



LAB CHRONICLE

|          |                      |            |                                  |
|----------|----------------------|------------|----------------------------------|
| OrderID: | P4474                | OrderDate: | 10/21/2024 3:19:00 PM            |
| Client:  | Yannuzzi Group, Inc. | Project:   | 86 Davidson Road, Piscataway, NJ |
| Contact: | Rafael Nunez         | Location:  | K61                              |

| LabID      | ClientID | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|------------|----------|--------|---------------|--------|-------------|-----------|-----------|----------|
| P4474-01   | TS-2     | SOIL   | VOC-TCLVOA-10 | 8260D  | 10/18/24    |           | 10/22/24  | 10/21/24 |
| P4474-01RE | TS-2RE   | SOIL   | VOC-TCLVOA-10 | 8260D  | 10/18/24    |           | 10/23/24  | 10/21/24 |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

Hit Summary Sheet  
SW-846

SDG No.: P4474  
Client: Yannuzzi Group, Inc.

| Sample ID            | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|----------------------|-----------|--------|-----------|---------------|---|-----|-----|-------|
| Client ID:           |           |        |           | 0             |   |     |     |       |
| Total Voc :          |           |        |           |               |   |     |     |       |
| Total Concentration: |           |        |           |               |   |     |     |       |



# SAMPLE DATA

## Report of Analysis

|                    |                                  |           |                 |               |    |
|--------------------|----------------------------------|-----------|-----------------|---------------|----|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: | 10/18/24      |    |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  | 10/21/24      |    |
| Client Sample ID:  | TS-2                             |           | SDG No.:        | P4474         |    |
| Lab Sample ID:     | P4474-01                         |           | Matrix:         | SOIL          |    |
| Analytical Method: | SW8260                           |           | % Solid:        | 48.2          |    |
| Sample Wt/Vol:     | 5.03                             | Units: g  | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |    |
| Prep Method :      |                                  |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019982.D        | 1         |           | 10/22/24 16:21 | VY102224      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 3.40  | U         | 3.40 | 10.3       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 2.40  | U         | 2.40 | 10.3       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 1.60  | U         | 1.60 | 10.3       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 2.10  | U         | 2.10 | 10.3       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 2.10  | U         | 2.10 | 10.3       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 1.90  | U         | 1.90 | 10.3       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 2.20  | U         | 2.20 | 10.3       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 1.60  | U         | 1.60 | 10.3       | ug/Kg             |
| 67-64-1        | Acetone                        | 12.9  | U         | 12.9 | 51.6       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 2.60  | U         | 2.60 | 10.3       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 1.40  | U         | 1.40 | 10.3       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 3.70  | U         | 3.70 | 10.3       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 7.00  | U         | 7.00 | 20.6       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.70  | U         | 1.70 | 10.3       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 1.30  | U         | 1.30 | 10.3       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 1.40  | U         | 1.40 | 10.3       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 11.7  | U         | 11.7 | 51.6       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 1.80  | U         | 1.80 | 10.3       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 1.30  | U         | 1.30 | 10.3       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 5.00  | U         | 5.00 | 10.3       | ug/Kg             |
| 67-66-3        | Chloroform                     | 1.40  | U         | 1.40 | 10.3       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 1.60  | U         | 1.60 | 10.3       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 1.80  | U         | 1.80 | 10.3       | ug/Kg             |
| 71-43-2        | Benzene                        | 1.50  | U         | 1.50 | 10.3       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 1.30  | U         | 1.30 | 10.3       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 1.50  | U         | 1.50 | 10.3       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 1.40  | U         | 1.40 | 10.3       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 1.20  | U         | 1.20 | 10.3       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 9.00  | U         | 9.00 | 51.6       | ug/Kg             |
| 108-88-3       | Toluene                        | 1.40  | U         | 1.40 | 10.3       | ug/Kg             |



## Report of Analysis

|                    |                                  |                 |                     |
|--------------------|----------------------------------|-----------------|---------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: | 10/18/24            |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24            |
| Client Sample ID:  | TS-2                             | SDG No.:        | P4474               |
| Lab Sample ID:     | P4474-01                         | Matrix:         | SOIL                |
| Analytical Method: | SW8260                           | % Solid:        | 48.2                |
| Sample Wt/Vol:     | 5.03                             | Units: g        | Final Vol: 5000 uL  |
| Soil Aliquot Vol:  |                                  | uL              | Test: VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25       | Level : LOW         |
| Prep Method :      |                                  |                 |                     |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019982.D        | 1         |           | 10/22/24 16:21 | VY102224      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 1.20   | U         | 1.20                | 10.3       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 1.20   | U         | 1.20                | 10.3       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 1.70   | U         | 1.70                | 10.3       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 9.90   | U         | 9.90                | 51.6       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 1.30   | U         | 1.30                | 10.3       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 1.60   | U         | 1.60                | 10.3       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 1.80   | U         | 1.80                | 10.3       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 1.50   | U         | 1.50                | 10.3       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 1.30   | U         | 1.30                | 10.3       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 2.80   | U         | 2.80                | 20.6       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 1.40   | U         | 1.40                | 10.3       | ug/Kg             |
| 100-42-5                  | Styrene                     | 1.20   | U         | 1.20                | 10.3       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 1.70   | U         | 1.70                | 10.3       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 1.40   | U         | 1.40                | 10.3       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 2.30   | U         | 2.30                | 10.3       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 1.50   | U         | 1.50                | 10.3       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 1.60   | U         | 1.60                | 10.3       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 1.20   | U         | 1.20                | 10.3       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 3.20   | U         | 3.20                | 10.3       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 1.60   | U         | 1.60                | 10.3       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 1.60   | U         | 1.60                | 10.3       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 44.0   |           | 70 (50) - 130 (163) | 88%        | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 45.7   |           | 70 (54) - 130 (147) | 91%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 46.1   |           | 70 (58) - 130 (134) | 92%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 30.2   | *         | 70 (29) - 130 (146) | 60%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 66100  | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 118000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 84900  | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 24200  | 13.347    |                     |            |                   |

## Report of Analysis

|                    |                                  |           |                 |               |    |
|--------------------|----------------------------------|-----------|-----------------|---------------|----|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: | 10/18/24      |    |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  | 10/21/24      |    |
| Client Sample ID:  | TS-2                             |           | SDG No.:        | P4474         |    |
| Lab Sample ID:     | P4474-01                         |           | Matrix:         | SOIL          |    |
| Analytical Method: | SW8260                           |           | % Solid:        | 48.2          |    |
| Sample Wt/Vol:     | 5.03                             | Units: g  | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |    |
| Prep Method :      |                                  |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019982.D        | 1         |           | 10/22/24 16:21 | VY102224      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                  |           |                 |               |    |
|--------------------|----------------------------------|-----------|-----------------|---------------|----|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: | 10/18/24      |    |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  | 10/21/24      |    |
| Client Sample ID:  | TS-2RE                           |           | SDG No.:        | P4474         |    |
| Lab Sample ID:     | P4474-01RE                       |           | Matrix:         | SOIL          |    |
| Analytical Method: | SW8260                           |           | % Solid:        | 48.2          |    |
| Sample Wt/Vol:     | 5.03                             | Units: g  | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |    |
| Prep Method :      |                                  |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019996.D        | 1         |           | 10/23/24 15:56 | VY102324      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 3.40  | U         | 3.40 | 10.3       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 2.40  | U         | 2.40 | 10.3       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 1.60  | U         | 1.60 | 10.3       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 2.10  | U         | 2.10 | 10.3       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 2.10  | U         | 2.10 | 10.3       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 1.90  | U         | 1.90 | 10.3       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 2.20  | U         | 2.20 | 10.3       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 1.60  | U         | 1.60 | 10.3       | ug/Kg             |
| 67-64-1        | Acetone                        | 12.9  | U         | 12.9 | 51.6       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 2.60  | U         | 2.60 | 10.3       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 1.40  | U         | 1.40 | 10.3       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 3.70  | U         | 3.70 | 10.3       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 7.00  | U         | 7.00 | 20.6       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.70  | U         | 1.70 | 10.3       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 1.30  | U         | 1.30 | 10.3       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 1.40  | U         | 1.40 | 10.3       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 11.7  | U         | 11.7 | 51.6       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 1.80  | U         | 1.80 | 10.3       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 1.30  | U         | 1.30 | 10.3       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 5.00  | U         | 5.00 | 10.3       | ug/Kg             |
| 67-66-3        | Chloroform                     | 1.40  | U         | 1.40 | 10.3       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 1.60  | U         | 1.60 | 10.3       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 1.80  | U         | 1.80 | 10.3       | ug/Kg             |
| 71-43-2        | Benzene                        | 1.50  | U         | 1.50 | 10.3       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 1.30  | U         | 1.30 | 10.3       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 1.50  | U         | 1.50 | 10.3       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 1.40  | U         | 1.40 | 10.3       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 1.20  | U         | 1.20 | 10.3       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 9.00  | U         | 9.00 | 51.6       | ug/Kg             |
| 108-88-3       | Toluene                        | 1.40  | U         | 1.40 | 10.3       | ug/Kg             |

## Report of Analysis

|                    |                                  |           |                 |               |    |
|--------------------|----------------------------------|-----------|-----------------|---------------|----|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: | 10/18/24      |    |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  | 10/21/24      |    |
| Client Sample ID:  | TS-2RE                           |           | SDG No.:        | P4474         |    |
| Lab Sample ID:     | P4474-01RE                       |           | Matrix:         | SOIL          |    |
| Analytical Method: | SW8260                           |           | % Solid:        | 48.2          |    |
| Sample Wt/Vol:     | 5.03                             | Units: g  | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |    |
| Prep Method :      |                                  |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019996.D        | 1         |           | 10/23/24 15:56 | VY102324      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 1.20   | U         | 1.20                | 10.3       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 1.20   | U         | 1.20                | 10.3       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 1.70   | U         | 1.70                | 10.3       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 9.90   | U         | 9.90                | 51.6       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 1.30   | U         | 1.30                | 10.3       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 1.60   | U         | 1.60                | 10.3       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 1.80   | U         | 1.80                | 10.3       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 1.50   | U         | 1.50                | 10.3       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 1.30   | U         | 1.30                | 10.3       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 2.80   | U         | 2.80                | 20.6       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 1.40   | U         | 1.40                | 10.3       | ug/Kg             |
| 100-42-5                  | Styrene                     | 1.20   | U         | 1.20                | 10.3       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 1.70   | U         | 1.70                | 10.3       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 1.40   | U         | 1.40                | 10.3       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 2.30   | U         | 2.30                | 10.3       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 1.50   | U         | 1.50                | 10.3       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 1.60   | U         | 1.60                | 10.3       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 1.20   | U         | 1.20                | 10.3       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 3.20   | U         | 3.20                | 10.3       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 1.60   | U         | 1.60                | 10.3       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 1.60   | U         | 1.60                | 10.3       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 53.3   |           | 70 (50) - 130 (163) | 107%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 49.9   |           | 70 (54) - 130 (147) | 100%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 48.0   |           | 70 (58) - 130 (134) | 96%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 35.0   |           | 70 (29) - 130 (146) | 70%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 108000 | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 210000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 168000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 51200  | 13.346    |                     |            |                   |

## Report of Analysis

|                    |                                           |                 |                              |
|--------------------|-------------------------------------------|-----------------|------------------------------|
| Client:            | Yannuzzi Group, Inc.                      | Date Collected: | 10/18/24                     |
| Project:           | 86 Davidson Road, Piscataway, NJ          | Date Received:  | 10/21/24                     |
| Client Sample ID:  | TS-2RE                                    | SDG No.:        | P4474                        |
| Lab Sample ID:     | P4474-01RE                                | Matrix:         | SOIL                         |
| Analytical Method: | SW8260                                    | % Solid:        | 48.2                         |
| Sample Wt/Vol:     | 5.03      Units:    g                     | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOC-TCLVOA-10                |
| GC Column:         | RXI-624                      ID :    0.25 | Level :         | LOW                          |
| Prep Method :      |                                           |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019996.D        | 1         |           | 10/23/24 15:56 | VY102324      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# QC SUMMARY

### Surrogate Summary

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D

| Lab Sample ID | Client ID    | Parameter             | Spike | Result | RecoveryQual | Limits  |           |
|---------------|--------------|-----------------------|-------|--------|--------------|---------|-----------|
|               |              |                       |       |        |              | Low     | High      |
| P4474-01      | TS-2         | 1,2-Dichloroethane-d4 | 50    | 44.0   | 88           | 70 (50) | 130 (163) |
|               |              | Dibromofluoromethane  | 50    | 45.7   | 91           | 70 (54) | 130 (147) |
|               |              | Toluene-d8            | 50    | 46.1   | 92           | 70 (58) | 130 (134) |
|               |              | 4-Bromofluorobenzene  | 50    | 30.2   | 60 *         | 70 (29) | 130 (146) |
| P4474-01RE    | TS-2RE       | 1,2-Dichloroethane-d4 | 50    | 53.3   | 107          | 70 (50) | 130 (163) |
|               |              | Dibromofluoromethane  | 50    | 49.9   | 100          | 70 (54) | 130 (147) |
|               |              | Toluene-d8            | 50    | 48.0   | 96           | 70 (58) | 130 (134) |
|               |              | 4-Bromofluorobenzene  | 50    | 35.0   | 70           | 70 (29) | 130 (146) |
| VY1022SBL01   | VY1022SBL01  | 1,2-Dichloroethane-d4 | 50    | 55.9   | 112          | 70 (50) | 130 (163) |
|               |              | Dibromofluoromethane  | 50    | 48.9   | 98           | 70 (54) | 130 (147) |
|               |              | Toluene-d8            | 50    | 50.6   | 101          | 70 (58) | 130 (134) |
|               |              | 4-Bromofluorobenzene  | 50    | 40.3   | 81           | 70 (29) | 130 (146) |
| VY1022SBS01   | VY1022SBS01  | 1,2-Dichloroethane-d4 | 50    | 53.2   | 106          | 70 (50) | 130 (163) |
|               |              | Dibromofluoromethane  | 50    | 53.1   | 106          | 70 (54) | 130 (147) |
|               |              | Toluene-d8            | 50    | 51.4   | 103          | 70 (58) | 130 (134) |
|               |              | 4-Bromofluorobenzene  | 50    | 50.9   | 102          | 70 (29) | 130 (146) |
| VY1022SBSD01  | VY1022SBSD01 | 1,2-Dichloroethane-d4 | 50    | 56.9   | 114          | 70 (50) | 130 (163) |
|               |              | Dibromofluoromethane  | 50    | 56.0   | 112          | 70 (54) | 130 (147) |
|               |              | Toluene-d8            | 50    | 53.3   | 107          | 70 (58) | 130 (134) |
|               |              | 4-Bromofluorobenzene  | 50    | 53.3   | 107          | 70 (29) | 130 (146) |
| VY1023SBL01   | VY1023SBL01  | 1,2-Dichloroethane-d4 | 50    | 53.8   | 108          | 70 (50) | 130 (163) |
|               |              | Dibromofluoromethane  | 50    | 49.9   | 100          | 70 (54) | 130 (147) |
|               |              | Toluene-d8            | 50    | 50.3   | 101          | 70 (58) | 130 (134) |
|               |              | 4-Bromofluorobenzene  | 50    | 42.0   | 84           | 70 (29) | 130 (146) |
| VY1023SBS01   | VY1023SBS01  | 1,2-Dichloroethane-d4 | 50    | 59.4   | 119          | 70 (50) | 130 (163) |
|               |              | Dibromofluoromethane  | 50    | 57.1   | 114          | 70 (54) | 130 (147) |
|               |              | Toluene-d8            | 50    | 54.6   | 109          | 70 (58) | 130 (134) |
|               |              | 4-Bromofluorobenzene  | 50    | 54.1   | 108          | 70 (29) | 130 (146) |





## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D

Datafile : VY019971.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|-------|-----|-----|------|---------|----------------|-----|
| VY1022SBS01   | Dichlorodifluoromethane        | 20    | 16.5   | ug/Kg | 83  |     |      | 40 (64) | 160 (136)      |     |
|               | Chloromethane                  | 20    | 18.9   | ug/Kg | 95  |     |      | 40 (70) | 160 (130)      |     |
|               | Vinyl chloride                 | 20    | 19.4   | ug/Kg | 97  |     |      | 70 (72) | 130 (129)      |     |
|               | Bromomethane                   | 20    | 20.8   | ug/Kg | 104 |     |      | 40 (58) | 160 (141)      |     |
|               | Chloroethane                   | 20    | 20.0   | ug/Kg | 100 |     |      | 40 (69) | 160 (130)      |     |
|               | Trichlorofluoromethane         | 20    | 19.9   | ug/Kg | 100 |     |      | 40 (69) | 160 (134)      |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (81) | 130 (123)      |     |
|               | 1,1-Dichloroethene             | 20    | 18.2   | ug/Kg | 91  |     |      | 70 (79) | 130 (121)      |     |
|               | Acetone                        | 100   | 110    | ug/Kg | 110 |     |      | 40 (60) | 160 (131)      |     |
|               | Carbon disulfide               | 20    | 13.2   | ug/Kg | 66  |     |      | 40 (45) | 160 (154)      |     |
|               | Methyl tert-butyl Ether        | 20    | 20.9   | ug/Kg | 104 |     |      | 70 (77) | 130 (129)      |     |
|               | Methyl Acetate                 | 20    | 21.1   | ug/Kg | 106 |     |      | 70 (69) | 130 (149)      |     |
|               | Methylene Chloride             | 20    | 21.5   | ug/Kg | 108 |     |      | 70 (56) | 130 (174)      |     |
|               | trans-1,2-Dichloroethene       | 20    | 18.0   | ug/Kg | 90  |     |      | 70 (80) | 130 (123)      |     |
|               | 1,1-Dichloroethane             | 20    | 21.6   | ug/Kg | 108 |     |      | 70 (82) | 130 (123)      |     |
|               | Cyclohexane                    | 20    | 18.0   | ug/Kg | 90  |     |      | 70 (76) | 130 (122)      |     |
|               | 2-Butanone                     | 100   | 110    | ug/Kg | 110 |     |      | 40 (69) | 160 (131)      |     |
|               | Carbon Tetrachloride           | 20    | 19.8   | ug/Kg | 99  |     |      | 70 (76) | 130 (129)      |     |
|               | cis-1,2-Dichloroethene         | 20    | 20.0   | ug/Kg | 100 |     |      | 70 (82) | 130 (123)      |     |
|               | Bromochloromethane             | 20    | 21.6   | ug/Kg | 108 |     |      | 70 (80) | 130 (127)      |     |
|               | Chloroform                     | 20    | 21.9   | ug/Kg | 110 |     |      | 70 (82) | 130 (125)      |     |
|               | 1,1,1-Trichloroethane          | 20    | 20.5   | ug/Kg | 103 |     |      | 70 (80) | 130 (126)      |     |
|               | Methylcyclohexane              | 20    | 17.6   | ug/Kg | 88  |     |      | 70 (77) | 130 (123)      |     |
|               | Benzene                        | 20    | 20.1   | ug/Kg | 101 |     |      | 70 (84) | 130 (121)      |     |
|               | 1,2-Dichloroethane             | 20    | 20.8   | ug/Kg | 104 |     |      | 70 (81) | 130 (126)      |     |
|               | Trichloroethene                | 20    | 19.0   | ug/Kg | 95  |     |      | 70 (83) | 130 (122)      |     |
|               | 1,2-Dichloropropane            | 20    | 21.7   | ug/Kg | 109 |     |      | 70 (83) | 130 (122)      |     |
|               | Bromodichloromethane           | 20    | 21.7   | ug/Kg | 109 |     |      | 70 (82) | 130 (123)      |     |
|               | 4-Methyl-2-Pentanone           | 100   | 110    | ug/Kg | 110 |     |      | 40 (70) | 160 (135)      |     |
|               | Toluene                        | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (83) | 130 (122)      |     |
|               | t-1,3-Dichloropropene          | 20    | 20.2   | ug/Kg | 101 |     |      | 70 (78) | 130 (124)      |     |
|               | cis-1,3-Dichloropropene        | 20    | 19.8   | ug/Kg | 99  |     |      | 70 (81) | 130 (122)      |     |
|               | 1,1,2-Trichloroethane          | 20    | 22.5   | ug/Kg | 113 |     |      | 70 (82) | 130 (125)      |     |
|               | 2-Hexanone                     | 100   | 110    | ug/Kg | 110 |     |      | 40 (66) | 160 (138)      |     |
|               | Dibromochloromethane           | 20    | 20.9   | ug/Kg | 104 |     |      | 70 (79) | 130 (125)      |     |
|               | 1,2-Dibromoethane              | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (80) | 130 (125)      |     |
|               | Tetrachloroethene              | 20    | 18.5   | ug/Kg | 93  |     |      | 70 (83) | 130 (125)      |     |
|               | Chlorobenzene                  | 20    | 20.2   | ug/Kg | 101 |     |      | 70 (84) | 130 (122)      |     |
|               | Ethyl Benzene                  | 20    | 20.0   | ug/Kg | 100 |     |      | 70 (82) | 130 (124)      |     |
|               | m/p-Xylenes                    | 40    | 39.3   | ug/Kg | 98  |     |      | 70 (83) | 130 (124)      |     |
|               | o-Xylene                       | 20    | 19.4   | ug/Kg | 97  |     |      | 70 (83) | 130 (123)      |     |
|               | Styrene                        | 20    | 20.2   | ug/Kg | 101 |     |      | 70 (82) | 130 (124)      |     |
|               | Bromoform                      | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (75) | 130 (127)      |     |
|               | Isopropylbenzene               | 20    | 19.8   | ug/Kg | 99  |     |      | 70 (82) | 130 (124)      |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 22.1   | ug/Kg | 111 |     |      | 70 (77) | 130 (127)      |     |
|               | 1,3-Dichlorobenzene            | 20    | 19.4   | ug/Kg | 97  |     |      | 70 (83) | 130 (122)      |     |
|               | 1,4-Dichlorobenzene            | 20    | 19.7   | ug/Kg | 99  |     |      | 70 (84) | 130 (121)      |     |
|               | 1,2-Dichlorobenzene            | 20    | 20.3   | ug/Kg | 102 |     |      | 70 (83) | 130 (124)      |     |

