# SDMS US EPA REGION V -1

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Huntingdon

# EPA METHOD 8270
## TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

| | | | |
|---|---|---|---|
| Client ID: | GS-C304-101 | Lab ID (HSN): | GS-C304-101 |
| Matrix: | LEACH | Filename: | 4157K15 |
| Date Sampled: | 05/27/94 | Sample Size: | 200 mL |
| Date Received: | 05/31/94 | Extract Vol.: | 1000 uL |
| Date Extracted: | 06/05/94 | Dil. Factor: | 1 |
| Date Analyzed: | 06/06/94 | | |
| Date Leached: | 06/02/94 | | |

| Compounds: | ug/L (PPB) | EQL |
|---|---|---|
| Pyridine | 50 U | 50 |
| 1,4-Dichlorobenzene | 50 U | 50 |
| o-Cresol | 50 U | 50 |
| m- and/or p-Cresol | 50 U | 50 |
| Hexachloroethane | 50 U | 50 |
| Nitrobenzene | 50 U | 50 |
| Hexachloro-1,3-butadiene | 50 U | 50 |
| 2,4,6 Trichlorophenol | 50 U | 50 |
| 2,4,5-Trichlorophenol | 130 U | 130 |
| 2,4-Dinitrotoluene | 50 U | 50 |
| Hexachlorobenzene | 50 U | 50 |
| Pentachlorophenol | 130 U | 130 |

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| Surrogate Recovery | | QC LIMITS |
|---|---|---|
| 2-Fluorophenol | 48% | 21-110% |
| Phenol-d5 | 31% | 10-110% |
| 2-Chlorophenol-d4 | 75% | 33-110% |
| Nitrobenzene-d5 | 92% | 35-114% |
| 2-Fluorobiphenyl | 70% | 43-116% |
| 2,4,6-Tribromophenol | 96% | 10-123% |
| Terphenyl-d14 | 136% | 33-141% |

TCLP - Toxicity Characteristic Leaching Procedure
EQL - Estimated Quantitation Limit (lower calibration limit)
U - Undetected at the given EQL
J - Detected below the EQL (estimated value)
E - Exceeds the upper calibration limit (estimated value)
B - Also detected in the associated Blank
Y - Associated internal standard failed method criteria

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

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# EPA METHOD 8270
## TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

| | | | |
|---|---|---|---|
| Client ID: | GS-C304-101MS | Lab ID (HSN): | GS-C304-101MS |
| Matrix: | LEACH | Filename: | 4160K15 |
| Date Sampled: | 05/27/94 | Sample Size: | 200 mL |
| Date Received: | 05/31/94 | Extract Vol.: | 1000 uL |
| Date Extracted: | 06/08/94 | Dil. Factor: | 1 |
| Date Analyzed: | 06/09/94 | | |
| Date Leached: | 06/02/94 | | |

| Compounds: | ug/L (PPB) | EQL |
|---|---|---|
| Pyridine | 180 | 50 |
| 1,4-Dichlorobenzene | 180 | 50 |
| o-Cresol | 250 | 50 |
| m- and/or p Cresol | 440 | 50 |
| Hexachloroethane | 170 | 50 |
| Nitrobenzene | 280 | 50 |
| Hexachloro-1,3-butadiene | 160 | 50 |
| 2,4,6-Trichlorophenol | 290 | 50 |
| 2,4,5-Trichlorophenol | 300 | 13[illegible] |
| 2,4-Dinitrotoluene | 290 | 50 |
| Hexachlorobenzene | 310 | 50 |
| Pentachlorophenol | 620 E | 130 |

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| Surrogate Recovery | | QC LIMITS |
|---|---|---|
| 2-Fluorophenol | 51% | 21-110% |
| Phenol-d5 | 33% | 10-110% |
| 2-Chlorophenol-d4 | 81% | 33-110% |
| 1,2-Dichlorobenzene-d4 | 55% | 16-110% |
| Nitrobenzene-d5 | 84% | 35-114% |
| 2-Fluorobiphenyl | 64% | 43-116% |
| 2,4,6-Tribromophenol | 107% | 10-123% |
| Terphenyl-d14 | 112% | 33-141% |

