

APPENDIX G
USABILITY REPORTS

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

| | |
|--|-----------------------|
| Project: | SITEWD-O3A |
| Sampling Contractor: | R&C Formation LTD |
| Analytical Laboratory: | Test America-Missouri |
| Analytical Method and/or Parameter: | 524.2 |
| Sample Delivery Group: | 40316 |
| Chain-of-Custody (COC) No. / Sample IDs: | 40316 |
| Date Sampled: | 8/22/2018 |
| Parameter(s): | |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i> |
|------------------|----------------------------------|---|
| 40316-001 | No Qualifier | TB had methylene chloride detected, not detected in any associated samples. |
| Method Blank | No Qualifier | Toluene at 0.205ug/L and m/p-xylene at 0.212 ug/L detected in MB, not detected in any associated samples. |
| LCS | | Dichlorodifluoromethane recovered high in LCS, sample -002 was flagged J due to a positive result. |
| 40316-002 | J | |

Summary:

Reviewed by: Larry D. Singh
Subject Matter Expert

Date: 4/10/2019

Reviewed by: _____
Project Manager

Date: _____

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

| | |
|--|---------------------------------|
| Project: | SITEWD-03B |
| Sampling Contractor: | EPD Field Sampling Team |
| Analytical Laboratory: | Test America-Missouri |
| Analytical Method and/or Parameter: | 524.2 |
| Sample Delivery Group: | 40806 |
| Chain-of-Custody (COC) No. / Sample IDs: | 40806 |
| Date Sampled: | 2/26/2019 |
| Parameter(s): | Methyl bromide and Chloroethane |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i> |
|-------------------------------|----------------------------------|--|
| LCS 40806-001 40806-002 | | <p>LCS Methyl bromide response above upper control limit. LCS Chloroethane response above upper control limit. Associated samples did not have any positive results for these analytes and was not flagged</p> <p>The continuing calibration verification (CCV) recovered above the upper control limit for Bromomethane, and Chloroethane. The samples associated with this CCV were non-detects for the affected analytes and unflagged.</p> |

Summary:

Reviewed by: Larry D. Singh
Subject Matter Expert

Date: 4/10/2019

Reviewed by: _____

Date: _____

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

| | |
|--|-------------------------|
| Project: | SITEWD-MAG |
| Sampling Contractor: | EPD Field Sampling Team |
| Analytical Laboratory: | Test America-Missouri |
| Analytical Method and/or Parameter: | 524.2 |
| Sample Delivery Group: | 40846 |
| Chain-of-Custody (COC) No. / Sample IDs: | 40846 |
| Date Sampled: | 3/12/2018 |
| Parameter(s): | 524.2 |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i> |
|--|----------------------------------|--|
| CCV 40846-001 40846-002 40846-003 | UJ UJ UJ | <p>The CCV recovered high for 2-Chlorotoluene, associated samples did not have any positive results and were not flagged.</p> <p>The CCV recovered low for DBCP, associated samples have been flagged UJ due to low bias.</p> <p>The laboratory control sample (LCS) recovered outside of upper control limits for the following analytes: 2-Chlorotoluene, Bromomethane, and Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples and not flagged.</p> <p>The matrix spike / matrix spike duplicate (MS/MSD) precision was outside of control limits for Bromomethane, associated samples did not have any positive results and were not flagged.</p> |

Summary:

Reviewed by: Larry D. Singh
Subject Matter Expert

Date: 4/10/2019

Reviewed by: _____
Project Manager

Date: _____

EM-SOP-211

Rev. e0, 12/17

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

| | |
|--|-------------------------|
| Project: | SITEWD-APT |
| Sampling Contractor: | EPD Field Sampling Team |
| Analytical Laboratory: | Test America-Missouri |
| Analytical Method and/or Parameter: | 524.2 |
| Sample Delivery Group: | 40856 |
| Chain-of-Custody (COC) No. / Sample IDs: | 40856 |
| Date Sampled: | 3/13/2019 |
| Parameter(s): | DBCP |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i> |
|--|--|---|
| CCV 40856-002 40856-003 40856-004 40856-005 40856-006 40856-007 40856-008 | UJ UJ UJ UJ UJ UJ UJ | DBCP recovered low in CCV, All associated samples have been reflagged from U to UJ due to low bias. |

Summary:

Reviewed by: Larry D. Singh
Subject Matter Expert

Date: 4/10/2019

Reviewed by: _____
Project Manager

Date: _____

EM-SOP-211

Rev. e0, 12/17

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

| | |
|--|-------------------------|
| Project: | SiteWD-O3B96 |
| Sampling Contractor: | EPD Field Sampling Team |
| Analytical Laboratory: | Test America-Missouri |
| Analytical Method and/or Parameter: | 524.2 |
| Sample Delivery Group: | 40899 |
| Chain-of-Custody (COC) No. / Sample IDs: | 40899 |
| Date Sampled: | 04/03/2019 & 04/04/2019 |
| Parameter(s): | 524.2 |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i> |
|------------------|--|--|
| LCS | | Methylene chloride and Dichlorofluoromethane recovered high in the LCS, Associated samples did not have any positive results for these analytes. No Flag needed. |