() = LABORATORY INHOUSE LIMIT

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

**SDG No.:** P4474

**Client:** Yannuzzi Group, Inc.

**Analytical Method:** SW8260D

**Datafile :** VY019971.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|---------|----------------|-----|
| VY1022SBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 20.9   | ug/Kg | 104 |     |      | 40 (66) | 160 (134)      |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 18.1   | ug/Kg | 91  |     |      | 70 (78) | 130 (127)      |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 18.5   | ug/Kg | 93  |     |      | 70 (70) | 130 (137)      |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D

Datafile : VY019972.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits<br>High | RPD     |
|---------------|--------------------------------|-------|--------|-------|-----|-----|------|---------|----------------|---------|
| VY1022SBSD01  | Dichlorodifluoromethane        | 20    | 17.4   | ug/Kg | 87  | 5   |      | 40 (64) | 160 (136)      | 30 (20) |
|               | Chloromethane                  | 20    | 18.4   | ug/Kg | 92  | 3   |      | 40 (70) | 160 (130)      | 30 (20) |
|               | Vinyl chloride                 | 20    | 18.8   | ug/Kg | 94  | 3   |      | 70 (72) | 130 (129)      | 30 (20) |
|               | Bromomethane                   | 20    | 20.5   | ug/Kg | 103 | 1   |      | 40 (58) | 160 (141)      | 30 (20) |
|               | Chloroethane                   | 20    | 20.1   | ug/Kg | 101 | 1   |      | 40 (69) | 160 (130)      | 30 (20) |
|               | Trichlorofluoromethane         | 20    | 19.8   | ug/Kg | 99  | 1   |      | 40 (69) | 160 (134)      | 30 (20) |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 20.2   | ug/Kg | 101 | 1   |      | 70 (81) | 130 (123)      | 30 (20) |
|               | 1,1-Dichloroethene             | 20    | 17.7   | ug/Kg | 89  | 2   |      | 70 (79) | 130 (121)      | 30 (20) |
|               | Acetone                        | 100   | 120    | ug/Kg | 120 | 9   |      | 40 (60) | 160 (131)      | 30 (20) |
|               | Carbon disulfide               | 20    | 13.1   | ug/Kg | 66  | 0   |      | 40 (45) | 160 (154)      | 30 (20) |
|               | Methyl tert-butyl Ether        | 20    | 21.4   | ug/Kg | 107 | 3   |      | 70 (77) | 130 (129)      | 30 (20) |
|               | Methyl Acetate                 | 20    | 22.4   | ug/Kg | 112 | 6   |      | 70 (69) | 130 (149)      | 30 (20) |
|               | Methylene Chloride             | 20    | 21.0   | ug/Kg | 105 | 3   |      | 70 (56) | 130 (174)      | 30 (20) |
|               | trans-1,2-Dichloroethene       | 20    | 18.6   | ug/Kg | 93  | 3   |      | 70 (80) | 130 (123)      | 30 (20) |
|               | 1,1-Dichloroethane             | 20    | 22.1   | ug/Kg | 111 | 3   |      | 70 (82) | 130 (123)      | 30 (20) |
|               | Cyclohexane                    | 20    | 17.3   | ug/Kg | 86  | 5   |      | 70 (76) | 130 (122)      | 30 (20) |
|               | 2-Butanone                     | 100   | 120    | ug/Kg | 120 | 9   |      | 40 (69) | 160 (131)      | 30 (20) |
|               | Carbon Tetrachloride           | 20    | 18.7   | ug/Kg | 94  | 5   |      | 70 (76) | 130 (129)      | 30 (20) |
|               | cis-1,2-Dichloroethene         | 20    | 20.9   | ug/Kg | 104 | 4   |      | 70 (82) | 130 (123)      | 30 (20) |
|               | Bromochloromethane             | 20    | 22.6   | ug/Kg | 113 | 5   |      | 70 (80) | 130 (127)      | 30 (20) |
|               | Chloroform                     | 20    | 22.5   | ug/Kg | 113 | 3   |      | 70 (82) | 130 (125)      | 30 (20) |
|               | 1,1,1-Trichloroethane          | 20    | 20.5   | ug/Kg | 103 | 0   |      | 70 (80) | 130 (126)      | 30 (20) |
|               | Methylcyclohexane              | 20    | 17.4   | ug/Kg | 87  | 1   |      | 70 (77) | 130 (123)      | 30 (20) |
|               | Benzene                        | 20    | 20.2   | ug/Kg | 101 | 0   |      | 70 (84) | 130 (121)      | 30 (20) |
|               | 1,2-Dichloroethane             | 20    | 21.5   | ug/Kg | 108 | 4   |      | 70 (81) | 130 (126)      | 30 (20) |
|               | Trichloroethene                | 20    | 19.4   | ug/Kg | 97  | 2   |      | 70 (83) | 130 (122)      | 30 (20) |
|               | 1,2-Dichloropropane            | 20    | 21.7   | ug/Kg | 109 | 0   |      | 70 (83) | 130 (122)      | 30 (20) |
|               | Bromodichloromethane           | 20    | 21.8   | ug/Kg | 109 | 0   |      | 70 (82) | 130 (123)      | 30 (20) |
|               | 4-Methyl-2-Pentanone           | 100   | 120    | ug/Kg | 120 | 9   |      | 40 (70) | 160 (135)      | 30 (20) |
|               | Toluene                        | 20    | 20.6   | ug/Kg | 103 | 1   |      | 70 (83) | 130 (122)      | 30 (20) |
|               | t-1,3-Dichloropropene          | 20    | 20.2   | ug/Kg | 101 | 0   |      | 70 (78) | 130 (124)      | 30 (20) |
|               | cis-1,3-Dichloropropene        | 20    | 20.5   | ug/Kg | 103 | 4   |      | 70 (81) | 130 (122)      | 30 (20) |
|               | 1,1,2-Trichloroethane          | 20    | 22.1   | ug/Kg | 111 | 2   |      | 70 (82) | 130 (125)      | 30 (20) |
|               | 2-Hexanone                     | 100   | 110    | ug/Kg | 110 | 0   |      | 40 (66) | 160 (138)      | 30 (20) |
|               | Dibromochloromethane           | 20    | 21.2   | ug/Kg | 106 | 2   |      | 70 (79) | 130 (125)      | 30 (20) |
|               | 1,2-Dibromoethane              | 20    | 20.6   | ug/Kg | 103 | 1   |      | 70 (80) | 130 (125)      | 30 (20) |
|               | Tetrachloroethene              | 20    | 18.3   | ug/Kg | 92  | 1   |      | 70 (83) | 130 (125)      | 30 (20) |
|               | Chlorobenzene                  | 20    | 20.2   | ug/Kg | 101 | 0   |      | 70 (84) | 130 (122)      | 30 (20) |
|               | Ethyl Benzene                  | 20    | 20.0   | ug/Kg | 100 | 0   |      | 70 (82) | 130 (124)      | 30 (20) |
|               | m/p-Xylenes                    | 40    | 38.9   | ug/Kg | 97  | 1   |      | 70 (83) | 130 (124)      | 30 (20) |
|               | o-Xylene                       | 20    | 19.7   | ug/Kg | 99  | 2   |      | 70 (83) | 130 (123)      | 30 (20) |
|               | Styrene                        | 20    | 20.4   | ug/Kg | 102 | 1   |      | 70 (82) | 130 (124)      | 30 (20) |
|               | Bromoform                      | 20    | 20.2   | ug/Kg | 101 | 1   |      | 70 (75) | 130 (127)      | 30 (20) |
|               | Isopropylbenzene               | 20    | 20.2   | ug/Kg | 101 | 2   |      | 70 (82) | 130 (124)      | 30 (20) |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 23.3   | ug/Kg | 117 | 5   |      | 70 (77) | 130 (127)      | 30 (20) |
|               | 1,3-Dichlorobenzene            | 20    | 20.3   | ug/Kg | 102 | 5   |      | 70 (83) | 130 (122)      | 30 (20) |
|               | 1,4-Dichlorobenzene            | 20    | 20.5   | ug/Kg | 103 | 4   |      | 70 (84) | 130 (121)      | 30 (20) |
|               | 1,2-Dichlorobenzene            | 20    | 20.6   | ug/Kg | 103 | 1   |      | 70 (83) | 130 (124)      | 30 (20) |

() = LABORATORY INHOUSE LIMIT

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

**SDG No.:** P4474

**Client:** Yannuzzi Group, Inc.

**Analytical Method:** SW8260D

**Datafile :** VY019972.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits<br>High | RPD     |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|---------|----------------|---------|
| VY1022SBSD01  | 1,2-Dibromo-3-Chloropropane | 20    | 21.8   | ug/Kg | 109 | 5   |      | 40 (66) | 160 (134)      | 30 (20) |
|               | 1,2,4-Trichlorobenzene      | 20    | 19.4   | ug/Kg | 97  | 6   |      | 70 (78) | 130 (127)      | 30 (20) |
|               | 1,2,3-Trichlorobenzene      | 20    | 19.0   | ug/Kg | 95  | 2   |      | 70 (70) | 130 (137)      | 30 (20) |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D

Datafile : VY019987.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits High | RPD |
|---------------|--------------------------------|-------|--------|-------|-----|-----|------|---------|-------------|-----|
| VY1023SBS01   | Dichlorodifluoromethane        | 20    | 16.8   | ug/Kg | 84  |     |      | 40 (64) | 160 (136)   |     |
|               | Chloromethane                  | 20    | 18.7   | ug/Kg | 94  |     |      | 40 (70) | 160 (130)   |     |
|               | Vinyl chloride                 | 20    | 19.7   | ug/Kg | 99  |     |      | 70 (72) | 130 (129)   |     |
|               | Bromomethane                   | 20    | 21.3   | ug/Kg | 106 |     |      | 40 (58) | 160 (141)   |     |
|               | Chloroethane                   | 20    | 21.6   | ug/Kg | 108 |     |      | 40 (69) | 160 (130)   |     |
|               | Trichlorofluoromethane         | 20    | 21.1   | ug/Kg | 106 |     |      | 40 (69) | 160 (134)   |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 21.7   | ug/Kg | 109 |     |      | 70 (81) | 130 (123)   |     |
|               | 1,1-Dichloroethene             | 20    | 19.5   | ug/Kg | 98  |     |      | 70 (79) | 130 (121)   |     |
|               | Acetone                        | 100   | 110    | ug/Kg | 110 |     |      | 40 (60) | 160 (131)   |     |
|               | Carbon disulfide               | 20    | 14.0   | ug/Kg | 70  |     |      | 40 (45) | 160 (154)   |     |
|               | Methyl tert-butyl Ether        | 20    | 22.6   | ug/Kg | 113 |     |      | 70 (77) | 130 (129)   |     |
|               | Methyl Acetate                 | 20    | 22.5   | ug/Kg | 113 |     |      | 70 (69) | 130 (149)   |     |
|               | Methylene Chloride             | 20    | 20.9   | ug/Kg | 104 |     |      | 70 (56) | 130 (174)   |     |
|               | trans-1,2-Dichloroethene       | 20    | 19.8   | ug/Kg | 99  |     |      | 70 (80) | 130 (123)   |     |
|               | 1,1-Dichloroethane             | 20    | 22.5   | ug/Kg | 113 |     |      | 70 (82) | 130 (123)   |     |
|               | Cyclohexane                    | 20    | 19.1   | ug/Kg | 96  |     |      | 70 (76) | 130 (122)   |     |
|               | 2-Butanone                     | 100   | 120    | ug/Kg | 120 |     |      | 40 (69) | 160 (131)   |     |
|               | Carbon Tetrachloride           | 20    | 20.0   | ug/Kg | 100 |     |      | 70 (76) | 130 (129)   |     |
|               | cis-1,2-Dichloroethene         | 20    | 21.7   | ug/Kg | 109 |     |      | 70 (82) | 130 (123)   |     |
|               | Bromochloromethane             | 20    | 22.9   | ug/Kg | 115 |     |      | 70 (80) | 130 (127)   |     |
|               | Chloroform                     | 20    | 23.8   | ug/Kg | 119 |     |      | 70 (82) | 130 (125)   |     |
|               | 1,1,1-Trichloroethane          | 20    | 22.6   | ug/Kg | 113 |     |      | 70 (80) | 130 (126)   |     |
|               | Methylcyclohexane              | 20    | 18.0   | ug/Kg | 90  |     |      | 70 (77) | 130 (123)   |     |
|               | Benzene                        | 20    | 20.1   | ug/Kg | 101 |     |      | 70 (84) | 130 (121)   |     |
|               | 1,2-Dichloroethane             | 20    | 22.0   | ug/Kg | 110 |     |      | 70 (81) | 130 (126)   |     |
|               | Trichloroethene                | 20    | 19.4   | ug/Kg | 97  |     |      | 70 (83) | 130 (122)   |     |
|               | 1,2-Dichloropropane            | 20    | 21.4   | ug/Kg | 107 |     |      | 70 (83) | 130 (122)   |     |
|               | Bromodichloromethane           | 20    | 21.8   | ug/Kg | 109 |     |      | 70 (82) | 130 (123)   |     |
|               | 4-Methyl-2-Pentanone           | 100   | 110    | ug/Kg | 110 |     |      | 40 (70) | 160 (135)   |     |
|               | Toluene                        | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (83) | 130 (122)   |     |
|               | t-1,3-Dichloropropene          | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (78) | 130 (124)   |     |
|               | cis-1,3-Dichloropropene        | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (81) | 130 (122)   |     |
|               | 1,1,2-Trichloroethane          | 20    | 22.5   | ug/Kg | 113 |     |      | 70 (82) | 130 (125)   |     |
|               | 2-Hexanone                     | 100   | 110    | ug/Kg | 110 |     |      | 40 (66) | 160 (138)   |     |
|               | Dibromochloromethane           | 20    | 21.0   | ug/Kg | 105 |     |      | 70 (79) | 130 (125)   |     |
|               | 1,2-Dibromoethane              | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (80) | 130 (125)   |     |
|               | Tetrachloroethene              | 20    | 18.4   | ug/Kg | 92  |     |      | 70 (83) | 130 (125)   |     |
|               | Chlorobenzene                  | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (84) | 130 (122)   |     |
|               | Ethyl Benzene                  | 20    | 20.5   | ug/Kg | 103 |     |      | 70 (82) | 130 (124)   |     |
|               | m/p-Xylenes                    | 40    | 40.5   | ug/Kg | 101 |     |      | 70 (83) | 130 (124)   |     |
|               | o-Xylene                       | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (83) | 130 (123)   |     |
|               | Styrene                        | 20    | 20.8   | ug/Kg | 104 |     |      | 70 (82) | 130 (124)   |     |
|               | Bromoform                      | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (75) | 130 (127)   |     |
|               | Isopropylbenzene               | 20    | 21.6   | ug/Kg | 108 |     |      | 70 (82) | 130 (124)   |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 23.1   | ug/Kg | 116 |     |      | 70 (77) | 130 (127)   |     |
|               | 1,3-Dichlorobenzene            | 20    | 21.2   | ug/Kg | 106 |     |      | 70 (83) | 130 (122)   |     |
|               | 1,4-Dichlorobenzene            | 20    | 21.3   | ug/Kg | 106 |     |      | 70 (84) | 130 (121)   |     |
|               | 1,2-Dichlorobenzene            | 20    | 21.1   | ug/Kg | 106 |     |      | 70 (83) | 130 (124)   |     |

() = LABORATORY INHOUSE LIMIT

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

**SDG No.:** P4474

**Client:** Yannuzzi Group, Inc.

**Analytical Method:** SW8260D

**Datafile :** VY019987.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|---------|----------------|-----|
| VY1023SBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 20.5   | ug/Kg | 103 |     |      | 40 (66) | 160 (134)      |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 19.3   | ug/Kg | 97  |     |      | 70 (78) | 130 (127)      |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 19.1   | ug/Kg | 96  |     |      | 70 (70) | 130 (137)      |     |

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1022SBL01

Lab Name: CHEMTECH

Contract: YANN01

Lab Code: CHEM Case No.: P4474

SAS No.: P4474 SDG NO.: P4474

Lab File ID: VY019970.D

Lab Sample ID: VY1022SBL01

Date Analyzed: 10/22/2024

Time Analyzed: 10:36

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA\_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| VY1022SBS01       | VY1022SBS01      | VY019971.D     | 10/22/2024       |
| VY1022SBSD01      | VY1022SBSD01     | VY019972.D     | 10/22/2024       |
| TS-2              | P4474-01         | VY019982.D     | 10/22/2024       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1023SBL01

