG criteria = 2,820 cubic meters.

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**Environmental Site Assessment
In Support of
Land Farm Construction at Camp Carroll, Korea**

1. AUTHORITY

The US Army Corps of Engineers, Far East District (FED) has been tasked by the United States Army Garrison (USAG) Taegu, Directorate of Public Works (DPW), US Forces Korea (USFK) to perform an Environmental Site Assessment (ESA) at the land farm of Camp Carroll, Republic of Korea.

2. BACKGROUND OF THE ESA

2.1. Purpose and Scope of Work

The purpose of the ESA is to determine the horizontal and vertical extent of the suspected contamination within the land farm bed #1 of Camp Carroll (Figure 1). The scope of work for this ESA includes subsurface soil sampling, chemical analysis and a volume estimation of contaminated soil within the area of concern in order to excavate the contaminated soil prior to constructing the full designed treatment bed.

2.2. Location of Land Farm

The land farm at Camp Carroll is located south of the Small Arms Firing Range and along the lower half of the eastern boundary of the Camp. The land farm consists of three engineered units. Two of the units are treatment beds, referred to as Bed #1 (East Bed) and Bed #2 (West Bed) and the third is a water retention pond. Bed #2 is the existing treatment bed and currently treating contaminated soil. The dimensions of each treatment bed, which are bounded by berms, are approximately 70 meters by 30 meters. The dimensions of the water retention pond are approximately 30 meters by 20 meters. The total land farm site is approximately 9,100 square meters.

2.3. Investigation History

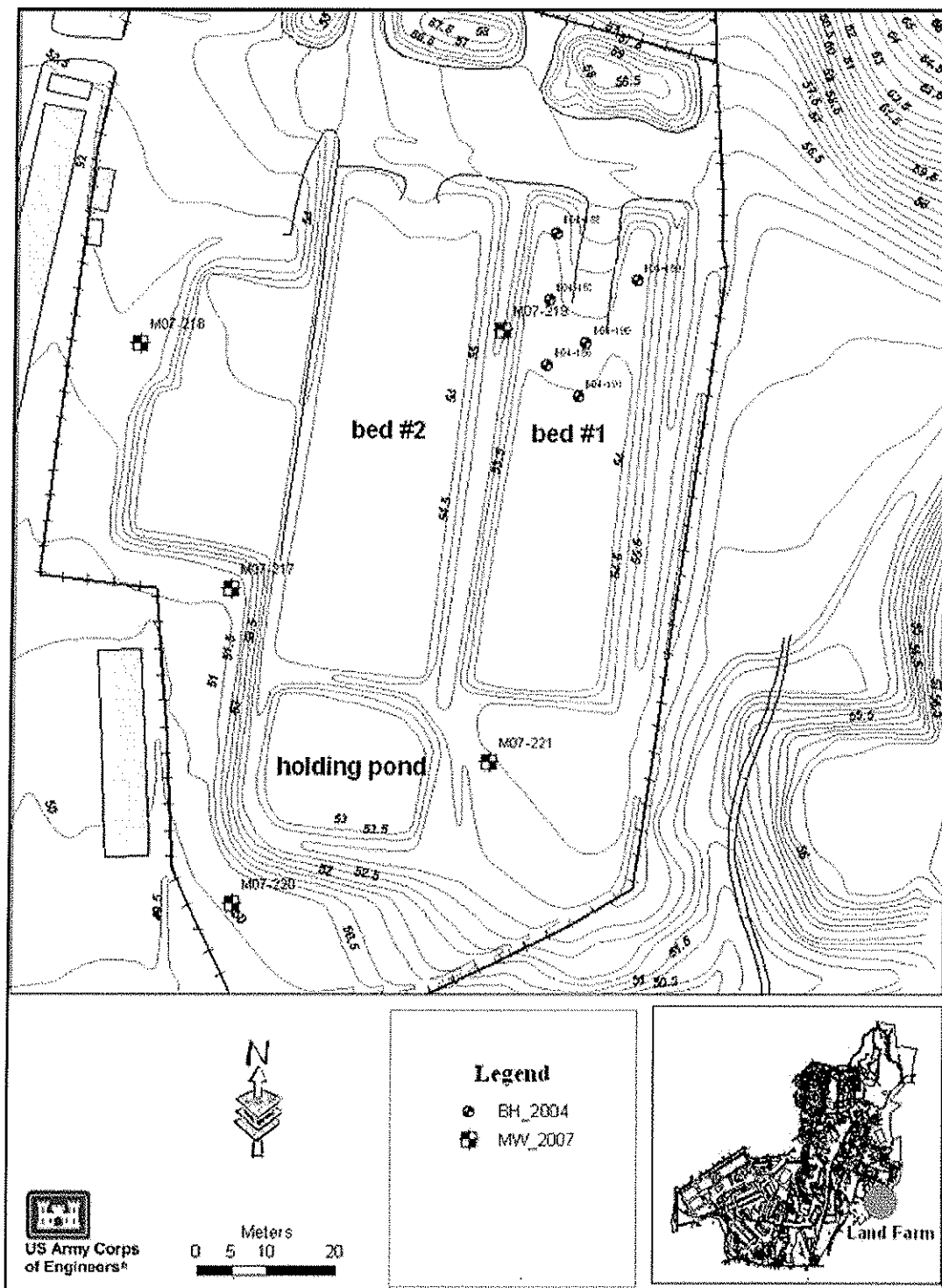
DPW environmental personnel of Camp Carroll suspect that contaminated soils and materials from Area #41 were disposed of in the area now occupied by the land farm. Their suspicions are based on the fact that contaminated soil and waste materials, such as 1-gallon cans were uncovered during excavation and construction of Bed #1 in 1995. The land farm is also located very close to Area D which is identified as a landfill where hazardous waste from Area #41 was disposed of between the years of 1977 and 1982, but reportedly removed between 1982 and 1983.