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

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# EPA METHOD 8270
## TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

| | | | |
|---|---|---|---|
| Client ID: | GS-C304-101MSD | Lab ID (HSN): | GS-C304-101MSD |
| Matrix: | LEACH | Filename: | 4160K16 |
| Date Sampled: | 05/27/94 | Sample Size: | 200 mL |
| Date Received: | 05/31/94 | Extract Vol.: | 1000 uL |
| Date Extracted: | 06/08/94 | Dil. Factor: | 1 |
| Date Analyzed: | 06/09/94 | | |
| Date Leached: | 06/02/94 | | |

| Compounds: | ug/L (PPB) | EQL |
|---|---|---|
| Pyridine | 170 | 50 |
| 1,4-Dichlorobenzene | 150 | 50 |
| o-Cresol | 220 | 50 |
| m- and/or p-Cresol | 390 | 50 |
| Hexachloroethane | 130 | 50 |
| Nitrobenzene | 270 | 50 |
| Hexachloro-1,3-butadiene | 140 | 50 |
| 2,4,6-Trichlorophenol | 270 | 50 |
| 2,4,5-Trichlorophenol | 280 | 130 |
| 2,4-Dinitrotoluene | 260 | 50 |
| Hexachlorobenzene | 310 | 50 |
| Pentachlorophenol | 650 E | 130 |

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| Surrogate Recovery | | QC LIMITS |
|---|---|---|
| 2-Fluorophenol | 45% | 21-110% |
| Phenol-d5 | 30% | 10-110% |
| 2-Chlorophenol-d4 | 75% | 33-110% |
| 1,2-Dichlorobenzene-d4 | 48% | 16-110% |
| Nitrobenzene-d5 | 74% | 35-114% |
| 2-Fluorobiphenyl | 55% | 43-116% |
| 2,4,6-Tribromophenol | 105% | 10-123% |
| Terphenyl-d14 | 104% | 33-141% |

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

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TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

| | | | |
|---|---|---|---|
| Client ID: | GS-C4-102 | Lab ID (HSN): | GS-C4-102 |
| Matrix: | LEACH | Filename: | 4157K19 |
| Date Sampled: | 05/27/94 | Sample Size: | 200 mL |
| Date Received: | 05/31/94 | Extract Vol.: | 1000 uL |
| Date Extracted: | 06/05/94 | Dil. Factor: | 1 |
| Date Analyzed: | 06/06/94 | | |
| Date Leached: | 06/02/94 | | |

| Compounds: | ug/L (PPB) | EQL |
|---|---|---|
| Pyridine | 50 U | 50 |
| 1,4-Dichlorobenzene | 50 U | 50 |
| o-Cresol | 5 J | 50 |
| m- and/or p-Cresol | 320 | 50 |
| Hexachloroethane | 50 U | 50 |
| Nitrobenzene | 50 U | 50 |
| Hexachloro-1,3-butadiene | 50 U | 50 |
| 2,4,6-Trichlorophenol | 50 U | 50 |
| 2,4,5-Trichlorophenol | 130 U | 130 |
| 2,4-Dinitrotoluene | 50 U | 50 |
| Hexachlorobenzene | 50 U | 50 |
| Pentachlorophenol | 130 U | 130 |

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| Surrogate Recovery | | QC LIMITS |
|---|---|---|
| 2-Fluorophenol | 43% | 21-110% |
| Phenol-d5 | 32% | 10-110% |
| 2-Chlorophenol-d4 | 69% | 33-110% |
| Nitrobenzene-d5 | 91% | 35-114% |
| 2-Fluorobiphenyl | 89% | 43-116% |
| 2,4,6-Tribromophenol | 134%E | 10-123% |
| Terphenyl-d14 | 195%E | Y 33-141% |

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank
Y = Associated internal standard failed method criteria