Lab Name: CHEMTECH

Contract: YANN01

Lab Code: CHEM Case No.: P4474

SAS No.: P4474 SDG NO.: P4474

Lab File ID: VY019986.D

Lab Sample ID: VY1023SBL01

Date Analyzed: 10/23/2024

Time Analyzed: 11:35

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA\_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| VY1023SBS01       | VY1023SBS01      | VY019987.D     | 10/23/2024       |
| TS-2RE            | P4474-01RE       | VY019996.D     | 10/23/2024       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: YANN01  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474  
Lab File ID: VY019826.D BFB Injection Date: 10/09/2024  
Instrument ID: MSVOA\_Y BFB Injection Time: 09:33  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 22.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 56                   |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.3                  |
| 173 | Less than 2.0% of mass 174         | 0.9 ( 1.1 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 76.9                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.6 ( 7.3 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 73.9 ( 96.2 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.8 ( 6.5 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC005         | VSTDIC005        | VY019827.D     | 10/09/2024       | 10:18            |
| VSTDIC010         | VSTDIC010        | VY019828.D     | 10/09/2024       | 10:41            |
| VSTDIC020         | VSTDIC020        | VY019829.D     | 10/09/2024       | 11:04            |
| VSTDIC050         | VSTDIC050        | VY019830.D     | 10/09/2024       | 11:26            |
| VSTDIC100         | VSTDIC100        | VY019831.D     | 10/09/2024       | 11:49            |
| VSTDIC150         | VSTDIC150        | VY019832.D     | 10/09/2024       | 12:11            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: YANN01  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474  
Lab File ID: VY019968.D BFB Injection Date: 10/22/2024  
Instrument ID: MSVOA\_Y BFB Injection Time: 08:49  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 24.6                 |
| 75  | 30.0 - 60.0% of mass 95            | 58.5                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.4                  |
| 173 | Less than 2.0% of mass 174         | 0.9 ( 1.3 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 74.3                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.1 ( 8.2 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 73 ( 98.3 ) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 4.6 ( 6.3 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050        | VSTDCCC050       | VY019969.D     | 10/22/2024       | 10:01            |
| VY1022SBL01       | VY1022SBL01      | VY019970.D     | 10/22/2024       | 10:36            |
| VY1022SBS01       | VY1022SBS01      | VY019971.D     | 10/22/2024       | 11:16            |
| VY1022SBSD01      | VY1022SBSD01     | VY019972.D     | 10/22/2024       | 11:38            |
| TS-2              | P4474-01         | VY019982.D     | 10/22/2024       | 16:21            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: YANN01  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474  
Lab File ID: VY019984.D BFB Injection Date: 10/23/2024  
Instrument ID: MSVOA\_Y BFB Injection Time: 08:51  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 24.9                 |
| 75  | 30.0 - 60.0% of mass 95            | 58.7                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.8                  |
| 173 | Less than 2.0% of mass 174         | 1 ( 1.5 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 70                   |
| 175 | 5.0 - 9.0% of mass 174             | 5.4 ( 7.8 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 68.4 ( 97.6 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.5 ( 6.5 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050        | VSTDCCC050       | VY019985.D     | 10/23/2024       | 10:58            |
| VY1023SBL01       | VY1023SBL01      | VY019986.D     | 10/23/2024       | 11:35            |
| VY1023SBS01       | VY1023SBS01      | VY019987.D     | 10/23/2024       | 12:20            |
| TS-2RE            | P4474-01RE       | VY019996.D     | 10/23/2024       | 15:56            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: YANN01  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474  
Lab File ID: VY019969.D Date Analyzed: 10/22/2024  
Instrument ID: MSVOA\_Y Time Analyzed: 10:01  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|----------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD    | 226762        | 7.71  | 399552        | 8.62  | 348429        | 11.41  |
| UPPER LIMIT    | 453524        | 8.213 | 799104        | 9.116 | 696858        | 11.914 |
| LOWER LIMIT    | 113381        | 7.213 | 199776        | 8.116 | 174215        | 10.914 |
| EPA SAMPLE NO. |               |       |               |       |               |        |
| TS-2           | 66069 *       | 7.71  | 117722 *      | 8.62  | 84884 *       | 11.41  |
| VY1022SBL01    | 219150        | 7.71  | 450425        | 8.62  | 395647        | 11.41  |
| VY1022SBS01    | 215657        | 7.71  | 379714        | 8.62  | 332435        | 11.41  |
| VY1022SBSD01   | 222995        | 7.71  | 399190        | 8.61  | 345246        | 11.41  |

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: YANN01  
 Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474  
 Lab File ID: VY019969.D Date Analyzed: 10/22/2024  
 Instrument ID: MSVOA\_Y Time Analyzed: 10:01  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------|---------------|--------|--|--|--|--|
| 12 HOUR STD    | 173474        | 13.347 |  |  |  |  |
| UPPER LIMIT    | 346948        | 13.847 |  |  |  |  |
| LOWER LIMIT    | 86737         | 12.847 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| TS-2           | 24152 *       | 13.35  |  |  |  |  |
| VY1022SBL01    | 132931        | 13.35  |  |  |  |  |
| VY1022SBS01    | 160914        | 13.35  |  |  |  |  |
| VY1022SBSD01   | 163027        | 13.35  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = -50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: YANN01  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474  
Lab File ID: VY019985.D Date Analyzed: 10/23/2024  
Instrument ID: MSVOA\_Y Time Analyzed: 10:58  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|----------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD    | 247993        | 7.71  | 444115        | 8.62  | 376691        | 11.41  |
| UPPER LIMIT    | 495986        | 8.213 | 888230        | 9.116 | 753382        | 11.914 |
| LOWER LIMIT    | 123997        | 7.213 | 222058        | 8.116 | 188346        | 10.914 |
| EPA SAMPLE NO. |               |       |               |       |               |        |
| TS-2RE         | 107535 *      | 7.71  | 209518 *      | 8.62  | 167997 *      | 11.41  |
| VY1023SBL01    | 239192        | 7.71  | 486232        | 8.62  | 427644        | 11.41  |
| VY1023SBS01    | 228334        | 7.71  | 420481        | 8.62  | 359220        | 11.41  |

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: YANN01  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474  
Lab File ID: VY019985.D Date Analyzed: 10/23/2024  
Instrument ID: MSVOA\_Y Time Analyzed: 10:58  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------|---------------|--------|--|--|--|--|
| 12 HOUR STD    | 183428        | 13.346 |  |  |  |  |
| UPPER LIMIT    | 366856        | 13.846 |  |  |  |  |
| LOWER LIMIT    | 91714         | 12.846 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| TS-2RE         | 51192 *       | 13.35  |  |  |  |  |
| VY1023SBL01    | 145538        | 13.35  |  |  |  |  |
| VY1023SBS01    | 165743        | 13.35  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.



# QC SAMPLE DATA



## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1022SBL01                      |           | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1022SBL01                      |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019970.D        | 1         |           | 10/22/24 10:36 | VY102224      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 1.70  | U         | 1.70 | 5.00       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 1.20  | U         | 1.20 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 0.77  | U         | 0.77 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 1.00  | U         | 1.00 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 1.00  | U         | 1.00 | 5.00       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 0.91  | U         | 0.91 | 5.00       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                        | 6.20  | U         | 6.20 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 1.30  | U         | 1.30 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.67  | U         | 0.67 | 5.00       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 1.80  | U         | 1.80 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 3.40  | U         | 3.40 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.84  | U         | 0.84 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 0.63  | U         | 0.63 | 5.00       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 0.69  | U         | 0.69 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 5.70  | U         | 5.70 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 0.87  | U         | 0.87 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.61  | U         | 0.61 | 5.00       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 2.40  | U         | 2.40 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform                     | 0.67  | U         | 0.67 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 0.87  | U         | 0.87 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                        | 0.72  | U         | 0.72 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 0.61  | U         | 0.61 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.75 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 0.66  | U         | 0.66 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 0.56  | U         | 0.56 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 4.40  | U         | 4.40 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                        | 0.67  | U         | 0.67 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1022SBL01                      |           | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1022SBL01                      |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019970.D        | 1         |           | 10/22/24 10:36 | VY102224      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.60   | U         | 0.60                | 5.00       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.57   | U         | 0.57                | 5.00       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.84   | U         | 0.84                | 5.00       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 4.80   | U         | 4.80                | 25.0       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 0.65   | U         | 0.65                | 5.00       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 0.79   | U         | 0.79                | 5.00       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 0.89   | U         | 0.89                | 5.00       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 0.74   | U         | 0.74                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 0.62   | U         | 0.62                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 1.40   | U         | 1.40                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 0.70   | U         | 0.70                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                     | 0.60   | U         | 0.60                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 0.81   | U         | 0.81                | 5.00       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 0.67   | U         | 0.67                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 1.10   | U         | 1.10                | 5.00       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.74   | U         | 0.74                | 5.00       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.80   | U         | 0.80                | 5.00       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.59   | U         | 0.59                | 5.00       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 1.60   | U         | 1.60                | 5.00       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.79   | U         | 0.79                | 5.00       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.78   | U         | 0.78                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 55.8   |           | 70 (50) - 130 (163) | 112%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 48.9   |           | 70 (54) - 130 (147) | 98%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 50.6   |           | 70 (58) - 130 (134) | 101%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 40.3   |           | 70 (29) - 130 (146) | 81%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 219000 | 7.713     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 450000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 396000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 133000 | 13.347    |                     |            |                   |

## Report of Analysis

|                    |                                  |                 |               |
|--------------------|----------------------------------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  |               |
| Client Sample ID:  | VY1022SBL01                      | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1022SBL01                      | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5 Units: g                       | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  | uL                               | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624 ID : 0.25                | Level :         | LOW           |
| Prep Method :      |                                  |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019970.D        | 1         |           | 10/22/24 10:36 | VY102224      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1023SBL01                      |           | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1023SBL01                      |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019986.D        | 1         |           | 10/23/24 11:35 | VY102324      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 1.70  | U         | 1.70 | 5.00       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 1.20  | U         | 1.20 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 0.77  | U         | 0.77 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 1.00  | U         | 1.00 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 1.00  | U         | 1.00 | 5.00       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 0.91  | U         | 0.91 | 5.00       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                        | 6.20  | U         | 6.20 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 1.30  | U         | 1.30 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.67  | U         | 0.67 | 5.00       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 1.80  | U         | 1.80 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 3.40  | U         | 3.40 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.84  | U         | 0.84 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 0.63  | U         | 0.63 | 5.00       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 0.69  | U         | 0.69 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 5.70  | U         | 5.70 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 0.87  | U         | 0.87 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.61  | U         | 0.61 | 5.00       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 2.40  | U         | 2.40 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform                     | 0.67  | U         | 0.67 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 0.87  | U         | 0.87 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                        | 0.72  | U         | 0.72 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 0.61  | U         | 0.61 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.75 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 0.66  | U         | 0.66 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 0.56  | U         | 0.56 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 4.40  | U         | 4.40 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                        | 0.67  | U         | 0.67 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1023SBL01                      |           | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1023SBL01                      |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019986.D        | 1         |           | 10/23/24 11:35 | VY102324      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.60   | U         | 0.60                | 5.00       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.57   | U         | 0.57                | 5.00       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.84   | U         | 0.84                | 5.00       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 4.80   | U         | 4.80                | 25.0       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 0.65   | U         | 0.65                | 5.00       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 0.79   | U         | 0.79                | 5.00       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 0.89   | U         | 0.89                | 5.00       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 0.74   | U         | 0.74                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 0.62   | U         | 0.62                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 1.40   | U         | 1.40                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 0.70   | U         | 0.70                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                     | 0.60   | U         | 0.60                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 0.81   | U         | 0.81                | 5.00       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 0.67   | U         | 0.67                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 1.10   | U         | 1.10                | 5.00       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.74   | U         | 0.74                | 5.00       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.80   | U         | 0.80                | 5.00       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.59   | U         | 0.59                | 5.00       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 1.60   | U         | 1.60                | 5.00       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.79   | U         | 0.79                | 5.00       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.78   | U         | 0.78                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 53.8   |           | 70 (50) - 130 (163) | 108%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 49.9   |           | 70 (54) - 130 (147) | 100%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 50.3   |           | 70 (58) - 130 (134) | 101%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 42.0   |           | 70 (29) - 130 (146) | 84%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 239000 | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 486000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 428000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 146000 | 13.347    |                     |            |                   |

## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1023SBL01                      |           | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1023SBL01                      |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019986.D        | 1         |           | 10/23/24 11:35 | VY102324      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1022SBS01                      |           | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1022SBS01                      |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019971.D        | 1         |           | 10/22/24 11:16 | VY102224      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 16.5  |           | 1.70 | 5.00       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 18.9  |           | 1.20 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 19.4  |           | 0.77 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 20.8  |           | 1.00 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 20.0  |           | 1.00 | 5.00       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 19.9  |           | 0.91 | 5.00       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 20.4  |           | 1.10 | 5.00       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 18.2  |           | 0.78 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                        | 110   |           | 6.20 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 13.2  |           | 1.30 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 20.9  |           | 0.67 | 5.00       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 21.1  |           | 1.80 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 21.5  |           | 3.40 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 18.0  |           | 0.84 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 21.6  |           | 0.63 | 5.00       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 18.0  |           | 0.69 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 110   |           | 5.70 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 19.8  |           | 0.87 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 20.0  |           | 0.61 | 5.00       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 21.6  |           | 2.40 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform                     | 21.9  |           | 0.67 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 20.5  |           | 0.78 | 5.00       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 17.6  |           | 0.87 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                        | 20.1  |           | 0.72 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 20.8  |           | 0.61 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 19.0  |           | 0.75 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 21.7  |           | 0.66 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 21.7  |           | 0.56 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 110   |           | 4.40 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                        | 20.4  |           | 0.67 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1022SBS01                      |           | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1022SBS01                      |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019971.D        | 1         |           | 10/22/24 11:16 | VY102224      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 20.2   |           | 0.60                | 5.00       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 19.8   |           | 0.57                | 5.00       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 22.5   |           | 0.84                | 5.00       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 110    |           | 4.80                | 25.0       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 20.9   |           | 0.65                | 5.00       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 20.4   |           | 0.79                | 5.00       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 18.5   |           | 0.89                | 5.00       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 20.2   |           | 0.74                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 20.0   |           | 0.62                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 39.3   |           | 1.40                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 19.4   |           | 0.70                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                     | 20.2   |           | 0.60                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 20.4   |           | 0.81                | 5.00       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 19.8   |           | 0.67                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 22.1   |           | 1.10                | 5.00       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 19.4   |           | 0.74                | 5.00       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 19.7   |           | 0.80                | 5.00       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 20.3   |           | 0.59                | 5.00       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 20.9   |           | 1.60                | 5.00       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 18.1   |           | 0.79                | 5.00       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 18.5   |           | 0.78                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 53.2   |           | 70 (50) - 130 (163) | 106%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 53.1   |           | 70 (54) - 130 (147) | 106%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 51.4   |           | 70 (58) - 130 (134) | 103%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 50.9   |           | 70 (29) - 130 (146) | 102%       | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 216000 | 7.713     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 380000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 332000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 161000 | 13.347    |                     |            |                   |



## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1022SBS01                      |           | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1022SBS01                      |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019971.D        | 1         |           | 10/22/24 11:16 | VY102224      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1023SBS01                      |           | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1023SBS01                      |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019987.D        | 1         |           | 10/23/24 12:20 | VY102324      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 16.8  |           | 1.70 | 5.00       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 18.7  |           | 1.20 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 19.7  |           | 0.77 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 21.3  |           | 1.00 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 21.6  |           | 1.00 | 5.00       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 21.1  |           | 0.91 | 5.00       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 21.7  |           | 1.10 | 5.00       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 19.5  |           | 0.78 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                        | 110   |           | 6.20 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 14.0  |           | 1.30 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 22.6  |           | 0.67 | 5.00       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 22.5  |           | 1.80 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 20.9  |           | 3.40 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 19.8  |           | 0.84 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 22.5  |           | 0.63 | 5.00       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 19.1  |           | 0.69 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 120   |           | 5.70 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 20.0  |           | 0.87 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 21.7  |           | 0.61 | 5.00       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 22.9  |           | 2.40 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform                     | 23.8  |           | 0.67 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 22.6  |           | 0.78 | 5.00       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 18.0  |           | 0.87 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                        | 20.1  |           | 0.72 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 22.0  |           | 0.61 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 19.4  |           | 0.75 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 21.4  |           | 0.66 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 21.8  |           | 0.56 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 110   |           | 4.40 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                        | 20.4  |           | 0.67 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1023SBS01                      |           | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1023SBS01                      |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019987.D        | 1         |           | 10/23/24 12:20 | VY102324      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 20.6   |           | 0.60                | 5.00       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 20.4   |           | 0.57                | 5.00       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 22.5   |           | 0.84                | 5.00       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 110    |           | 4.80                | 25.0       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 21.0   |           | 0.65                | 5.00       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 20.6   |           | 0.79                | 5.00       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 18.4   |           | 0.89                | 5.00       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 20.6   |           | 0.74                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 20.5   |           | 0.62                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 40.5   |           | 1.40                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 20.6   |           | 0.70                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                     | 20.8   |           | 0.60                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 20.4   |           | 0.81                | 5.00       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 21.6   |           | 0.67                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 23.1   |           | 1.10                | 5.00       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 21.2   |           | 0.74                | 5.00       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 21.3   |           | 0.80                | 5.00       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 21.1   |           | 0.59                | 5.00       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 20.5   |           | 1.60                | 5.00       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 19.3   |           | 0.79                | 5.00       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 19.1   |           | 0.78                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 59.4   |           | 70 (50) - 130 (163) | 119%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 57.1   |           | 70 (54) - 130 (147) | 114%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 54.6   |           | 70 (58) - 130 (134) | 109%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 54.1   |           | 70 (29) - 130 (146) | 108%       | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 228000 | 7.713     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 420000 | 8.615     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 359000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 166000 | 13.346    |                     |            |                   |

## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1023SBS01                      |           | SDG No.:        | P4474         |
| Lab Sample ID:     | VY1023SBS01                      |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260                           |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019987.D        | 1         |           | 10/23/24 12:20 | VY102324      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1022SBSD01                     | SDG No.:  | P4474           |               |
| Lab Sample ID:     | VY1022SBSD01                     | Matrix:   | SOIL            |               |
| Analytical Method: | SW8260                           | % Solid:  | 100             |               |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019972.D        | 1         |           | 10/22/24 11:38 | VY102224      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 17.4  |           | 1.70 | 5.00       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 18.4  |           | 1.20 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 18.8  |           | 0.77 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 20.5  |           | 1.00 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 20.1  |           | 1.00 | 5.00       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 19.8  |           | 0.91 | 5.00       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 20.2  |           | 1.10 | 5.00       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 17.7  |           | 0.78 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                        | 120   |           | 6.20 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 13.1  |           | 1.30 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 21.4  |           | 0.67 | 5.00       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 22.4  |           | 1.80 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 21.0  |           | 3.40 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 18.6  |           | 0.84 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 22.1  |           | 0.63 | 5.00       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 17.3  |           | 0.69 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 120   |           | 5.70 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 18.7  |           | 0.87 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 20.9  |           | 0.61 | 5.00       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 22.6  |           | 2.40 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform                     | 22.5  |           | 0.67 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 20.5  |           | 0.78 | 5.00       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 17.4  |           | 0.87 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                        | 20.2  |           | 0.72 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 21.5  |           | 0.61 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 19.4  |           | 0.75 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 21.7  |           | 0.66 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 21.8  |           | 0.56 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 120   |           | 4.40 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                        | 20.6  |           | 0.67 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                                  |           |                 |               |
|--------------------|----------------------------------|-----------|-----------------|---------------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected: |               |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:  |               |
| Client Sample ID:  | VY1022SBSD01                     | SDG No.:  | P4474           |               |
| Lab Sample ID:     | VY1022SBSD01                     | Matrix:   | SOIL            |               |
| Analytical Method: | SW8260                           | % Solid:  | 100             |               |
| Sample Wt/Vol:     | 5                                | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                  | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624                          | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                                  |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY019972.D        | 1         |           | 10/22/24 11:38 | VY102224      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 20.2   |           | 0.60                | 5.00       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 20.5   |           | 0.57                | 5.00       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 22.1   |           | 0.84                | 5.00       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 110    |           | 4.80                | 25.0       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 21.2   |           | 0.65                | 5.00       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 20.6   |           | 0.79                | 5.00       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 18.3   |           | 0.89                | 5.00       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 20.2   |           | 0.74                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 20.0   |           | 0.62                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 38.9   |           | 1.40                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 19.7   |           | 0.70                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                     | 20.4   |           | 0.60                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 20.2   |           | 0.81                | 5.00       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 20.2   |           | 0.67                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 23.3   |           | 1.10                | 5.00       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 20.3   |           | 0.74                | 5.00       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 20.5   |           | 0.80                | 5.00       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 20.6   |           | 0.59                | 5.00       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 21.8   |           | 1.60                | 5.00       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 19.4   |           | 0.79                | 5.00       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 19.0   |           | 0.78                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 56.8   |           | 70 (50) - 130 (163) | 114%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 56.1   |           | 70 (54) - 130 (147) | 112%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 53.3   |           | 70 (58) - 130 (134) | 107%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 53.3   |           | 70 (29) - 130 (146) | 107%       | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 223000 | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 399000 | 8.609     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 345000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 163000 | 13.346    |                     |            |                   |





# CALIBRATION SUMMARY



### VOLATILE ORGANICS INITIAL CALIBRATION DATA

|                     |                  |                      |                   |
|---------------------|------------------|----------------------|-------------------|
| Lab Name:           | <u>CHEMTECH</u>  | Contract:            | <u>YANN01</u>     |
| Lab Code:           | <u>CHEM</u>      | Case No.:            | <u>P4474</u>      |
| Instrument ID:      | <u>MSVOA_Y</u>   | SAS No.:             | <u>P4474</u>      |
| Heated Purge: (Y/N) | <u>Y</u>         | SDG No.:             | <u>P4474</u>      |
| GC Column:          | <u>RXI-624</u>   | Calibration Date(s): | <u>10/09/2024</u> |
| ID:                 | <u>0.25 (mm)</u> | Calibration Time(s): | <u>10:18</u>      |
|                     |                  |                      | <u>12:11</u>      |

| LAB FILE ID:                   | RRF005 = VY019827.D | RRF010 = VY019828.D | RRF020 = VY019829.D |        |        |        |       |       |
|--------------------------------|---------------------|---------------------|---------------------|--------|--------|--------|-------|-------|
|                                | RRF050 = VY019830.D | RRF100 = VY019831.D | RRF150 = VY019832.D |        |        |        |       |       |
| COMPOUND                       | RRF005              | RRF010              | RRF020              | RRF050 | RRF100 | RRF150 | RRF   | % RSD |
| Dichlorodifluoromethane        | 0.500               | 0.498               | 0.410               | 0.458  | 0.434  | 0.492  | 0.465 | 8.1   |
| Chloromethane                  | 0.643               | 0.637               | 0.517               | 0.616  | 0.550  | 0.671  | 0.606 | 9.8   |
| Vinyl Chloride                 | 0.707               | 0.685               | 0.579               | 0.688  | 0.624  | 0.716  | 0.667 | 8     |
| Bromomethane                   | 0.458               | 0.447               | 0.357               | 0.433  | 0.390  | 0.447  | 0.422 | 9.4   |
| Chloroethane                   | 0.493               | 0.469               | 0.390               | 0.456  | 0.408  | 0.472  | 0.448 | 8.9   |
| Trichlorofluoromethane         | 1.101               | 1.016               | 0.868               | 1.000  | 0.915  | 1.051  | 0.992 | 8.7   |
| 1,1,2-Trichlorotrifluoroethane | 0.619               | 0.611               | 0.509               | 0.581  | 0.535  | 0.606  | 0.577 | 7.8   |
| 1,1-Dichloroethene             | 0.588               | 0.558               | 0.453               | 0.550  | 0.499  | 0.570  | 0.536 | 9.4   |
| Acetone                        | 0.196               | 0.156               | 0.134               | 0.170  | 0.152  | 0.153  | 0.160 | 12.9  |
| Carbon Disulfide               | 1.501               | 1.392               | 1.193               | 1.552  | 1.404  | 1.586  | 1.438 | 10    |
| Methyl tert-butyl Ether        | 1.719               | 1.559               | 1.334               | 1.574  | 1.443  | 1.617  | 1.541 | 8.8   |
| Methyl Acetate                 | 0.393               | 0.334               | 0.301               | 0.350  | 0.321  | 0.372  | 0.345 | 9.7   |
| Methylene Chloride             | 0.869               | 0.695               | 0.551               | 0.619  | 0.543  | 0.603  | 0.647 | 18.9  |
| trans-1,2-Dichloroethene       | 0.630               | 0.597               | 0.511               | 0.605  | 0.547  | 0.612  | 0.584 | 7.7   |
| 1,1-Dichloroethane             | 1.288               | 1.219               | 1.025               | 1.202  | 1.084  | 1.214  | 1.172 | 8.3   |
| Cyclohexane                    | 1.262               | 1.098               | 0.863               | 1.009  | 0.915  | 1.024  | 1.029 | 13.8  |
| 2-Butanone                     | 0.251               | 0.217               | 0.186               | 0.222  | 0.201  | 0.211  | 0.215 | 10.2  |
| Carbon Tetrachloride           | 0.525               | 0.505               | 0.446               | 0.527  | 0.495  | 0.559  | 0.510 | 7.5   |
| cis-1,2-Dichloroethene         | 0.777               | 0.766               | 0.628               | 0.740  | 0.669  | 0.749  | 0.721 | 8.2   |
| Bromochloromethane             | 0.607               | 0.470               | 0.502               | 0.529  | 0.483  | 0.504  | 0.516 | 9.5   |
| Chloroform                     | 1.318               | 1.238               | 1.055               | 1.225  | 1.102  | 1.229  | 1.195 | 8.1   |
| 1,1,1-Trichloroethane          | 1.118               | 1.091               | 0.915               | 1.067  | 0.978  | 1.112  | 1.047 | 7.9   |
| Methylcyclohexane              | 0.629               | 0.584               | 0.512               | 0.629  | 0.581  | 0.658  | 0.599 | 8.6   |
| Benzene                        | 1.512               | 1.474               | 1.283               | 1.488  | 1.361  | 1.514  | 1.439 | 6.6   |
| 1,2-Dichloroethane             | 0.448               | 0.399               | 0.368               | 0.430  | 0.398  | 0.436  | 0.413 | 7.3   |
| Trichloroethene                | 0.381               | 0.340               | 0.300               | 0.366  | 0.333  | 0.370  | 0.348 | 8.7   |
| 1,2-Dichloropropane            | 0.390               | 0.375               | 0.322               | 0.366  | 0.337  | 0.371  | 0.360 | 7.1   |
| Bromodichloromethane           | 0.549               | 0.524               | 0.456               | 0.543  | 0.501  | 0.560  | 0.522 | 7.4   |
| 4-Methyl-2-Pentanone           | 0.281               | 0.247               | 0.220               | 0.269  | 0.254  | 0.275  | 0.258 | 8.7   |
| Toluene                        | 0.930               | 0.892               | 0.800               | 0.940  | 0.866  | 0.960  | 0.898 | 6.5   |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

|                     |                  |                      |                   |
|---------------------|------------------|----------------------|-------------------|
| Lab Name:           | <u>CHEMTECH</u>  | Contract:            | <u>YANN01</u>     |
| Lab Code:           | <u>CHEM</u>      | Case No.:            | <u>P4474</u>      |
| Instrument ID:      | <u>MSVOA_Y</u>   | SAS No.:             | <u>P4474</u>      |
| Heated Purge: (Y/N) | <u>Y</u>         | SDG No.:             | <u>P4474</u>      |
| GC Column:          | <u>RXI-624</u>   | Calibration Date(s): | <u>10/09/2024</u> |
| ID:                 | <u>0.25 (mm)</u> | Calibration Time(s): | <u>10:18</u>      |
|                     |                  |                      | <u>12:11</u>      |

|                             |        |                     |        |                     |        |                     |       |       |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:                |        | RRF005 = VY019827.D |        | RRF010 = VY019828.D |        | RRF020 = VY019829.D |       |       |
|                             |        | RRF050 = VY019830.D |        | RRF100 = VY019831.D |        | RRF150 = VY019832.D |       |       |
| COMPOUND                    | RRF005 | RRF010              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |
| t-1,3-Dichloropropene       | 0.477  | 0.448               | 0.408  | 0.497               | 0.464  | 0.524               | 0.470 | 8.6   |
| cis-1,3-Dichloropropene     | 0.577  | 0.537               | 0.489  | 0.579               | 0.542  | 0.603               | 0.554 | 7.3   |
| 1,1,2-Trichloroethane       | 0.280  | 0.257               | 0.230  | 0.269               | 0.248  | 0.271               | 0.259 | 6.9   |
| 2-Hexanone                  | 0.193  | 0.173               | 0.160  | 0.197               | 0.185  | 0.197               | 0.184 | 8.1   |
| Dibromochloromethane        | 0.348  | 0.317               | 0.294  | 0.344               | 0.328  | 0.364               | 0.333 | 7.5   |
| 1,2-Dibromoethane           | 0.244  | 0.234               | 0.207  | 0.246               | 0.226  | 0.248               | 0.234 | 6.7   |
| Tetrachloroethene           | 0.379  | 0.366               | 0.316  | 0.368               | 0.328  | 0.377               | 0.356 | 7.6   |
| Chlorobenzene               | 1.226  | 1.167               | 1.032  | 1.171               | 1.064  | 1.202               | 1.144 | 6.8   |
| Ethyl Benzene               | 2.177  | 2.100               | 1.861  | 2.164               | 1.953  | 2.209               | 2.077 | 6.7   |
| m/p-Xylenes                 | 0.802  | 0.781               | 0.691  | 0.796               | 0.720  | 0.813               | 0.767 | 6.5   |
| o-Xylene                    | 0.750  | 0.756               | 0.665  | 0.769               | 0.700  | 0.783               | 0.737 | 6.1   |
| Styrene                     | 1.276  | 1.238               | 1.120  | 1.304               | 1.191  | 1.333               | 1.244 | 6.3   |
| Bromoform                   | 0.208  | 0.198               | 0.180  | 0.220               | 0.204  | 0.232               | 0.207 | 8.7   |
| Isopropylbenzene            | 4.420  | 4.371               | 3.794  | 4.268               | 3.912  | 4.470               | 4.206 | 6.7   |
| 1,1,2,2-Tetrachloroethane   | 0.796  | 0.737               | 0.664  | 0.763               | 0.719  | 0.805               | 0.747 | 7     |
| 1,3-Dichlorobenzene         | 1.968  | 1.892               | 1.598  | 1.819               | 1.651  | 1.887               | 1.802 | 8.1   |
| 1,4-Dichlorobenzene         | 1.928  | 1.831               | 1.572  | 1.801               | 1.635  | 1.856               | 1.771 | 7.8   |
| 1,2-Dichlorobenzene         | 1.716  | 1.620               | 1.416  | 1.612               | 1.474  | 1.663               | 1.584 | 7.3   |
| 1,2-Dibromo-3-Chloropropane | 0.133  | 0.115               | 0.100  | 0.121               | 0.118  | 0.129               | 0.119 | 9.7   |
| 1,2,4-Trichlorobenzene      | 0.860  | 0.832               | 0.758  | 0.965               | 0.886  | 1.027               | 0.888 | 10.8  |
| 1,2,3-Trichlorobenzene      | 0.716  | 0.698               | 0.634  | 0.823               | 0.761  | 0.872               | 0.751 | 11.5  |
| 1,2-Dichloroethane-d4       | 0.701  | 0.656               | 0.566  | 0.581               | 0.583  | 0.607               | 0.616 | 8.5   |
| Dibromofluoromethane        | 0.356  | 0.335               | 0.300  | 0.321               | 0.326  | 0.341               | 0.330 | 5.8   |
| Toluene-d8                  | 1.299  | 1.254               | 1.134  | 1.185               | 1.191  | 1.246               | 1.218 | 4.9   |
| 4-Bromofluorobenzene        | 0.498  | 0.438               | 0.402  | 0.426               | 0.427  | 0.450               | 0.440 | 7.4   |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Instrument ID: MSVOA\_Y Calibration Date/Time: 10/22/2024 10:01

Lab File ID: VY019969.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|--------------------------------|-------|--------|------------|-------|-------|
| Dichlorodifluoromethane        | 0.465 | 0.412  |            | -11.4 | 20    |
| Chloromethane                  | 0.606 | 0.611  | 0.1        | 0.82  | 20    |
| Vinyl Chloride                 | 0.667 | 0.698  |            | 4.65  | 20    |
| Bromomethane                   | 0.422 | 0.448  |            | 6.16  | 20    |
| Chloroethane                   | 0.448 | 0.490  |            | 9.38  | 20    |
| Trichlorofluoromethane         | 0.992 | 0.995  |            | 0.3   | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.577 | 0.592  |            | 2.6   | 20    |
| 1,1-Dichloroethene             | 0.536 | 0.519  |            | -3.17 | 20    |
| Acetone                        | 0.160 | 0.189  |            | 18.13 | 20    |
| Carbon Disulfide               | 1.438 | 1.228  |            | -14.6 | 20    |
| Methyl tert-butyl Ether        | 1.541 | 1.675  |            | 8.7   | 20    |
| Methyl Acetate                 | 0.345 | 0.403  |            | 16.81 | 20    |
| Methylene Chloride             | 0.647 | 0.636  |            | -1.7  | 20    |
| trans-1,2-Dichloroethene       | 0.584 | 0.602  |            | 3.08  | 20    |
| 1,1-Dichloroethane             | 1.172 | 1.328  | 0.1        | 13.31 | 20    |
| Cyclohexane                    | 1.029 | 0.985  |            | -4.28 | 20    |
| 2-Butanone                     | 0.215 | 0.241  |            | 12.09 | 20    |
| Carbon Tetrachloride           | 0.510 | 0.544  |            | 6.67  | 20    |
| cis-1,2-Dichloroethene         | 0.721 | 0.769  |            | 6.66  | 20    |
| Bromochloromethane             | 0.516 | 0.570  |            | 10.47 | 20    |
| Chloroform                     | 1.195 | 1.359  |            | 13.72 | 20    |
| 1,1,1-Trichloroethane          | 1.047 | 1.132  |            | 8.12  | 20    |
| Methylcyclohexane              | 0.599 | 0.592  |            | -1.17 | 20    |
| Benzene                        | 1.439 | 1.559  |            | 8.34  | 20    |
| 1,2-Dichloroethane             | 0.413 | 0.460  |            | 11.38 | 20    |
| Trichloroethene                | 0.348 | 0.357  |            | 2.59  | 20    |
| 1,2-Dichloropropane            | 0.360 | 0.412  |            | 14.44 | 20    |
| Bromodichloromethane           | 0.522 | 0.599  |            | 14.75 | 20    |
| 4-Methyl-2-Pentanone           | 0.258 | 0.298  |            | 15.5  | 20    |
| Toluene                        | 0.898 | 0.990  |            | 10.24 | 20    |
| t-1,3-Dichloropropene          | 0.470 | 0.521  |            | 10.85 | 20    |
| cis-1,3-Dichloropropene        | 0.554 | 0.612  |            | 10.47 | 20    |
| 1,1,2-Trichloroethane          | 0.259 | 0.294  |            | 13.51 | 20    |
| 2-Hexanone                     | 0.184 | 0.216  |            | 17.39 | 20    |
| Dibromochloromethane           | 0.333 | 0.370  |            | 11.11 | 20    |
| 1,2-Dibromoethane              | 0.234 | 0.254  |            | 8.55  | 20    |
| Tetrachloroethene              | 0.356 | 0.348  |            | -2.25 | 20    |
| Chlorobenzene                  | 1.144 | 1.235  | 0.3        | 7.95  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Instrument ID: MSVOA\_Y Calibration Date/Time: 10/22/2024 10:01

Lab File ID: VY019969.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 2.077 | 2.295  |            | 10.5  | 20    |
| m/p-Xylenes                 | 0.767 | 0.833  |            | 8.6   | 20    |
| o-Xylene                    | 0.737 | 0.816  |            | 10.72 | 20    |
| Styrene                     | 1.244 | 1.389  |            | 11.66 | 20    |
| Bromoform                   | 0.207 | 0.229  | 0.1        | 10.63 | 20    |
| Isopropylbenzene            | 4.206 | 4.428  |            | 5.28  | 20    |
| 1,1,2,2-Tetrachloroethane   | 0.747 | 0.811  | 0.3        | 8.57  | 20    |
| 1,3-Dichlorobenzene         | 1.802 | 1.882  |            | 4.44  | 20    |
| 1,4-Dichlorobenzene         | 1.771 | 1.856  |            | 4.8   | 20    |
| 1,2-Dichlorobenzene         | 1.584 | 1.660  |            | 4.8   | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.119 | 0.123  |            | 3.36  | 20    |
| 1,2,4-Trichlorobenzene      | 0.888 | 0.895  |            | 0.79  | 20    |
| 1,2,3-Trichlorobenzene      | 0.751 | 0.751  |            | 0     | 20    |
| 1,2-Dichloroethane-d4       | 0.616 | 0.655  |            | 6.33  | 20    |
| Dibromofluoromethane        | 0.330 | 0.352  |            | 6.67  | 20    |
| Toluene-d8                  | 1.218 | 1.252  |            | 2.79  | 20    |
| 4-Bromofluorobenzene        | 0.440 | 0.466  |            | 5.91  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Instrument ID: MSVOA\_Y Calibration Date/Time: 10/23/2024 10:58

