

CASE NARRATIVE
Client: Sundance Consulting, Inc.
Project: Fort Wingate, New Mexico
Report Number: 280-76532-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Sample Receipt

Five samples were received on 11/7/2015 8:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were 0.2°C, 0.5°C, 0.9°C, 1.5°C, 1.8°C, 2.2°C and 3.4°C.

Additional samples/analyses requested on the chain-of-custody are reported under separate cover (280-76532-1).

No other anomalies were encountered during sample receipt.

GC/MS Semivolatiles - 8270D

Samples TMW38102015 (280-76532-3), MW23102015 (280-76532-4), DMW23102015 (280-76532-5), TMW15102015 (280-76532-6) and DTW15102015 (280-76532-7) were analyzed for semivolatile organic compounds (GC-MS) in accordance with SW-846 8270D. The samples were prepared on 11/10/2015 and analyzed on 11/16/2015.

Please note the Caprolactam data are reported under separate cover, as the laboratory does not hold DOD ELAP certification for this compound. The laboratory does not maintain quarterly QC requirements for precision, accuracy and detections.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Field QC Assignments and Associated Samples

EDD File Name: 280-76532-2

eQapp Name: FtWingate_Primary_120405

| | Associated Samples | Sample Collection Date |
|---|---------------------------|-------------------------------|
| Field QC DMW23102015 QC Type: FD | MW23102015 | 11/6/2015 8:35:00 AM |
| Field QC DTW15102015 QC Type: FD | TMW15102015 | 11/6/2015 9:05:00 AM |



Data Qualifier Summary

Lab Reporting Batch ID: 280-76532-2

Laboratory: TA DEN

EDD Filename: 280-76532-2

eQAPP Name: FtWingate_Primary_120405

No Data Review Qualifiers Applied.



Data Review Summary

Lab Reporting Batch ID: 280-76532-2

Laboratory: TA DEN

EDD Filename: 280-76532-2

eQAPP Name: FtWingate_Primary_120405

| <i>Validation Area</i> | <i>Note</i> |
|---|-------------|
| Technical Holding Times | A |
| Temperature | A |
| Initial Calibration | N |
| Continuing Calibration/Initial Calibration Verification | N |
| Method Blanks | A |
| Surrogate/Tracer Spikes | A |
| Matrix Spike/Matrix Spike Duplicates | A |
| Laboratory Duplicates | N |
| Laboratory Replicates | N |
| Laboratory Control Samples | A |
| Compound Quantitation | A |
| Field Duplicates | A |
| Field Triplicates | N |
| Field Blanks | N |

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.



Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: TA DEN

| <i>Client Sample ID</i> | <i>Lab Sample ID</i> | <i>Matrix</i> | <i>Sample Type</i> | <i>Preparation Method</i> | <i>Collection Date</i> | <i>Validation Code</i> |
|---|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|
| Lab Reporting Batch: 280-76532-2 | | | | | | |
| Method: 8270D | | | | | | |
| DMW23102015 | 280-76532-5 | AQ | FD | 3520C | 11/6/2015 8:35:00 AM | S2AVE |
| DTW15102015 | 280-76532-7 | AQ | FD | 3520C | 11/6/2015 9:05:00 AM | S2AVE |
| MW23102015 | 280-76532-4 | AQ | N | 3520C | 11/6/2015 8:35:00 AM | S2AVE |
| MW23102015MS | 280-76532-4MS | AQ | MS | 3520C | 11/6/2015 8:35:00 AM | S2AVE |
| MW23102015MSD | 280-76532-4MSD | AQ | MSD | 3520C | 11/6/2015 8:35:00 AM | S2AVE |
| TMW15102015 | 280-76532-6 | AQ | N | 3520C | 11/6/2015 9:05:00 AM | S2AVE |
| TMW38102015 | 280-76532-3 | AQ | N | 3520C | 11/6/2015 10:00:00 AM | S2AVE |



Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: TA DEN

| <i>Client Sample ID</i> | <i>Lab Sample ID</i> | <i>Matrix</i> | <i>Sample Type</i> | <i>Preparation Method</i> | <i>Collection Date</i> | <i>Validation Code</i> |
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|
|-------------------------|----------------------|---------------|--------------------|---------------------------|------------------------|------------------------|

Validation Label Legend

| <i>Label Code</i> | <i>Label Description</i> | <i>EPA Level</i> |
|-------------------|---|--------------------------|
| S1VE | Stage_1_Validation_Electronic | N/A |
| S1VM | Stage_1_Validation_Manual | N/A |
| S1VEM | Stage_1_Validation_Electronic_and_Manual | N/A |
| S2AVE | Stage_2A_Validation_Electronic | Level 3 w/o calibration |
| S2AVM | Stage_2A_Validation_Manual | Level 3 w/o calibration |
| S2AVEM | Stage_2A_Validation_Electronic_and_Manual | Level 3 w/o calibration |
| S2BVE | Stage_2B_Validation_Electronic | Level 3 with calibration |
| S2BVM | Stage_2B_Validation_Manual | Level 3 with calibration |
| S2BVEM | Stage_2B_Validation_Electronic_and_Manual | Level 3 with calibration |
| S3VE | Stage_3_Validation_Electronic | Level 4 |
| S3VM | Stage_3_Validation_Manual | Level 4 |
| S3VEM | Stage_3_Validation_Electronic_and_Manual | Level 4 |
| S4VE | Stage_4_Validation_Electronic | Level 4 |
| S4VM | Stage_4_Validation_Manual | Level 4 |
| S4VEM | Stage_4_Validation_Electronic_and_Manual | Level 4 |
| NV | Not_Validated | N/A |