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

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# EPA METHOD 8270
## TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

| | | | |
|---|---|---|---|
| Client ID: | GS-C4-102 RI | Lab ID (HSN): | GS-C4-102 RI |
| Matrix: | LEACH | Filename: | 4158K04 |
| Date Sampled: | 05/27/94 | Sample Size: | 200 mL |
| Date Received: | 05/31/94 | Extract Vol.: | 1000 uL |
| Date Extracted: | 06/05/94 | Dil. Factor: | 1 |
| Date Analyzed: | 06/07/94 | | |
| Date Leached: | 06/02/94 | | |

| Compounds: | ug/L (PPB) | EQL |
|---|---|---|
| Pyridine | 50 U | 50 |
| 1,4-Dichlorobenzene | 50 U | 50 |
| o-Cresol | 50 U | 50 |
| m- and/or p-Cresol | 330 | 50 |
| Hexachloroethane | 50 U | 50 |
| Nitrobenzene | 50 U | 50 |
| Hexachloro-1,3-butadiene | 50 U | 50 |
| 2,4,6-Trichlorophenol | 50 U | 50 |
| 2,4,5-Trichlorophenol | 130 U | 130 |
| 2,4-Dinitrotoluene | 50 U | 50 |
| Hexachlorobenzene | 50 U | 50 |
| Pentachlorophenol | 130 U | 130 |

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| Surrogate Recovery | | QC LIMITS |
|---|---|---|
| 2-Fluorophenol | 43% | 21-110% |
| Phenol-d5 | 34% | 10-110% |
| 2-Chlorophenol-d4 | 73% | 33-110% |
| Nitrobenzene-d5 | 86% | 35-114% |
| 2-Fluorobiphenyl | 96% | 43-116% |
| 2,4,6-Tribromophenol | 129%E | 10-123% |
| Terphenyl-d14 | 172%E | Y 33-141% |

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank
Y = Associated internal standard failed method criteria

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

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# EPA METHOD 8270
## TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

| | | | |
|---|---|---|---|
| Client ID: | GS-C6-103 | Lab ID (HSN): | GS-C6-103 |
| Matrix: | LEACH | Filename: | 4157K20 |
| Date Sampled: | 05/27/94 | Sample Size: | 200 mL |
| Date Received: | 05/31/94 | Extract Vol.: | 1000 uL |
| Date Extracted: | 06/05/94 | Dil. Factor: | 1 |
| Date Analyzed: | 06/07/94 | | |
| Date Leached: | 06/02/94 | | |

| Compounds: | ug/L (PPB) | EQL |
|---|---|---|
| Pyridine | 50 U | 50 |
| 1,4-Dichlorobenzene | 50 U | 50 |
| o-Cresol | 50 U | 50 |
| m- and/or p-Cresol | 26 J | 50 |
| Hexachloroethane | 50 U | 50 |
| Nitrobenzene | 50 U | 50 |
| Hexachloro-1,3-butadiene | 50 U | 50 |
| 2,4,6-Trichlorophenol | 50 U | 50 |
| 2,4,5-Trichlorophenol | 130 U | 130 |
| 2,4-Dinitrotoluene | 50 U | 50 |
| Hexachlorobenzene | 50 U | 50 |
| Pentachlorophenol | 130 U | 130 |

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| Surrogate Recovery | | QC LIMITS |
|---|---|---|
| 2-Fluorophenol | 41% | 21-110% |
| Phenol-d5 | 28% | 10-110% |
| 2-Chlorophenol-d4 | 66% | 33-110% |
| Nitrobenzene d5 | 77% | 35-114% |
| 2-Fluorobiphenyl | 72% | 43-116% |
| 2,4,6-Tribromophenol | 102% | 10-123% |
| Terphenyl-d14 | 129% | 33-141% |

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank
Y = Associated internal standard failed method criteria