Lab File ID: VY019985.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Dichlorodifluoromethane        | 0.465 | 0.411  |            | -11.61 | 20    |
| Chloromethane                  | 0.606 | 0.604  | 0.1        | -0.33  | 20    |
| Vinyl Chloride                 | 0.667 | 0.694  |            | 4.05   | 20    |
| Bromomethane                   | 0.422 | 0.448  |            | 6.16   | 20    |
| Chloroethane                   | 0.448 | 0.492  |            | 9.82   | 20    |
| Trichlorofluoromethane         | 0.992 | 1.072  |            | 8.06   | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.577 | 0.622  |            | 7.8    | 20    |
| 1,1-Dichloroethene             | 0.536 | 0.538  |            | 0.37   | 20    |
| Acetone                        | 0.160 | 0.176  |            | 10     | 20    |
| Carbon Disulfide               | 1.438 | 1.233  |            | -14.26 | 20    |
| Methyl tert-butyl Ether        | 1.541 | 1.661  |            | 7.79   | 20    |
| Methyl Acetate                 | 0.345 | 0.377  |            | 9.27   | 20    |
| Methylene Chloride             | 0.647 | 0.640  |            | -1.08  | 20    |
| trans-1,2-Dichloroethene       | 0.584 | 0.603  |            | 3.25   | 20    |
| 1,1-Dichloroethane             | 1.172 | 1.359  | 0.1        | 15.96  | 20    |
| Cyclohexane                    | 1.029 | 1.019  |            | -0.97  | 20    |
| 2-Butanone                     | 0.215 | 0.227  |            | 5.58   | 20    |
| Carbon Tetrachloride           | 0.510 | 0.557  |            | 9.22   | 20    |
| cis-1,2-Dichloroethene         | 0.721 | 0.807  |            | 11.93  | 20    |
| Bromochloromethane             | 0.516 | 0.604  |            | 17.05  | 20    |
| Chloroform                     | 1.195 | 1.409  |            | 17.91  | 20    |
| 1,1,1-Trichloroethane          | 1.047 | 1.201  |            | 14.71  | 20    |
| Methylcyclohexane              | 0.599 | 0.618  |            | 3.17   | 20    |
| Benzene                        | 1.439 | 1.569  |            | 9.03   | 20    |
| 1,2-Dichloroethane             | 0.413 | 0.455  |            | 10.17  | 20    |
| Trichloroethene                | 0.348 | 0.364  |            | 4.6    | 20    |
| 1,2-Dichloropropane            | 0.360 | 0.404  |            | 12.22  | 20    |
| Bromodichloromethane           | 0.522 | 0.598  |            | 14.56  | 20    |
| 4-Methyl-2-Pentanone           | 0.258 | 0.275  |            | 6.59   | 20    |
| Toluene                        | 0.898 | 0.993  |            | 10.58  | 20    |
| t-1,3-Dichloropropene          | 0.470 | 0.510  |            | 8.51   | 20    |
| cis-1,3-Dichloropropene        | 0.554 | 0.608  |            | 9.75   | 20    |
| 1,1,2-Trichloroethane          | 0.259 | 0.272  |            | 5.02   | 20    |
| 2-Hexanone                     | 0.184 | 0.198  |            | 7.61   | 20    |
| Dibromochloromethane           | 0.333 | 0.364  |            | 9.31   | 20    |
| 1,2-Dibromoethane              | 0.234 | 0.242  |            | 3.42   | 20    |
| Tetrachloroethene              | 0.356 | 0.354  |            | -0.56  | 20    |
| Chlorobenzene                  | 1.144 | 1.251  | 0.3        | 9.35   | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Instrument ID: MSVOA\_Y Calibration Date/Time: 10/23/2024 10:58

Lab File ID: VY019985.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 2.077 | 2.355  |            | 13.39 | 20    |
| m/p-Xylenes                 | 0.767 | 0.864  |            | 12.65 | 20    |
| o-Xylene                    | 0.737 | 0.825  |            | 11.94 | 20    |
| Styrene                     | 1.244 | 1.413  |            | 13.59 | 20    |
| Bromoform                   | 0.207 | 0.221  | 0.1        | 6.76  | 20    |
| Isopropylbenzene            | 4.206 | 4.708  |            | 11.94 | 20    |
| 1,1,2,2-Tetrachloroethane   | 0.747 | 0.789  | 0.3        | 5.62  | 20    |
| 1,3-Dichlorobenzene         | 1.802 | 1.923  |            | 6.72  | 20    |
| 1,4-Dichlorobenzene         | 1.771 | 1.886  |            | 6.49  | 20    |
| 1,2-Dichlorobenzene         | 1.584 | 1.705  |            | 7.64  | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.119 | 0.119  |            | 0     | 20    |
| 1,2,4-Trichlorobenzene      | 0.888 | 0.935  |            | 5.29  | 20    |
| 1,2,3-Trichlorobenzene      | 0.751 | 0.768  |            | 2.26  | 20    |
| 1,2-Dichloroethane-d4       | 0.616 | 0.728  |            | 18.18 | 20    |
| Dibromofluoromethane        | 0.330 | 0.395  |            | 19.7  | 20    |
| Toluene-d8                  | 1.218 | 1.417  |            | 16.34 | 20    |
| 4-Bromofluorobenzene        | 0.440 | 0.515  |            | 17.05 | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

|          |                      |            |                                  |
|----------|----------------------|------------|----------------------------------|
| OrderID: | P4474                | OrderDate: | 10/21/2024 3:19:00 PM            |
| Client:  | Yannuzzi Group, Inc. | Project:   | 86 Davidson Road, Piscataway, NJ |
| Contact: | Rafael Nunez         | Location:  | K61                              |

| LabID    | ClientID | Matrix | Test             | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|------------------|--------|-------------|-----------|-----------|----------|
| P4474-01 | TS-2     | SOIL   | SVOC-TCL BNA -20 | 8270E  | 10/18/24    | 10/22/24  | 10/24/24  | 10/21/24 |

### Hit Summary Sheet SW-846

**SDG No.:** P4474  
**Client:** Yannuzzi Group, Inc.

| Sample ID                   | Client ID | Matrix | Parameter                                                  | Concentration    | C  | MDL | RDL | Units |
|-----------------------------|-----------|--------|------------------------------------------------------------|------------------|----|-----|-----|-------|
| <b>Client ID : TS-2</b>     |           |        |                                                            |                  |    |     |     |       |
| P4474-01                    | TS-2      | SOIL   | (E)-3-Methyl-5-((1R,4aR,8aR)-5,4'- *<br>.gamma.-Sitosterol | 190.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | 10,18-Bisnorabieta-5,7,9(10),11,1. *                       | 1,500.000        | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | 1-Docosene                                                 | 520.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | A-Neogammacer-22(29)-ene                                   | 540.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | Benzophenone                                               | 860.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | Butane, 2-methoxy-2-methyl-                                | 270.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | cis-7-Hexadecenoic acid                                    | 4,900.000        | JB | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | Cyclopentadecane                                           | 200.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | D-Friedoolean-14-en-3-ol                                   | 760.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | D-Friedoolean-14-en-3-one                                  | 1,600.000        | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | Epilupeol; 20(29)-Lupen-3alpha-c *                         | 2,600.000        | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | Heptadecane, 2,6,10,15-tetrameth. *                        | 590.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | Hexacosane                                                 | 410.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | n-Hexadecanoic acid                                        | 330.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | Octadecanoic acid                                          | 1,300.000        | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | Olean-12-en-3-ol, acetate, (3.beta *                       | 430.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | Olean-18-ene                                               | 780.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | Supraene                                                   | 980.000          | J  | 0   | 0   | ug/Kg |
| P4474-01                    | TS-2      | SOIL   | unknown16.163                                              | 340.000          | J  | 0   | 0   | ug/Kg |
|                             |           |        |                                                            | 600.000          | J  | 0   | 0   | ug/Kg |
| <b>Total Tics :</b>         |           |        |                                                            | <b>19,700.00</b> |    |     |     |       |
| <b>Total Concentration:</b> |           |        |                                                            | <b>19,700.00</b> |    |     |     |       |





# SAMPLE DATA

## Report of Analysis

|                    |                                  |                 |                              |
|--------------------|----------------------------------|-----------------|------------------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: | 10/18/24                     |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24                     |
| Client Sample ID:  | TS-2                             | SDG No.:        | P4474                        |
| Lab Sample ID:     | P4474-01                         | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                           | % Solid:        | 48.2                         |
| Sample Wt/Vol:     | 30.08      Units:    g           | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N                | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0              | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                           |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139984.D        | 1         | 10/22/24 10:44 | 10/24/24 00:40 | PB164312      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 380   | U         | 380  | 680        | ug/Kg             |
| 108-95-2       | Phenol                      | 170   | U         | 170  | 350        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 170   | U         | 170  | 350        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 170   | U         | 170  | 350        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 170   | U         | 170  | 350        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 190   | U         | 190  | 350        | ug/Kg             |
| 98-86-2        | Acetophenone                | 180   | U         | 180  | 350        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 170   | U         | 170  | 680        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 83.4  | U         | 83.4 | 170        | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 170   | U         | 170  | 350        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 190   | U         | 190  | 350        | ug/Kg             |
| 78-59-1        | Isophorone                  | 180   | U         | 180  | 350        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 200   | U         | 200  | 350        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 190   | U         | 190  | 350        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 180   | U         | 180  | 350        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 160   | U         | 160  | 350        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 170   | U         | 170  | 350        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 170   | U         | 170  | 350        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 170   | U         | 170  | 350        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 180   | U         | 180  | 680        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 160   | U         | 160  | 350        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 170   | U         | 170  | 350        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 320   | UQ        | 320  | 680        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 150   | U         | 150  | 350        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 150   | U         | 150  | 350        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 180   | U         | 180  | 350        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 170   | U         | 170  | 350        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 200   | U         | 200  | 350        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 170   | U         | 170  | 350        | ug/Kg             |

## Report of Analysis

|                    |                                  |                 |                              |
|--------------------|----------------------------------|-----------------|------------------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: | 10/18/24                     |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24                     |
| Client Sample ID:  | TS-2                             | SDG No.:        | P4474                        |
| Lab Sample ID:     | P4474-01                         | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                           | % Solid:        | 48.2                         |
| Sample Wt/Vol:     | 30.08      Units:    g           | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N                | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0              | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                           |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139984.D        | 1         | 10/22/24 10:44 | 10/24/24 00:40 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-----|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 180   | U         | 180 | 350        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 170   | U         | 170 | 350        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 180   | U         | 180 | 350        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 170   | U         | 170 | 350        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 500   | U         | 500 | 680        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 240   | U         | 240 | 680        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 170   | U         | 170 | 350        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 180   | U         | 180 | 350        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 170   | U         | 170 | 350        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 180   | U         | 180 | 350        | ug/Kg             |
| 86-73-7    | Fluorene                   | 180   | U         | 180 | 350        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 220   | U         | 220 | 350        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 240   | UQ        | 240 | 680        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 170   | U         | 170 | 350        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 160   | U         | 160 | 350        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 180   | U         | 180 | 350        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 190   | U         | 190 | 350        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 160   | U         | 160 | 680        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 170   | U         | 170 | 350        | ug/Kg             |
| 120-12-7   | Anthracene                 | 170   | U         | 170 | 350        | ug/Kg             |
| 86-74-8    | Carbazole                  | 170   | U         | 170 | 350        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 170   | U         | 170 | 350        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 170   | U         | 170 | 350        | ug/Kg             |
| 129-00-0   | Pyrene                     | 170   | U         | 170 | 350        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 200   | U         | 200 | 350        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 200   | U         | 200 | 680        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 170   | U         | 170 | 350        | ug/Kg             |
| 218-01-9   | Chrysene                   | 160   | U         | 160 | 350        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 190   | U         | 190 | 350        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 230   | U         | 230 | 680        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 170   | U         | 170 | 350        | ug/Kg             |

## Report of Analysis

|                    |                                  |                 |                      |
|--------------------|----------------------------------|-----------------|----------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: | 10/18/24             |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24             |
| Client Sample ID:  | TS-2                             | SDG No.:        | P4474                |
| Lab Sample ID:     | P4474-01                         | Matrix:         | SOIL                 |
| Analytical Method: | SW8270                           | % Solid:        | 48.2                 |
| Sample Wt/Vol:     | 30.08      Units:    g           | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20     |
| Extraction Type :  | Decanted :      N                | Level :         | LOW                  |
| Injection Volume : | GPC Factor :    1.0              | GPC Cleanup :   | N              PH :  |
| Prep Method :      | SW3541                           |                 |                      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139984.D        | 1         | 10/22/24 10:44 | 10/24/24 00:40 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-----|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 170   | U         | 170 | 350        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 190   | U         | 190 | 350        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 160   | U         | 160 | 350        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 170   | U         | 170 | 350        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 170   | U         | 170 | 350        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 180   | U         | 180 | 350        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 230   | U         | 230 | 350        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 150   | U         | 150 | 350        | ug/Kg             |

### SURROGATES

|            |                      |      |  |                     |     |          |
|------------|----------------------|------|--|---------------------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 84.9 |  | 30 (18) - 130 (112) | 57% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 78.7 |  | 30 (15) - 130 (107) | 52% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 65.4 |  | 30 (18) - 130 (107) | 65% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 62.9 |  | 30 (20) - 130 (109) | 63% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 82.6 |  | 30 (10) - 130 (116) | 55% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 38.0 |  | 30 (10) - 130 (105) | 38% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 131000 | 6.892  |
| 1146-65-2  | Naphthalene-d8         | 464000 | 8.169  |
| 15067-26-2 | Acenaphthene-d10       | 219000 | 9.928  |
| 1517-22-2  | Phenanthrene-d10       | 349000 | 11.41  |
| 1719-03-5  | Chrysene-d12           | 324000 | 14.051 |
| 1520-96-3  | Perylene-d12           | 250000 | 15.527 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                    |      |    |      |       |
|-------------|------------------------------------|------|----|------|-------|
| 000994-05-8 | Butane, 2-methoxy-2-methyl-        | 4900 | JB | 2.20 | ug/Kg |
| 000119-61-9 | Benzophenone                       | 270  | J  | 10.6 | ug/Kg |
| 002416-19-5 | cis-7-Hexadecenoic acid            | 200  | J  | 11.9 | ug/Kg |
| 000057-10-3 | n-Hexadecanoic acid                | 1300 | J  | 11.9 | ug/Kg |
| 006566-19-4 | 10,18-Bisnorabieta-5,7,9(10),11,13 | 520  | J  | 12.7 | ug/Kg |
| 000057-11-4 | Octadecanoic acid                  | 430  | J  | 12.7 | ug/Kg |
| 020257-75-4 | (E)-3-Methyl-5-((1R,4aR,8aR)-5,5,8 | 190  | J  | 13.5 | ug/Kg |

## Report of Analysis

|                    |                                  |                 |                              |
|--------------------|----------------------------------|-----------------|------------------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: | 10/18/24                     |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24                     |
| Client Sample ID:  | TS-2                             | SDG No.:        | P4474                        |
| Lab Sample ID:     | P4474-01                         | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                           | % Solid:        | 48.2                         |
| Sample Wt/Vol:     | 30.08      Units:    g           | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N                | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0              | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                           |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139984.D        | 1         | 10/22/24 10:44 | 10/24/24 00:40 | PB164312      |

| CAS Number   | Parameter                          | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|--------------|------------------------------------|-------|-----------|-----|------------|-------------------|
| 000295-48-7  | Cyclopentadecane                   | 760   | J         |     | 13.9       | ug/Kg             |
| 001599-67-3  | 1-Docosene                         | 540   | J         |     | 14.5       | ug/Kg             |
| 007683-64-9  | Supraene                           | 340   | J         |     | 14.9       | ug/Kg             |
| 054833-48-6  | Heptadecane, 2,6,10,15-tetramethyl | 410   | J         |     | 15.2       | ug/Kg             |
| 000630-01-3  | Hexacosane                         | 330   | J         |     | 16.0       | ug/Kg             |
|              | unknown16.163                      | 600   | J         |     | 16.2       | ug/Kg             |
| 001615-91-4  | A-Neogammacer-22(29)-ene           | 860   | J         |     | 17.1       | ug/Kg             |
| 000432-11-1  | Olean-18-ene                       | 980   | J         |     | 17.4       | ug/Kg             |
| 000083-47-6  | .gamma.-Sitosterol                 | 1500  | J         |     | 17.7       | ug/Kg             |
| 000514-07-8  | D-Friedoolean-14-en-3-one          | 2600  | J         |     | 17.7       | ug/Kg             |
| 081654-73-1  | D-Friedoolean-14-en-3-ol           | 1600  | J         |     | 18.0       | ug/Kg             |
| 001616-93-9  | Olean-12-en-3-ol, acetate, (3.beta | 780   | J         |     | 18.1       | ug/Kg             |
| 1000513-01-3 | Epilupeol; 20(29)-Lupen-3alpha-ol  | 590   | J         |     | 18.5       | ug/Kg             |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# QC SUMMARY

### Surrogate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8270E

| Lab Sample ID | Client ID  | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|------------|----------------------|-------------|--------------|--------------|------|------------|-----------|
|               |            |                      |             |              |              |      | Low        | High      |
| P4467-01MS    | TP-1MS     | 2-Fluorophenol       | 150         | 83.4         | 56           |      | 30 (18)    | 130 (112) |
|               |            | Phenol-d6            | 150         | 81.7         | 54           |      | 30 (15)    | 130 (107) |
|               |            | Nitrobenzene-d5      | 100         | 61.8         | 62           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl     | 100         | 58.9         | 59           |      | 30 (20)    | 130 (109) |
|               |            | 2,4,6-Tribromophenol | 150         | 96.0         | 64           |      | 30 (10)    | 130 (116) |
|               |            | Terphenyl-d14        | 100         | 55.7         | 56           |      | 30 (10)    | 130 (105) |
| P4467-01MSD   | TP-1MSD    | 2-Fluorophenol       | 150         | 94.9         | 63           |      | 30 (18)    | 130 (112) |
|               |            | Phenol-d6            | 150         | 92.7         | 62           |      | 30 (15)    | 130 (107) |
|               |            | Nitrobenzene-d5      | 100         | 70.6         | 71           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl     | 100         | 68.2         | 68           |      | 30 (20)    | 130 (109) |
|               |            | 2,4,6-Tribromophenol | 150         | 110          | 74           |      | 30 (10)    | 130 (116) |
|               |            | Terphenyl-d14        | 100         | 64.9         | 65           |      | 30 (10)    | 130 (105) |
| P4474-01      | TS-2       | 2-Fluorophenol       | 150         | 84.9         | 57           |      | 30 (18)    | 130 (112) |
|               |            | Phenol-d6            | 150         | 78.7         | 52           |      | 30 (15)    | 130 (107) |
|               |            | Nitrobenzene-d5      | 100         | 65.4         | 65           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl     | 100         | 62.9         | 63           |      | 30 (20)    | 130 (109) |
|               |            | 2,4,6-Tribromophenol | 150         | 82.6         | 55           |      | 30 (10)    | 130 (116) |
|               |            | Terphenyl-d14        | 100         | 38.0         | 38           |      | 30 (10)    | 130 (105) |
| PB164312BL    | PB164312BL | 2-Fluorophenol       | 150         | 131          | 87           |      | 30 (18)    | 130 (112) |
|               |            | Phenol-d6            | 150         | 126          | 84           |      | 30 (15)    | 130 (107) |
|               |            | Nitrobenzene-d5      | 100         | 96.5         | 96           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl     | 100         | 93.3         | 93           |      | 30 (20)    | 130 (109) |
|               |            | 2,4,6-Tribromophenol | 150         | 158          | 105          |      | 30 (10)    | 130 (116) |
|               |            | Terphenyl-d14        | 100         | 92.9         | 93           |      | 30 (10)    | 130 (105) |
| PB164312BS    | PB164312BS | 2-Fluorophenol       | 150         | 129          | 86           |      | 30 (18)    | 130 (112) |
|               |            | Phenol-d6            | 150         | 126          | 84           |      | 30 (15)    | 130 (107) |
|               |            | Nitrobenzene-d5      | 100         | 99.4         | 99           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl     | 100         | 93.9         | 94           |      | 30 (20)    | 130 (109) |
|               |            | 2,4,6-Tribromophenol | 150         | 157          | 104          |      | 30 (10)    | 130 (116) |
|               |            | Terphenyl-d14        | 100         | 105          | 105          |      | 30 (10)    | 130 (105) |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** P4474