Summary:

Reviewed by: Larry D. Singh
 Subject Matter Expert

Date: 04/15/2019

Reviewed by:
 Project Manager

Date:

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

| | |
|--|-------------------------|
| Project: | SiteWD-O3B96 |
| Sampling Contractor: | EPD Field Sampling Team |
| Analytical Laboratory: | Test America-Missouri |
| Analytical Method and/or Parameter: | 524.2 |
| Sample Delivery Group: | 40915 |
| Chain-of-Custody (COC) No. / Sample IDs: | 40915 |
| Date Sampled: | 4/5/2019 |
| Parameter(s): | 524.2 |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i> |
|------------------|----------------------------------|-----------------------------------|
| | | All Good |

Summary:

Reviewed by: Larry D. Singh Date: 04/15/2019
Subject Matter Expert

Reviewed by: _____ Date: _____
Project Manager

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

| | |
|--|-------------------------|
| Project: | SITEWD-O3M |
| Sampling Contractor: | EPD Field Sampling Team |
| Analytical Laboratory: | Test America-Missouri |
| Analytical Method and/or Parameter: | 524.2 and 905 |
| Sample Delivery Group: | 41013 |
| Chain-of-Custody (COC) No. / Sample IDs: | 41013 |
| Date Sampled: | 4/24/2019, 4/25/2019 |
| Parameter(s): | 524.2 and Radionuclides |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i> |
|------------------|----------------------------------|---|
| All Samples | | LCS Dichlorodifluoromethane response above upper control limit. Associated samples did not have any positive results for this analyte. No qualifier needed. |

Summary:

Reviewed by: Larry D. Singh
Subject Matter Expert

Date: 06/14/2019

Reviewed by: _____
Project Manager

Date: _____

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

| | |
|--|-------------------------|
| Project: | SITEWD-LIPA |
| Sampling Contractor: | EPD Field Sampling Team |
| Analytical Laboratory: | Test America-Missouri |
| Analytical Method and/or Parameter: | 524.2 |
| Sample Delivery Group: | 41092A |
| Chain-of-Custody (COC) No. / Sample IDs: | 41092 |
| Date Sampled: | 5/23/2019, 5/24/2019 |
| Parameter(s): | |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i> |
|------------------|--|---|
| All Samples | No Qualifier | FB had methylene chloride detected, not detected in any associated samples. |

Summary:

Reviewed by: Larry D. Singh
Subject Matter Expert

Date: 6/06/2019

Reviewed by: _____
Project Manager

Date: _____

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

| | |
|--|-------------------------|
| Project: | SITEWD-CAH |
| Sampling Contractor: | EPD Field Sampling Team |
| Analytical Laboratory: | General Engineering |
| Analytical Method and/or Parameter: | EPA 905.0/DOE RP501 |
| Sample Delivery Group: | 41201 |
| Chain-of-Custody (COC) No. / Sample IDs: | 41201 |
| Date Sampled: | 7/11/2019, 7/12/2019 |
| Parameter(s): | Radionuclides |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i> |
|------------------|----------------------------------|-----------------------------------|
| | | All Good |

Summary:

Reviewed by: Larry D. Singh Date: 8/15/2019
 Subject Matter Expert

Reviewed by: Date:
 Project Manager

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

| | |
|--|---|
| Project: | SITEWD-RAV |
| Sampling Contractor: | EPD Field Sampling Team |
| Analytical Laboratory: | General Engineering |
| Analytical Method and/or Parameter: | EPA 524.2 & EPA 901.1, 905.0/DOE RP501, 906.0 Mod |
| Sample Delivery Group: | 41341 |
| Chain-of-Custody (COC) No. / Sample IDs: | 41341 |
| Date Sampled: | 9/16/2019, 9/17/2019 |
| Parameter(s): | 524.2 and Radionuclides |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i> |
|------------------|----------------------------------|---|
| All Samples | | Trip Blank had 3.98 ug/L of Methylene Chloride. Associated samples did not have any positive results for this analyte. No qualifier needed. |

Summary:

Reviewed by: Larry D. Singh
Subject Matter Expert

Date: 10/22/2019

Reviewed by: _____
Project Manager

Date: _____

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

| | |
|--|-------------------------|
| Project: | SITEWD-03S |
| Sampling Contractor: | EPD Field Sampling Team |
| Analytical Laboratory: | Test America-Missouri |
| Analytical Method and/or Parameter: | 524.2, 901.1, 905 |
| Sample Delivery Group: | 41452 |
| Chain-of-Custody (COC) No. / Sample IDs: | 41452 |
| Date Sampled: | 10/26/2019, 10/28/2019 |
| Parameter(s): | Radionuclides |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i> |
|------------------|--|--|
| All Samples | None | Trip blank had 0.63 ug/L of Chloroform and 1.1 ug/L of Methylene Chloride. Associated samples did not have any positive results for these analytes. No qualify required. |

Summary:

Reviewed by: Larry D. Singh
Subject Matter Expert

Date: 12/10/2019

Reviewed by: _____
Project Manager

Date: _____