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

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# EPA METHOD 8270
## TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

| | | | |
|---|---|---|---|
| Client ID: | GS-B6-104 | Lab ID (HSN): | GS-B6-104 |
| Matrix: | LEACH | Filename: | 4157K23 |
| Date Sampled: | 05/27/94 | Sample Size: | 200 mL |
| Date Received: | 05/31/94 | Extract Vol.: | 1000 uL |
| Date Extracted: | 06/05/94 | Dil. Factor: | 1 |
| Date Analyzed: | 06/07/94 | | |
| Date Leached: | 06/02/94 | | |

| Compounds: | ug/L (PPB) | | | EQL |
|---|---|---|---|---|
| Pyridine | 50 | U | | 50 |
| 1,4-Dichlorobenzene | 50 | U | | 50 |
| o-Cresol | 14 | J | X | 50 |
| m- and/or p-Cresol | 52 | | X | 50 |
| Hexachloroethane | 50 | U | | 50 |
| Nitrobenzene | 50 | U | | 50 |
| Hexachloro-1,3-butadiene | 50 | U | | 50 |
| 2,4,6-Trichlorophenol | 50 | U | | 50 |
| 2,4,5-Trichlorophenol | 46 | J | | 130 |
| 2,4-Dinitrotoluene | 50 | U | | 50 |
| Hexachlorobenzene | 50 | U | | 50 |
| Pentachlorophenol | 130 | U | | 130 |

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| Surrogate Recovery | | | QC LIMITS |
|---|---|---|---|
| 2-Fluorophenol | 0%U | X | 21-110% |
| Phenol-d5 | 0%U | X | 10-110% |
| 2-Chlorophenol-d4 | 31% | X | 33-110% |
| Nitrobenzene-d5 | 90% | | 35-114% |
| 2-Fluorobiphenyl | 86% | | 43-116% |
| 2,4,6-Tribromophenol | 71% | | 10-123% |
| Terphenyl-d14 | 180%E | Y | 33-141% |

TCLP - Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U - Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank
Y = Associated internal standard failed method criteria
X = Interferences present

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

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EPA METHOD 8270
TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

| | | | |
|---|---|---|---|
| Client ID: | GS-B6-104 DL1 | Lab ID (HSN): | GS-B6-104 DL1 |
| Matrix: | LEACH | Filename: | 4157K22 |
| Date Sampled: | 05/27/94 | Sample Size: | 200 mL |
| Date Received: | 05/31/94 | Extract Vol.: | 1000 uL |
| Date Extracted: | 06/05/94 | Dil. Factor: | 10 |
| Date Analyzed: | 06/07/94 | | |
| Date Leached: | 06/02/94 | | |

| Compounds: | ug/L (PPB) | EQL |
|---|---|---|
| Pyridine | 500 UD | 500 |
| 1,4-Dichlorobenzene | 500 UD | 500 |
| o-Cresol | 500 UD | 500 |
| m- and/or p-Cresol | 65 JD | 500 |
| Hexachloroethane | 500 UD | 500 |
| Nitrobenzene | 500 UD | 500 |
| Hexachloro-1,3-butadiene | 500 UD | 500 |
| 2,4,6-Trichlorophenol | 500 UD | 500 |
| 2,4,5-Trichlorophenol | 1300 UD | 1300 |
| 2,4-Dinitrotoluene | 500 UD | 500 |
| Hexachlorobenzene | 500 UD | 500 |
| Pentachlorophenol | 1300 UD | 1300 |

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| Surrogate Recovery | | QC LIMITS |
|---|---|---|
| 2-Fluorophenol | 45%JD | 21-110% |
| Phenol-d5 | 33%JD | 10-110% |
| 2-Chlorophenol-d4 | 77%JD | 33-110% |
| Nitrobenzene-d5 | 86%JD | 35-114% |
| 2-Fluorobiphenyl | 81%JD | 43-116% |
| 2,4,6-Tribromophenol | 99%JD | 10-123% |
| Terphenyl-d14 | 113%JD | 33-141% |

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U - Undetected at the given EQL
J - Detected below the EQL (estimated value)
E - Exceeds the upper calibration limit (estimated value)
B - Also detected in the associated Blank
D - Analysis at a secondary Dilution factor

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

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