**Client:** Yannuzzi Group, Inc.

**Analytical Method:** SW8270E

| Parameter                        | Spike | Sample Result                   | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low     | Limits High | RPD |
|----------------------------------|-------|---------------------------------|--------|-----------------------------|-----|----------|-----|----------|---------|-------------|-----|
| <b>Lab Sample ID: P4467-01MS</b> |       | <b>Client Sample ID: TP-1MS</b> |        | <b>DataFile: BF140004.D</b> |     |          |     |          |         |             |     |
| Benzaldehyde                     | 1100  | 0                               | 290    | ug/Kg                       | 26  |          |     |          | 20 (10) | 160 (86)    |     |
| Phenol                           | 1100  | 0                               | 960    | ug/Kg                       | 87  |          |     |          | 20 (67) | 160 (126)   |     |
| bis(2-Chloroethyl)ether          | 1100  | 0                               | 950    | ug/Kg                       | 86  |          |     |          | 70 (54) | 130 (125)   |     |
| 2-Chlorophenol                   | 1100  | 0                               | 990    | ug/Kg                       | 90  |          |     |          | 70 (79) | 130 (107)   |     |
| 2-Methylphenol                   | 1100  | 0                               | 960    | ug/Kg                       | 87  |          |     |          | 70 (66) | 130 (122)   |     |
| 2,2-oxybis(1-Chloropropane)      | 1100  | 0                               | 910    | ug/Kg                       | 83  |          |     |          | 70 (65) | 130 (110)   |     |
| Acetophenone                     | 1100  | 0                               | 950    | ug/Kg                       | 86  |          |     |          | 70 (75) | 130 (111)   |     |
| 3+4-Methylphenols                | 1100  | 0                               | 920    | ug/Kg                       | 84  |          |     |          | 20 (66) | 160 (104)   |     |
| N-Nitroso-di-n-propylamine       | 1100  | 0                               | 930    | ug/Kg                       | 85  |          |     |          | 70 (59) | 130 (119)   |     |
| Hexachloroethane                 | 1100  | 0                               | 940    | ug/Kg                       | 85  |          |     |          | 20 (65) | 160 (117)   |     |
| Nitrobenzene                     | 1100  | 0                               | 930    | ug/Kg                       | 85  |          |     |          | 70 (70) | 130 (119)   |     |
| Isophorone                       | 1100  | 0                               | 970    | ug/Kg                       | 88  |          |     |          | 70 (76) | 130 (122)   |     |
| 2-Nitrophenol                    | 1100  | 0                               | 1200   | ug/Kg                       | 109 |          |     |          | 70 (54) | 130 (145)   |     |
| 2,4-Dimethylphenol               | 1100  | 0                               | 1100   | ug/Kg                       | 100 |          |     |          | 70 (44) | 130 (135)   |     |
| bis(2-Chloroethoxy)methane       | 1100  | 0                               | 950    | ug/Kg                       | 86  |          |     |          | 70 (68) | 130 (112)   |     |
| 2,4-Dichlorophenol               | 1100  | 0                               | 1000   | ug/Kg                       | 91  |          |     |          | 70 (72) | 130 (118)   |     |
| Naphthalene                      | 1100  | 0                               | 950    | ug/Kg                       | 86  |          |     |          | 70 (72) | 130 (110)   |     |
| 4-Chloroaniline                  | 1100  | 0                               | 350    | ug/Kg                       | 32  | *        |     |          | 70 (10) | 130 (91)    |     |
| Hexachlorobutadiene              | 1100  | 0                               | 970    | ug/Kg                       | 88  |          |     |          | 70 (66) | 130 (114)   |     |
| Caprolactam                      | 1100  | 0                               | 990    | ug/Kg                       | 90  |          |     |          | 20 (51) | 160 (134)   |     |
| 4-Chloro-3-methylphenol          | 1100  | 0                               | 960    | ug/Kg                       | 87  |          |     |          | 70 (57) | 130 (132)   |     |
| 2-Methylnaphthalene              | 1100  | 0                               | 970    | ug/Kg                       | 88  |          |     |          | 70 (59) | 130 (123)   |     |
| Hexachlorocyclopentadiene        | 2200  | 0                               | 3500   | ug/Kg                       | 159 |          |     |          | 20 (10) | 160 (175)   |     |
| 2,4,6-Trichlorophenol            | 1100  | 0                               | 1000   | ug/Kg                       | 91  |          |     |          | 70 (72) | 130 (117)   |     |
| 2,4,5-Trichlorophenol            | 1100  | 0                               | 990    | ug/Kg                       | 90  |          |     |          | 70 (72) | 130 (117)   |     |
| 1,1-Biphenyl                     | 1100  | 0                               | 980    | ug/Kg                       | 89  |          |     |          | 70 (75) | 130 (113)   |     |
| 2-Chloronaphthalene              | 1100  | 0                               | 960    | ug/Kg                       | 87  |          |     |          | 70 (67) | 130 (118)   |     |
| 2-Nitroaniline                   | 1100  | 0                               | 1100   | ug/Kg                       | 100 |          |     |          | 70 (69) | 130 (127)   |     |
| Dimethylphthalate                | 1100  | 0                               | 1000   | ug/Kg                       | 91  |          |     |          | 70 (70) | 130 (113)   |     |
| Acenaphthylene                   | 1100  | 0                               | 1000   | ug/Kg                       | 91  |          |     |          | 70 (79) | 130 (118)   |     |
| 2,6-Dinitrotoluene               | 1100  | 0                               | 1000   | ug/Kg                       | 91  |          |     |          | 70 (70) | 130 (125)   |     |
| 3-Nitroaniline                   | 1100  | 0                               | 660    | ug/Kg                       | 60  | *        |     |          | 70 (30) | 130 (99)    |     |
| Acenaphthene                     | 1100  | 0                               | 1100   | ug/Kg                       | 100 |          |     |          | 70 (70) | 130 (121)   |     |
| 2,4-Dinitrophenol                | 2200  | 0                               | 2200   | ug/Kg                       | 100 |          |     |          | 20 (10) | 160 (155)   |     |
| 4-Nitrophenol                    | 2200  | 0                               | 2000   | ug/Kg                       | 91  |          |     |          | 20 (45) | 160 (133)   |     |
| Dibenzofuran                     | 1100  | 0                               | 980    | ug/Kg                       | 89  |          |     |          | 70 (72) | 130 (110)   |     |
| 2,4-Dinitrotoluene               | 1100  | 0                               | 1100   | ug/Kg                       | 100 |          |     |          | 70 (55) | 130 (128)   |     |
| Diethylphthalate                 | 1100  | 0                               | 990    | ug/Kg                       | 90  |          |     |          | 70 (70) | 130 (112)   |     |
| 4-Chlorophenyl-phenylether       | 1100  | 0                               | 980    | ug/Kg                       | 89  |          |     |          | 70 (71) | 130 (108)   |     |
| Fluorene                         | 1100  | 0                               | 960    | ug/Kg                       | 87  |          |     |          | 70 (68) | 130 (116)   |     |
| 4-Nitroaniline                   | 1100  | 0                               | 1000   | ug/Kg                       | 91  |          |     |          | 70 (55) | 130 (120)   |     |
| 4,6-Dinitro-2-methylphenol       | 1100  | 0                               | 1300   | ug/Kg                       | 118 |          |     |          | 70 (10) | 130 (160)   |     |
| N-Nitrosodiphenylamine           | 1100  | 0                               | 1000   | ug/Kg                       | 91  |          |     |          | 70 (73) | 130 (118)   |     |
| 4-Bromophenyl-phenylether        | 1100  | 0                               | 1000   | ug/Kg                       | 91  |          |     |          | 70 (65) | 130 (121)   |     |
| Hexachlorobenzene                | 1100  | 0                               | 1000   | ug/Kg                       | 91  |          |     |          | 70 (67) | 130 (118)   |     |
| Atrazine                         | 1100  | 0                               | 1200   | ug/Kg                       | 109 |          |     |          | 70 (79) | 130 (127)   |     |

( ) = LABORATORY INHOUSE LIMIT



**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** P4474

**Client:** Yannuzzi Group, Inc.

**Analytical Method:** SW8270E

| Parameter                  | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low     | Limits<br>High | RPD |
|----------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|---------|----------------|-----|
| Pentachlorophenol          | 2200  | 0                | 1800   | ug/Kg | 82  |             |     |             | 20 (47) | 160 (128)      |     |
| Phenanthrene               | 1100  | 0                | 980    | ug/Kg | 89  |             |     |             | 70 (52) | 130 (128)      |     |
| Anthracene                 | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (62) | 130 (124)      |     |
| Carbazole                  | 1100  | 0                | 910    | ug/Kg | 83  |             |     |             | 70 (59) | 130 (119)      |     |
| Di-n-butylphthalate        | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (69) | 130 (118)      |     |
| Fluoranthene               | 1100  | 0                | 860    | ug/Kg | 78  |             |     |             | 70 (44) | 130 (125)      |     |
| Pyrene                     | 1100  | 0                | 910    | ug/Kg | 83  |             |     |             | 70 (26) | 130 (142)      |     |
| Butylbenzylphthalate       | 1100  | 0                | 1200   | ug/Kg | 109 |             |     |             | 70 (64) | 130 (126)      |     |
| 3,3-Dichlorobenzidine      | 1100  | 0                | 780    | ug/Kg | 71  |             |     |             | 70 (33) | 130 (116)      |     |
| Benzo(a)anthracene         | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (71) | 130 (114)      |     |
| Chrysene                   | 1100  | 0                | 980    | ug/Kg | 89  |             |     |             | 70 (57) | 130 (121)      |     |
| bis(2-Ethylhexyl)phthalate | 1100  | 0                | 1300   | ug/Kg | 118 |             |     |             | 70 (42) | 130 (169)      |     |
| Di-n-octyl phthalate       | 1100  | 0                | 1200   | ug/Kg | 109 |             |     |             | 70 (23) | 130 (175)      |     |
| Benzo(b)fluoranthene       | 1100  | 0                | 880    | ug/Kg | 80  |             |     |             | 70 (67) | 130 (121)      |     |
| Benzo(k)fluoranthene       | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (57) | 130 (134)      |     |
| Benzo(a)pyrene             | 1100  | 0                | 1100   | ug/Kg | 100 |             |     |             | 70 (70) | 130 (142)      |     |
| Indeno(1,2,3-cd)pyrene     | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (40) | 130 (129)      |     |
| Dibenz(a,h)anthracene      | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (43) | 130 (123)      |     |
| Benzo(g,h,i)perylene       | 1100  | 0                | 870    | ug/Kg | 79  |             |     |             | 70 (24) | 130 (125)      |     |
| 1,2,4,5-Tetrachlorobenzene | 1100  | 0                | 990    | ug/Kg | 90  |             |     |             | 70 (69) | 130 (124)      |     |
| 1,4-Dioxane                | 1100  | 0                | 840    | ug/Kg | 76  |             |     |             | 20 (46) | 160 (112)      |     |
| 2,3,4,6-Tetrachlorophenol  | 1100  | 0                | 1000   | ug/Kg | 91  |             |     |             | 70 (69) | 130 (112)      |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** P4474

**Client:** Yannuzzi Group, Inc.

**Analytical Method:** SW8270E

| Parameter                   | Spike              | Sample Result            | Result         | Units | Rec | Rec Qual | RPD | RPD Qual         | Low               | Limits High | RPD     |
|-----------------------------|--------------------|--------------------------|----------------|-------|-----|----------|-----|------------------|-------------------|-------------|---------|
| <b>Lab Sample ID:</b>       | <b>P4467-01MSD</b> | <b>Client Sample ID:</b> | <b>TP-1MSD</b> |       |     |          |     | <b>DataFile:</b> | <b>BF140005.D</b> |             |         |
| Benzaldehyde                | 1100               | 0                        | 340            | ug/Kg | 31  |          | 18  |                  | 20 (10)           | 160 (86)    | 30 (20) |
| Phenol                      | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 14  |                  | 20 (67)           | 160 (126)   | 30 (20) |
| bis(2-Chloroethyl)ether     | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 15  |                  | 70 (54)           | 130 (125)   | 30 (20) |
| 2-Chlorophenol              | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 11  |                  | 70 (79)           | 130 (107)   | 30 (20) |
| 2-Methylphenol              | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 14  |                  | 70 (66)           | 130 (122)   | 30 (20) |
| 2,2-oxybis(1-Chloropropane) | 1100               | 0                        | 1000           | ug/Kg | 91  |          | 9   |                  | 70 (65)           | 130 (110)   | 30 (20) |
| Acetophenone                | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 15  |                  | 70 (75)           | 130 (111)   | 30 (20) |
| 3+4-Methylphenols           | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 17  |                  | 20 (66)           | 160 (104)   | 30 (20) |
| N-Nitroso-di-n-propylamine  | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 16  |                  | 70 (59)           | 130 (119)   | 30 (20) |
| Hexachloroethane            | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 16  |                  | 20 (65)           | 160 (117)   | 30 (20) |
| Nitrobenzene                | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 16  |                  | 70 (70)           | 130 (119)   | 30 (20) |
| Isophorone                  | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 13  |                  | 70 (76)           | 130 (122)   | 30 (20) |
| 2-Nitrophenol               | 1100               | 0                        | 1400           | ug/Kg | 127 |          | 15  |                  | 70 (54)           | 130 (145)   | 30 (20) |
| 2,4-Dimethylphenol          | 1100               | 0                        | 1300           | ug/Kg | 118 |          | 17  |                  | 70 (44)           | 130 (135)   | 30 (20) |
| bis(2-Chloroethoxy)methane  | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 15  |                  | 70 (68)           | 130 (112)   | 30 (20) |
| 2,4-Dichlorophenol          | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 9   |                  | 70 (72)           | 130 (118)   | 30 (20) |
| Naphthalene                 | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 15  |                  | 70 (72)           | 130 (110)   | 30 (20) |
| 4-Chloroaniline             | 1100               | 0                        | 390            | ug/Kg | 35  | *        | 9   |                  | 70 (10)           | 130 (91)    | 30 (20) |
| Hexachlorobutadiene         | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 13  |                  | 70 (66)           | 130 (114)   | 30 (20) |
| Caprolactam                 | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 11  |                  | 20 (51)           | 160 (134)   | 30 (20) |
| 4-Chloro-3-methylphenol     | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 14  |                  | 70 (57)           | 130 (132)   | 30 (20) |
| 2-Methylnaphthalene         | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 13  |                  | 70 (59)           | 130 (123)   | 30 (20) |
| Hexachlorocyclopentadiene   | 2200               | 0                        | 4000           | ug/Kg | 182 | *        | 13  |                  | 20 (10)           | 160 (175)   | 30 (20) |
| 2,4,6-Trichlorophenol       | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (72)           | 130 (117)   | 30 (20) |
| 2,4,5-Trichlorophenol       | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 11  |                  | 70 (72)           | 130 (117)   | 30 (20) |
| 1,1-Biphenyl                | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 12  |                  | 70 (75)           | 130 (113)   | 30 (20) |
| 2-Chloronaphthalene         | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 14  |                  | 70 (67)           | 130 (118)   | 30 (20) |
| 2-Nitroaniline              | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 9   |                  | 70 (69)           | 130 (127)   | 30 (20) |
| Dimethylphthalate           | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (70)           | 130 (113)   | 30 (20) |
| Acenaphthylene              | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (79)           | 130 (118)   | 30 (20) |
| 2,6-Dinitrotoluene          | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (70)           | 130 (125)   | 30 (20) |
| 3-Nitroaniline              | 1100               | 0                        | 750            | ug/Kg | 68  | *        | 13  |                  | 70 (30)           | 130 (99)    | 30 (20) |
| Acenaphthene                | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 9   |                  | 70 (70)           | 130 (121)   | 30 (20) |
| 2,4-Dinitrophenol           | 2200               | 0                        | 2400           | ug/Kg | 109 |          | 9   |                  | 20 (10)           | 160 (155)   | 30 (20) |
| 4-Nitrophenol               | 2200               | 0                        | 2300           | ug/Kg | 105 |          | 14  |                  | 20 (45)           | 160 (133)   | 30 (20) |
| Dibenzofuran                | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 12  |                  | 70 (72)           | 130 (110)   | 30 (20) |
| 2,4-Dinitrotoluene          | 1100               | 0                        | 1300           | ug/Kg | 118 |          | 17  |                  | 70 (55)           | 130 (128)   | 30 (20) |
| Diethylphthalate            | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 11  |                  | 70 (70)           | 130 (112)   | 30 (20) |
| 4-Chlorophenyl-phenylether  | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 12  |                  | 70 (71)           | 130 (108)   | 30 (20) |
| Fluorene                    | 1100               | 0                        | 1100           | ug/Kg | 100 |          | 14  |                  | 70 (68)           | 130 (116)   | 30 (20) |
| 4-Nitroaniline              | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (55)           | 130 (120)   | 30 (20) |
| 4,6-Dinitro-2-methylphenol  | 1100               | 0                        | 1500           | ug/Kg | 136 | *        | 14  |                  | 70 (10)           | 130 (160)   | 30 (20) |
| N-Nitrosodiphenylamine      | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (73)           | 130 (118)   | 30 (20) |
| 4-Bromophenyl-phenylether   | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (65)           | 130 (121)   | 30 (20) |
| Hexachlorobenzene           | 1100               | 0                        | 1200           | ug/Kg | 109 |          | 18  |                  | 70 (67)           | 130 (118)   | 30 (20) |
| Atrazine                    | 1100               | 0                        | 1400           | ug/Kg | 127 |          | 15  |                  | 70 (79)           | 130 (127)   | 30 (20) |