In 2004 FED conducted an Environmental Assessment (EA) for 4 sites at Camp Carroll including the land farm area. The EA identified solvent-related VOCs, a few pesticides, metal and dioxin/furan compounds from the subsurface soils of the land farm.

In 2007 FED conducted soil/groundwater sampling and analyses from the land farm, and installed five monitoring wells at the land farm facility. Laboratory analyses identified the

subsurface contamination as having solvent-related VOCs exceeding EPA Region IX Preliminary Remediation Goals (PRGs), organochlorinated pesticides and some metals.

Figure 1. Layout of the Camp Carroll Land Farm and the Existing Borehole/Monitoring Locations.



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3. SUBSURFACE INVESTIGATION

3.1. Rationale of Subsurface Investigation

A total of 21 soil borings were drilled for this ESA during 8~12 October 2007. Fifteen borings were placed on the Bed #1 and six borings were placed around the groundwater monitoring well M07-221 where high levels (exceeding PRG) of subsurface contamination such as VOCs and pesticides were reported from the previous investigation in 2007.

Rationale for borehole locations at Bed #1 was based on the results from the investigations in 2004 and 2007 that identified chemicals of concern above EPA Region IX PRG levels. To provide an areal coverage, the proposed boreholes were designed as a grid net of approximately 8 m by 6 m within the bed. Boreholes were located to provide as much spatial distribution information as possible within the scope of the project, while maintaining a sufficient density for assessment purposes. Figure 2 shows the borehole locations together with the existing boreholes and monitoring wells.

3.2. Subsurface Soil Sampling

Subsurface soil samples were collected utilizing a BEC GeoProbe Model 6600 Modified Direct Push & Air Percussion track-mounted drill rig. The GeoProbe minimized cuttings and created a smaller diameter borehole that was easily grouted/filled after all subsurface soil samples were collected. Using the soil-probing machine, continuous soil cores were collected from the surface to the target depth. Subsurface soil sample cores were collected by advancing an open barrel sampler with a plastic sample liner (3.7 cm inner diameter) through the sample interval equivalent to the barrel length or less (normally about 0.9 m). After the barrel sampler was pushed to the desired depth interval, the sampler was extracted from the hole and the plastic liner, containing the soil sample, was removed from the barrel sampler.

The discrete soil sample required for chemical analyses (e.g., metals and pesticides) was collected from the desired depth by retrieving it from the appropriate interval of the removed plastic liner. Retrieved soil samples from an approximate 2 meter horizon were put into a ziplock bag and thoroughly mixed. After mixing, composite soil samples were collected in a laboratory provided, clean glass jar for chemical analyses such as pesticide and metal. The VOC soil sample was not a composite sample. VOC samples were collected using a 5-gram Terra Core sampler from one or two spots in the soil column before mixing, and before putting samples into the 4-oz jar with methanol. A Soil column sample from 0 to 0.5 meter was not taken for VOC analysis since it was considered to be surface soils for this project. All samples were immediately preserved in the ice-packed sample cooler.

Table 1 summarizes the soil sampling results of each investigation and parameters analyzed. All the investigation was conducted down to 4 m below ground surface (bgs) at the bed #1, and the investigation depth around M07-221 was approximately 2 meter deeper to cover the elevation difference between the bed #1 and the monitoring well M07-221.