( ) = LABORATORY INHOUSE LIMIT

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** P4474

**Client:** Yannuzzi Group, Inc.

**Analytical Method:** SW8270E

| Parameter                  | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low     | Limits<br>High | RPD     |
|----------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|---------|----------------|---------|
| Pentachlorophenol          | 2200  | 0                | 2100   | ug/Kg | 95  |             | 15  |             | 20 (47) | 160 (128)      | 30 (20) |
| Phenanthrene               | 1100  | 0                | 1100   | ug/Kg | 100 |             | 12  |             | 70 (52) | 130 (128)      | 30 (20) |
| Anthracene                 | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (62) | 130 (124)      | 30 (20) |
| Carbazole                  | 1100  | 0                | 1100   | ug/Kg | 100 |             | 19  |             | 70 (59) | 130 (119)      | 30 (20) |
| Di-n-butylphthalate        | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (69) | 130 (118)      | 30 (20) |
| Fluoranthene               | 1100  | 0                | 1000   | ug/Kg | 91  |             | 15  |             | 70 (44) | 130 (125)      | 30 (20) |
| Pyrene                     | 1100  | 0                | 1000   | ug/Kg | 91  |             | 9   |             | 70 (26) | 130 (142)      | 30 (20) |
| Butylbenzylphthalate       | 1100  | 0                | 1300   | ug/Kg | 118 |             | 8   |             | 70 (64) | 130 (126)      | 30 (20) |
| 3,3-Dichlorobenzidine      | 1100  | 0                | 820    | ug/Kg | 75  |             | 5   |             | 70 (33) | 130 (116)      | 30 (20) |
| Benzo(a)anthracene         | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (71) | 130 (114)      | 30 (20) |
| Chrysene                   | 1100  | 0                | 1100   | ug/Kg | 100 |             | 12  |             | 70 (57) | 130 (121)      | 30 (20) |
| bis(2-Ethylhexyl)phthalate | 1100  | 0                | 1500   | ug/Kg | 136 | *           | 14  |             | 70 (42) | 130 (169)      | 30 (20) |
| Di-n-octyl phthalate       | 1100  | 0                | 1400   | ug/Kg | 127 |             | 15  |             | 70 (23) | 130 (175)      | 30 (20) |
| Benzo(b)fluoranthene       | 1100  | 0                | 1000   | ug/Kg | 91  |             | 13  |             | 70 (67) | 130 (121)      | 30 (20) |
| Benzo(k)fluoranthene       | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (57) | 130 (134)      | 30 (20) |
| Benzo(a)pyrene             | 1100  | 0                | 1200   | ug/Kg | 109 |             | 9   |             | 70 (70) | 130 (142)      | 30 (20) |
| Indeno(1,2,3-cd)pyrene     | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (40) | 130 (129)      | 30 (20) |
| Dibenz(a,h)anthracene      | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (43) | 130 (123)      | 30 (20) |
| Benzo(g,h,i)perylene       | 1100  | 0                | 990    | ug/Kg | 90  |             | 13  |             | 70 (24) | 130 (125)      | 30 (20) |
| 1,2,4,5-Tetrachlorobenzene | 1100  | 0                | 1200   | ug/Kg | 109 |             | 19  |             | 70 (69) | 130 (124)      | 30 (20) |
| 1,4-Dioxane                | 1100  | 0                | 960    | ug/Kg | 87  |             | 13  |             | 20 (46) | 160 (112)      | 30 (20) |
| 2,3,4,6-Tetrachlorophenol  | 1100  | 0                | 1200   | ug/Kg | 109 |             | 18  |             | 70 (69) | 130 (112)      | 30 (20) |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8270E

DataFile: BF139992.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | RPD  | Limits  |           | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|-----|
|               |                             |       |        |       |     |     |      | Qual | Low     | High      |     |
| PB164312BS    | Benzaldehyde                | 1700  | 500    | ug/Kg | 29  |     |      |      | 20 (10) | 160 (133) |     |
|               | Phenol                      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 20 (62) | 160 (112) |     |
|               | bis(2-Chloroethyl)ether     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (60) | 130 (101) |     |
|               | 2-Chlorophenol              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (65) | 130 (112) |     |
|               | 2-Methylphenol              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (108) |     |
|               | 2,2-oxybis(1-Chloropropane) | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (51) | 130 (100) |     |
|               | Acetophenone                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (66) | 130 (98)  |     |
|               | 3+4-Methylphenols           | 1700  | 1500   | ug/Kg | 88  |     |      |      | 20 (58) | 160 (111) |     |
|               | N-Nitroso-di-n-propylamine  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (63) | 130 (95)  |     |
|               | Hexachloroethane            | 1700  | 1500   | ug/Kg | 88  |     |      |      | 20 (72) | 160 (108) |     |
|               | Nitrobenzene                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (101) |     |
|               | Isophorone                  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (59) | 130 (99)  |     |
|               | 2-Nitrophenol               | 1700  | 1900   | ug/Kg | 112 |     |      |      | 70 (61) | 130 (111) |     |
|               | 2,4-Dimethylphenol          | 1700  | 1800   | ug/Kg | 106 |     |      |      | 70 (46) | 130 (141) |     |
|               | bis(2-Chloroethoxy)methane  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (66) | 130 (97)  |     |
|               | 2,4-Dichlorophenol          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (62) | 130 (107) |     |
|               | Naphthalene                 | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (62) | 130 (100) |     |
|               | 4-Chloroaniline             | 1700  | 1200   | ug/Kg | 71  |     |      |      | 70 (16) | 130 (100) |     |
|               | Hexachlorobutadiene         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (53) | 130 (98)  |     |
|               | Caprolactam                 | 1700  | 1600   | ug/Kg | 94  |     |      |      | 20 (67) | 160 (110) |     |
|               | 4-Chloro-3-methylphenol     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (58) | 130 (112) |     |
|               | 2-Methylnaphthalene         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (60) | 130 (104) |     |
|               | Hexachlorocyclopentadiene   | 3300  | 6000   | ug/Kg | 182 |     |      | *    | 20 (45) | 160 (165) |     |
|               | 2,4,6-Trichlorophenol       | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (59) | 130 (102) |     |
|               | 2,4,5-Trichlorophenol       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (98)  |     |
|               | 1,1-Biphenyl                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (103) |     |
|               | 2-Chloronaphthalene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (58) | 130 (99)  |     |
|               | 2-Nitroaniline              | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (66) | 130 (101) |     |
|               | Dimethylphthalate           | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (99)  |     |
|               | Acenaphthylene              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (63) | 130 (101) |     |
|               | 2,6-Dinitrotoluene          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (104) |     |
|               | 3-Nitroaniline              | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (28) | 130 (100) |     |
|               | Acenaphthene                | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (57) | 130 (104) |     |
|               | 2,4-Dinitrophenol           | 3300  | 4300   | ug/Kg | 130 |     |      |      | 20 (37) | 160 (128) |     |
|               | 4-Nitrophenol               | 3300  | 3400   | ug/Kg | 103 |     |      |      | 20 (48) | 160 (119) |     |
|               | Dibenzofuran                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (63) | 130 (99)  |     |
|               | 2,4-Dinitrotoluene          | 1700  | 1800   | ug/Kg | 106 |     |      |      | 70 (60) | 130 (106) |     |
|               | Diethylphthalate            | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (60) | 130 (101) |     |
|               | 4-Chlorophenyl-phenylether  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (58) | 130 (98)  |     |
|               | Fluorene                    | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (101) |     |
|               | 4-Nitroaniline              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (64) | 130 (103) |     |
|               | 4,6-Dinitro-2-methylphenol  | 1700  | 2300   | ug/Kg | 135 |     |      | *    | 70 (76) | 130 (113) |     |
|               | N-Nitrosodiphenylamine      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (71) | 130 (99)  |     |
|               | 4-Bromophenyl-phenylether   | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (66) | 130 (102) |     |

() = LABORATORY INHOUSE LIMIT

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8270E

DataFile: BF139992.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit  | Rec | RPD | Qual | RPD  | Limits  |           | RPD |
|---------------|----------------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|-----|
|               |                            |       |        |       |     |     |      | Qual | Low     | High      |     |
| PB164312BS    | Hexachlorobenzene          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (64) | 130 (98)  |     |
|               | Atrazine                   | 1700  | 1800   | ug/Kg | 106 |     |      |      | 70 (47) | 130 (152) |     |
|               | Pentachlorophenol          | 3300  | 3200   | ug/Kg | 97  |     |      |      | 20 (67) | 160 (105) |     |
|               | Phenanthrene               | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (59) | 130 (103) |     |
|               | Anthracene                 | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (105) |     |
|               | Carbazole                  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (99)  |     |
|               | Di-n-butylphthalate        | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (58) | 130 (104) |     |
|               | Fluoranthene               | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (107) |     |
|               | Pyrene                     | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (59) | 130 (103) |     |
|               | Butylbenzylphthalate       | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (55) | 130 (103) |     |
|               | 3,3-Dichlorobenzidine      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (42) | 130 (91)  |     |
|               | Benzo(a)anthracene         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (60) | 130 (102) |     |
|               | Chrysene                   | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (59) | 130 (101) |     |
|               | bis(2-Ethylhexyl)phthalate | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (54) | 130 (135) |     |
|               | Di-n-octyl phthalate       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (52) | 130 (137) |     |
|               | Benzo(b)fluoranthene       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (62) | 130 (109) |     |
|               | Benzo(k)fluoranthene       | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (62) | 130 (109) |     |
|               | Benzo(a)pyrene             | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (63) | 130 (103) |     |
|               | Indeno(1,2,3-cd)pyrene     | 1700  | 1800   | ug/Kg | 106 |     |      |      | 70 (63) | 130 (101) |     |
|               | Dibenz(a,h)anthracene      | 1700  | 1800   | ug/Kg | 106 |     |      |      | 70 (61) | 130 (112) |     |
|               | Benzo(g,h,i)perylene       | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (70) | 130 (108) |     |
|               | 1,2,4,5-Tetrachlorobenzene | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (53) | 130 (101) |     |
|               | 1,4-Dioxane                | 1700  | 1300   | ug/Kg | 76  |     |      |      | 20 (50) | 160 (96)  |     |
|               | 2,3,4,6-Tetrachlorophenol  | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (59) | 130 (108) |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164312BL

Lab Name: CHEMTECH

Contract: YANN01

Lab Code: CHEM Case No.: P4474

SAS No.: P4474 SDG NO.: P4474

Lab File ID: BF139991.D

Lab Sample ID: PB164312BL

Instrument ID: BNA\_F

Date Extracted: 10/22/2024

Matrix: (soil/water) SOIL

Date Analyzed: 10/24/2024

Level: (low/med) LOW

Time Analyzed: 10:23

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| PB164312BS        | PB164312BS       | BF139992.D     | 10/24/2024       |
| TP-1MSD           | P4467-01MSD      | BF140005.D     | 10/24/2024       |
| TS-2              | P4474-01         | BF139984.D     | 10/24/2024       |
| TP-1MS            | P4467-01MS       | BF140004.D     | 10/24/2024       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: YANN01

Lab Code: CHEM

SAS No.: P4474 SDG NO.: P4474

Lab File ID: BF139843.D

DFTPP Injection Date: 10/18/2024

Instrument ID: BNA\_F

DFTPP Injection Time: 09:22

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 43.8                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 37.8                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 46.9                 |
| 197 | Less than 2.0% of mass 198         | 0.8                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 26.9                 |
| 365 | Greater than 1% of mass 198        | 3.4                  |
| 441 | Present, but less than mass 443    | 14                   |
| 442 | Greater than 50% of mass 198       | 93.1                 |
| 443 | 15.0 - 24.0% of mass 442           | 17.9 ( 19.2 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BF139844.D     | 10/18/2024       | 10:27            |
| SSTDICC005        | SSTDICC005       | BF139845.D     | 10/18/2024       | 10:55            |
| SSTDICC010        | SSTDICC010       | BF139846.D     | 10/18/2024       | 11:23            |
| SSTDICC020        | SSTDICC020       | BF139847.D     | 10/18/2024       | 11:52            |
| SSTDICCC040       | SSTDICCC040      | BF139848.D     | 10/18/2024       | 12:20            |
| SSTDICC050        | SSTDICC050       | BF139849.D     | 10/18/2024       | 12:49            |
| SSTDICC060        | SSTDICC060       | BF139850.D     | 10/18/2024       | 13:17            |
| SSTDICC080        | SSTDICC080       | BF139851.D     | 10/18/2024       | 13:46            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: YANN01

Lab Code: CHEM

SAS No.: P4474

SDG NO.: P4474

Lab File ID: BF139964.D

DFTPP Injection Date: 10/23/2024

Instrument ID: BNA\_F

DFTPP Injection Time: 15:01

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 34.1                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 30.6                 |
| 70  | Less than 2.0% of mass 69          | 0.1 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 39                   |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.1                  |
| 275 | 10.0 - 60.0% of mass 198           | 25.4                 |
| 365 | Greater than 1% of mass 198        | 3.2                  |
| 441 | Present, but less than mass 443    | 15.4                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.1 ( 19.1 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BF139965.D     | 10/23/2024       | 15:30            |
| TS-2              | P4474-01         | BF139984.D     | 10/24/2024       | 00:40            |



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: YANN01

Lab Code: CHEM

SAS No.: P4474 SDG NO.: P4474

Lab File ID: BF139989.D

DFTPP Injection Date: 10/24/2024

Instrument ID: BNA\_F

DFTPP Injection Time: 09:26

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 32.5                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 29.8                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 37.5                 |
| 197 | Less than 2.0% of mass 198         | 0.6                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 5.6                  |
| 275 | 10.0 - 60.0% of mass 198           | 24.9                 |
| 365 | Greater than 1% of mass 198        | 3.2                  |
| 441 | Present, but less than mass 443    | 14.9                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.1 ( 19.1 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BF139990.D     | 10/24/2024       | 09:55            |
| PB164312BL        | PB164312BL       | BF139991.D     | 10/24/2024       | 10:23            |
| PB164312BS        | PB164312BS       | BF139992.D     | 10/24/2024       | 10:52            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: YANN01

Lab Code: CHEM

SAS No.: P4474      SDG NO.: P4474

Lab File ID: BF140000.D

DFTPP Injection Date: 10/24/2024

Instrument ID: BNA\_F

DFTPP Injection Time: 14:47

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 40                   |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 35.2                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 44.2                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 26.7                 |
| 365 | Greater than 1% of mass 198        | 3.5                  |
| 441 | Present, but less than mass 443    | 15.7                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.3 ( 19.3 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BF140001.D     | 10/24/2024       | 15:16            |
| TP-1MS            | P4467-01MS       | BF140004.D     | 10/24/2024       | 16:48            |
| TP-1MSD           | P4467-01MSD      | BF140005.D     | 10/24/2024       | 17:17            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 159858              | 6.892 | 611382              | 8.18  | 340124              | 9.93   |
| UPPER LIMIT    | 319716              | 7.392 | 1222760             | 8.675 | 680248              | 10.428 |
| LOWER LIMIT    | 79929               | 6.392 | 305691              | 7.675 | 170062              | 9.428  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 TS-2        | 131007              | 6.89  | 463948              | 8.17  | 218643              | 9.93   |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

01

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 597021              | 11.416 | 306092              | 14.057 | 358871              | 15.533 |
| UPPER LIMIT    | 1194040             | 11.916 | 612184              | 14.557 | 717742              | 16.033 |
| LOWER LIMIT    | 298511              | 10.916 | 153046              | 13.557 | 179436              | 15.033 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| TS-2           | 348917              | 11.41  | 324231              | 14.05  | 250440              | 15.53  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 160242              | 6.892 | 587754              | 8.18  | 322730              | 9.93   |
| UPPER LIMIT    | 320484              | 7.392 | 1175510             | 8.675 | 645460              | 10.428 |
| LOWER LIMIT    | 80121               | 6.392 | 293877              | 7.675 | 161365              | 9.428  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 PB164312BL  | 147139              | 6.89  | 571542              | 8.17  | 324595              | 9.93   |
| 02 PB164312BS  | 158670              | 6.89  | 605986              | 8.18  | 338004              | 9.93   |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 552693              | 11.416 | 268892              | 14.057 | 303963              | 15.533 |
| UPPER LIMIT    | 1105390             | 11.916 | 537784              | 14.557 | 607926              | 16.033 |
| LOWER LIMIT    | 276347              | 10.916 | 134446              | 13.557 | 151982              | 15.033 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 PB164312BL  | 586249              | 11.41  | 355232              | 14.05  | 286763              | 15.53  |
| 02 PB164312BS  | 591954              | 11.42  | 292113              | 14.06  | 314861              | 15.53  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 162461              | 6.892 | 593909              | 8.18  | 325446              | 9.93   |
| UPPER LIMIT    | 324922              | 7.392 | 1187820             | 8.675 | 650892              | 10.428 |
| LOWER LIMIT    | 81230.5             | 6.392 | 296955              | 7.675 | 162723              | 9.428  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 TP-1MS      | 151264              | 6.89  | 576250              | 8.18  | 315137              | 9.93   |
| 02 TP-1MSD     | 131947              | 6.89  | 501368              | 8.18  | 271082              | 9.93   |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 551060              | 11.416 | 264546              | 14.051 | 308388              | 15.533 |
| UPPER LIMIT    | 1102120             | 11.916 | 529092              | 14.551 | 616776              | 16.033 |
| LOWER LIMIT    | 275530              | 10.916 | 132273              | 13.551 | 154194              | 15.033 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 TP-1MS      | 529411              | 11.42  | 267551              | 14.05  | 360724              | 15.53  |
| 02 TP-1MSD     | 450738              | 11.42  | 233244              | 14.05  | 308426              | 15.53  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.





# QC SAMPLE DATA

## Report of Analysis

|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: |                  |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  |                  |
| Client Sample ID:  | PB164312BL                       | SDG No.:        | P4474            |
| Lab Sample ID:     | PB164312BL                       | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.01 Units: g                   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139991.D        | 1         | 10/22/24 10:44 | 10/24/24 10:23 | PB164312      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 180   | U         | 180  | 330        | ug/Kg             |
| 108-95-2       | Phenol                      | 82.9  | U         | 82.9 | 170        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 83.7  | U         | 83.7 | 170        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 83.5  | U         | 83.5 | 170        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 80.6  | U         | 80.6 | 170        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 90.9  | U         | 90.9 | 170        | ug/Kg             |
| 98-86-2        | Acetophenone                | 86.9  | U         | 86.9 | 170        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 79.8  | U         | 79.8 | 330        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 40.3  | U         | 40.3 | 80.0       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 83.0  | U         | 83.0 | 170        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 90.8  | U         | 90.8 | 170        | ug/Kg             |
| 78-59-1        | Isophorone                  | 84.6  | U         | 84.6 | 170        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 94.5  | U         | 94.5 | 170        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 93.2  | U         | 93.2 | 170        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 85.8  | U         | 85.8 | 170        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 75.5  | U         | 75.5 | 170        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 82.6  | U         | 82.6 | 170        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 82.6  | U         | 82.6 | 170        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 83.3  | U         | 83.3 | 170        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 86.8  | U         | 86.8 | 330        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 77.5  | U         | 77.5 | 170        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 82.5  | U         | 82.5 | 170        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 160   | U         | 160  | 330        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 71.4  | U         | 71.4 | 170        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 74.0  | U         | 74.0 | 170        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 87.4  | U         | 87.4 | 170        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 83.3  | U         | 83.3 | 170        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 95.0  | U         | 95.0 | 170        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 81.7  | U         | 81.7 | 170        | ug/Kg             |

## Report of Analysis

|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: |                  |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  |                  |
| Client Sample ID:  | PB164312BL                       | SDG No.:        | P4474            |
| Lab Sample ID:     | PB164312BL                       | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.01 Units: g                   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139991.D        | 1         | 10/22/24 10:44 | 10/24/24 10:23 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 86.5  | U         | 86.5 | 170        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 83.2  | U         | 83.2 | 170        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 89.2  | U         | 89.2 | 170        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 81.1  | U         | 81.1 | 170        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 240   | U         | 240  | 330        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 120   | U         | 120  | 330        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 84.4  | U         | 84.4 | 170        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 86.2  | U         | 86.2 | 170        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 80.1  | U         | 80.1 | 170        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 85.6  | U         | 85.6 | 170        | ug/Kg             |
| 86-73-7    | Fluorene                   | 85.5  | U         | 85.5 | 170        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 110   | U         | 110  | 170        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 120   | U         | 120  | 330        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 81.6  | U         | 81.6 | 170        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 78.9  | U         | 78.9 | 170        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 85.0  | U         | 85.0 | 170        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 91.4  | U         | 91.4 | 170        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 77.3  | U         | 77.3 | 330        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 84.0  | U         | 84.0 | 170        | ug/Kg             |
| 120-12-7   | Anthracene                 | 84.4  | U         | 84.4 | 170        | ug/Kg             |
| 86-74-8    | Carbazole                  | 80.3  | U         | 80.3 | 170        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 84.3  | U         | 84.3 | 170        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 81.7  | U         | 81.7 | 170        | ug/Kg             |
| 129-00-0   | Pyrene                     | 83.0  | U         | 83.0 | 170        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 96.8  | U         | 96.8 | 170        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 98.6  | U         | 98.6 | 330        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 80.7  | U         | 80.7 | 170        | ug/Kg             |
| 218-01-9   | Chrysene                   | 79.5  | U         | 79.5 | 170        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 91.0  | U         | 91.0 | 170        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 110   | U         | 110  | 330        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 81.1  | U         | 81.1 | 170        | ug/Kg             |

## Report of Analysis

|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: |                  |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  |                  |
| Client Sample ID:  | PB164312BL                       | SDG No.:        | P4474            |
| Lab Sample ID:     | PB164312BL                       | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.01 Units: g                   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139991.D        | 1         | 10/22/24 10:44 | 10/24/24 10:23 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 82.6  | U         | 82.6 | 170        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 93.0  | U         | 93.0 | 170        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 78.1  | U         | 78.1 | 170        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 81.2  | U         | 81.2 | 170        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 80.1  | U         | 80.1 | 170        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 86.8  | U         | 86.8 | 170        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 110   | U         | 110  | 170        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 74.7  | U         | 74.7 | 170        | ug/Kg             |

### SURROGATES

|            |                      |      |  |                     |      |          |
|------------|----------------------|------|--|---------------------|------|----------|
| 367-12-4   | 2-Fluorophenol       | 131  |  | 30 (18) - 130 (112) | 87%  | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 126  |  | 30 (15) - 130 (107) | 84%  | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 96.5 |  | 30 (18) - 130 (107) | 96%  | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 93.3 |  | 30 (20) - 130 (109) | 93%  | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 158  |  | 30 (10) - 130 (116) | 105% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 92.9 |  | 30 (10) - 130 (105) | 93%  | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 147000 | 6.892  |
| 1146-65-2  | Naphthalene-d8         | 572000 | 8.169  |
| 15067-26-2 | Acenaphthene-d10       | 325000 | 9.928  |
| 1517-22-2  | Phenanthrene-d10       | 586000 | 11.41  |
| 1719-03-5  | Chrysene-d12           | 355000 | 14.051 |
| 1520-96-3  | Perylene-d12           | 287000 | 15.527 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                  |     |   |      |       |
|-------------|----------------------------------|-----|---|------|-------|
| 000994-05-8 | Butane, 2-methoxy-2-methyl-      | 110 | J | 2.23 | ug/Kg |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 240 | A | 5.13 | ug/Kg |

## Report of Analysis

|                    |                                  |                  |                 |                  |
|--------------------|----------------------------------|------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             |                  | Date Collected: |                  |
| Project:           | 86 Davidson Road, Piscataway, NJ |                  | Date Received:  |                  |
| Client Sample ID:  | PB164312BL                       |                  | SDG No.:        | P4474            |
| Lab Sample ID:     | PB164312BL                       |                  | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           |                  | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.01                            | Units: g         | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                                  | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                                  | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                                  | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139991.D        | 1         | 10/22/24 10:44 | 10/24/24 10:23 | PB164312      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|-----------|-------|-----------|-----|------------|-------------------|
|------------|-----------|-------|-----------|-----|------------|-------------------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: |                  |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  |                  |
| Client Sample ID:  | PB164312BS                       | SDG No.:        | P4474            |
| Lab Sample ID:     | PB164312BS                       | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.02 Units: g                   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139992.D        | 1         | 10/22/24 10:44 | 10/24/24 10:52 | PB164312      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 500   |           | 180  | 330        | ug/Kg             |
| 108-95-2       | Phenol                      | 1500  |           | 82.8 | 170        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1500  |           | 83.6 | 170        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 1600  |           | 83.4 | 170        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 1500  |           | 80.5 | 170        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1500  |           | 90.8 | 170        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1500  |           | 86.8 | 170        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1500  |           | 79.7 | 330        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1500  |           | 40.3 | 79.9       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 1500  |           | 82.9 | 170        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 1500  |           | 90.7 | 170        | ug/Kg             |
| 78-59-1        | Isophorone                  | 1600  |           | 84.5 | 170        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 1900  |           | 94.4 | 170        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1800  |           | 93.1 | 170        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1600  |           | 85.7 | 170        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 1600  |           | 75.4 | 170        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 1500  |           | 82.5 | 170        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 1200  |           | 82.5 | 170        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 1600  |           | 83.2 | 170        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1600  |           | 86.7 | 330        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1500  |           | 77.4 | 170        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 1600  |           | 82.4 | 170        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 6000  | E         | 160  | 330        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1700  |           | 71.4 | 170        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 1600  |           | 74.0 | 170        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1500  |           | 87.3 | 170        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 1500  |           | 83.2 | 170        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1700  |           | 94.9 | 170        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 1600  |           | 81.6 | 170        | ug/Kg             |

## Report of Analysis

|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: |                  |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  |                  |
| Client Sample ID:  | PB164312BS                       | SDG No.:        | P4474            |
| Lab Sample ID:     | PB164312BS                       | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.02 Units: g                   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139992.D        | 1         | 10/22/24 10:44 | 10/24/24 10:52 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1600  |           | 86.4 | 170        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1600  |           | 83.1 | 170        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 1300  |           | 89.1 | 170        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1700  |           | 81.0 | 170        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 4300  | E         | 240  | 330        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 3400  | E         | 120  | 330        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 1500  |           | 84.3 | 170        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1800  |           | 86.1 | 170        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 1500  |           | 80.0 | 170        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1600  |           | 85.5 | 170        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1500  |           | 85.4 | 170        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1600  |           | 110  | 170        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 2300  |           | 120  | 330        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 1500  |           | 81.5 | 170        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1600  |           | 78.8 | 170        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 1600  |           | 84.9 | 170        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1800  |           | 91.3 | 170        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 3200  | E         | 77.2 | 330        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 1600  |           | 83.9 | 170        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1600  |           | 84.3 | 170        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1500  |           | 80.2 | 170        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1500  |           | 84.2 | 170        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 1500  |           | 81.6 | 170        | ug/Kg             |
| 129-00-0   | Pyrene                     | 1600  |           | 82.9 | 170        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1700  |           | 96.7 | 170        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 1500  |           | 98.5 | 330        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1600  |           | 80.6 | 170        | ug/Kg             |
| 218-01-9   | Chrysene                   | 1600  |           | 79.4 | 170        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1700  |           | 90.9 | 170        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1600  |           | 110  | 330        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 1600  |           | 81.0 | 170        | ug/Kg             |

## Report of Analysis

|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: |                  |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  |                  |
| Client Sample ID:  | PB164312BS                       | SDG No.:        | P4474            |
| Lab Sample ID:     | PB164312BS                       | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.02 Units: g                   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF139992.D        | 1         | 10/22/24 10:44 | 10/24/24 10:52 | PB164312      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1500   |           | 82.5                | 170        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1700   |           | 92.9                | 170        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1800   |           | 78.0                | 170        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1800   |           | 81.1                | 170        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1700   |           | 80.0                | 170        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1600   |           | 86.7                | 170        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 1300   |           | 110                 | 170        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1700   |           | 74.7                | 170        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 129    |           | 30 (18) - 130 (112) | 86%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 126    |           | 30 (15) - 130 (107) | 84%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 99.4   |           | 30 (18) - 130 (107) | 99%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 93.9   |           | 30 (20) - 130 (109) | 94%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 157    |           | 30 (10) - 130 (116) | 104%       | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 105    |           | 30 (10) - 130 (105) | 105%       | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 159000 | 6.892     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 606000 | 8.175     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 338000 | 9.927     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 592000 | 11.416    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 292000 | 14.057    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 315000 | 15.533    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



## Report of Analysis

|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: | 10/21/24         |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24         |
| Client Sample ID:  | TP-1MS                           | SDG No.:        | P4474            |
| Lab Sample ID:     | P4467-01MS                       | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           | % Solid:        | 90.7             |
| Sample Wt/Vol:     | 50.03 Units: g                   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140004.D        | 1         | 10/22/24 10:44 | 10/24/24 16:48 | PB164312      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 290   |           | 120  | 220        | ug/Kg             |
| 108-95-2       | Phenol                      | 960   |           | 54.8 | 110        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 950   |           | 55.3 | 110        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 990   |           | 55.2 | 110        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 960   |           | 53.3 | 110        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 910   |           | 60.1 | 110        | ug/Kg             |
| 98-86-2        | Acetophenone                | 950   |           | 57.5 | 110        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 920   |           | 52.8 | 220        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 930   |           | 26.6 | 52.9       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 940   |           | 54.9 | 110        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 930   |           | 60.0 | 110        | ug/Kg             |
| 78-59-1        | Isophorone                  | 970   |           | 55.9 | 110        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 1200  |           | 62.5 | 110        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1100  |           | 61.6 | 110        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 950   |           | 56.7 | 110        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 1000  |           | 49.9 | 110        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 950   |           | 54.6 | 110        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 350   |           | 54.6 | 110        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 970   |           | 55.1 | 110        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 990   |           | 57.4 | 220        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 960   |           | 51.2 | 110        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 970   |           | 54.5 | 110        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 3500  | E         | 100  | 220        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1000  |           | 47.2 | 110        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 990   |           | 48.9 | 110        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 980   |           | 57.8 | 110        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 960   |           | 55.1 | 110        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1100  |           | 62.8 | 110        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 1000  |           | 54.0 | 110        | ug/Kg             |

## Report of Analysis

|                    |                                  |                 |                              |
|--------------------|----------------------------------|-----------------|------------------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: | 10/21/24                     |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24                     |
| Client Sample ID:  | TP-1MS                           | SDG No.:        | P4474                        |
| Lab Sample ID:     | P4467-01MS                       | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                           | % Solid:        | 90.7                         |
| Sample Wt/Vol:     | 50.03      Units:    g           | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N                | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0              | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                           |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140004.D        | 1         | 10/22/24 10:44 | 10/24/24 16:48 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1000  |           | 57.2 | 110        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1000  |           | 55.0 | 110        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 660   |           | 59.0 | 110        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1100  |           | 53.6 | 110        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 2200  | E         | 160  | 220        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 2000  | E         | 76.7 | 220        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 980   |           | 55.8 | 110        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1100  |           | 57.0 | 110        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 990   |           | 53.0 | 110        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 980   |           | 56.6 | 110        | ug/Kg             |
| 86-73-7    | Fluorene                   | 960   |           | 56.5 | 110        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1000  |           | 70.7 | 110        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1300  |           | 77.4 | 220        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 1000  |           | 53.9 | 110        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1000  |           | 52.2 | 110        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 1000  |           | 56.2 | 110        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1200  |           | 60.4 | 110        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 1800  | E         | 51.1 | 220        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 980   |           | 55.5 | 110        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1000  |           | 55.8 | 110        | ug/Kg             |
| 86-74-8    | Carbazole                  | 910   |           | 53.1 | 110        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1000  |           | 55.7 | 110        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 860   |           | 54.0 | 110        | ug/Kg             |
| 129-00-0   | Pyrene                     | 910   |           | 54.9 | 110        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1200  |           | 64.0 | 110        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 780   |           | 65.2 | 220        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1000  |           | 53.4 | 110        | ug/Kg             |
| 218-01-9   | Chrysene                   | 980   |           | 52.6 | 110        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1300  |           | 60.2 | 110        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1200  |           | 72.7 | 220        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 880   |           | 53.6 | 110        | ug/Kg             |

## Report of Analysis

|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: | 10/21/24         |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24         |
| Client Sample ID:  | TP-1MS                           | SDG No.:        | P4474            |
| Lab Sample ID:     | P4467-01MS                       | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           | % Solid:        | 90.7             |
| Sample Wt/Vol:     | 50.03 Units: g                   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140004.D        | 1         | 10/22/24 10:44 | 10/24/24 16:48 | PB164312      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1000   |           | 54.6                | 110        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1100   |           | 61.5                | 110        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1000   |           | 51.6                | 110        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1000   |           | 53.7                | 110        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 870    |           | 53.0                | 110        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 990    |           | 57.4                | 110        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 840    |           | 72.7                | 110        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1000   |           | 49.4                | 110        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 83.4   |           | 30 (18) - 130 (112) | 56%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 81.7   |           | 30 (15) - 130 (107) | 54%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 61.8   |           | 30 (18) - 130 (107) | 62%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 58.9   |           | 30 (20) - 130 (109) | 59%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 96.0   |           | 30 (10) - 130 (116) | 64%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 55.7   |           | 30 (10) - 130 (105) | 56%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 151000 | 6.893     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 576000 | 8.175     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 315000 | 9.928     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 529000 | 11.416    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 268000 | 14.051    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 361000 | 15.533    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: | 10/21/24         |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24         |
| Client Sample ID:  | TP-1MSD                          | SDG No.:        | P4474            |
| Lab Sample ID:     | P4467-01MSD                      | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           | % Solid:        | 90.7             |
| Sample Wt/Vol:     | 50.06 Units: g                   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140005.D        | 1         | 10/22/24 10:44 | 10/24/24 17:17 | PB164312      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 340   |           | 120  | 220        | ug/Kg             |
| 108-95-2       | Phenol                      | 1100  |           | 54.8 | 110        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1100  |           | 55.3 | 110        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 1100  |           | 55.2 | 110        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 1100  |           | 53.3 | 110        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1000  |           | 60.1 | 110        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1100  |           | 57.4 | 110        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1100  |           | 52.7 | 220        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1100  |           | 26.6 | 52.9       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 1100  |           | 54.8 | 110        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 1100  |           | 60.0 | 110        | ug/Kg             |
| 78-59-1        | Isophorone                  | 1100  |           | 55.9 | 110        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 1400  |           | 62.4 | 110        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1300  |           | 61.6 | 110        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1100  |           | 56.7 | 110        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 1100  |           | 49.9 | 110        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 1100  |           | 54.6 | 110        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 390   |           | 54.6 | 110        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 1100  |           | 55.0 | 110        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1100  |           | 57.4 | 220        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1100  |           | 51.2 | 110        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 1100  |           | 54.5 | 110        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 4000  | E         | 100  | 220        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1200  |           | 47.2 | 110        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 1100  |           | 48.9 | 110        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1100  |           | 57.7 | 110        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 1100  |           | 55.0 | 110        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1200  |           | 62.8 | 110        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 1200  |           | 54.0 | 110        | ug/Kg             |

## Report of Analysis

|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: | 10/21/24         |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24         |
| Client Sample ID:  | TP-1MSD                          | SDG No.:        | P4474            |
| Lab Sample ID:     | P4467-01MSD                      | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           | % Solid:        | 90.7             |
| Sample Wt/Vol:     | 50.06 Units: g                   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140005.D        | 1         | 10/22/24 10:44 | 10/24/24 17:17 | PB164312      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1200  |           | 57.2 | 110        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1200  |           | 55.0 | 110        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 750   |           | 58.9 | 110        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1200  |           | 53.6 | 110        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 2400  | E         | 160  | 220        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 2300  | E         | 76.6 | 220        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 1100  |           | 55.8 | 110        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1300  |           | 57.0 | 110        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 1100  |           | 52.9 | 110        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1100  |           | 56.6 | 110        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1100  |           | 56.5 | 110        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1200  |           | 70.7 | 110        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1500  |           | 77.3 | 220        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 1200  |           | 53.9 | 110        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1200  |           | 52.1 | 110        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 1200  |           | 56.2 | 110        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1400  |           | 60.4 | 110        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 2100  | E         | 51.1 | 220        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 1100  |           | 55.5 | 110        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1200  |           | 55.8 | 110        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1100  |           | 53.1 | 110        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1200  |           | 55.7 | 110        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 1000  |           | 54.0 | 110        | ug/Kg             |
| 129-00-0   | Pyrene                     | 1000  |           | 54.8 | 110        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1300  |           | 64.0 | 110        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 820   |           | 65.1 | 220        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1200  |           | 53.3 | 110        | ug/Kg             |
| 218-01-9   | Chrysene                   | 1100  |           | 52.5 | 110        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1500  |           | 60.1 | 110        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1400  |           | 72.7 | 220        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 1000  |           | 53.6 | 110        | ug/Kg             |

## Report of Analysis

|                    |                                  |                 |                  |
|--------------------|----------------------------------|-----------------|------------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected: | 10/21/24         |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24         |
| Client Sample ID:  | TP-1MSD                          | SDG No.:        | P4474            |
| Lab Sample ID:     | P4467-01MSD                      | Matrix:         | SOIL             |
| Analytical Method: | SW8270                           | % Solid:        | 90.7             |
| Sample Wt/Vol:     | 50.06 Units: g                   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0                 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541                           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140005.D        | 1         | 10/22/24 10:44 | 10/24/24 17:17 | PB164312      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1200   |           | 54.6                | 110        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1200   |           | 61.4                | 110        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1200   |           | 51.6                | 110        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1200   |           | 53.7                | 110        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 990    |           | 52.9                | 110        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1200   |           | 57.4                | 110        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 960    |           | 72.7                | 110        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1200   |           | 49.4                | 110        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 94.9   |           | 30 (18) - 130 (112) | 63%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 92.7   |           | 30 (15) - 130 (107) | 62%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 70.6   |           | 30 (18) - 130 (107) | 71%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 68.2   |           | 30 (20) - 130 (109) | 68%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 110    |           | 30 (10) - 130 (116) | 74%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 64.9   |           | 30 (10) - 130 (105) | 65%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 132000 | 6.893     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 501000 | 8.175     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 271000 | 9.928     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 451000 | 11.416    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 233000 | 14.051    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 308000 | 15.527    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF101824.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Fri Oct 18 15:07:50 2024  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BF139844.D 5 =BF139845.D 10 =BF139846.D 20 =BF139847.D 40 =BF139848.D 50 =BF139849.D 60 =BF139850.D 80 =BF139851.D

|       | Compound              | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD |
|-------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| ----- |                       |                |       |       |       |       |       |       |       |       |      |
| 1) I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 2)    | 1,4-Dioxane           | 0.651          | 0.625 | 0.603 | 0.591 | 0.571 | 0.581 | 0.548 | 0.596 | 5.74  |      |
| 3)    | Pyridine              | 1.622          | 1.570 | 1.522 | 1.504 | 1.386 | 1.406 | 1.326 | 1.476 | 7.26  |      |
| 4)    | n-Nitrosodimet...     | 0.815          | 0.800 | 0.799 | 0.806 | 0.782 | 0.794 | 0.757 | 0.793 | 2.39  |      |
| 5) S  | 2-Fluorophenol        | 1.465          | 1.398 | 1.331 | 1.278 | 1.179 | 1.186 | 1.106 | 1.278 | 10.10 |      |
| 6)    | Aniline               | 1.673          | 1.649 | 1.618 | 1.582 | 1.471 | 1.479 | 1.324 | 1.542 | 8.05  |      |
| 7) S  | Phenol-d6             | 1.900          | 1.818 | 1.709 | 1.647 | 1.538 | 1.539 | 1.432 | 1.655 | 10.06 |      |
| 8)    | 2-Chlorophenol        | 1.503          | 1.422 | 1.358 | 1.310 | 1.212 | 1.221 | 1.116 | 1.306 | 10.24 |      |
| 9)    | Benzaldehyde          |                | 1.137 | 1.042 | 0.940 | 0.873 | 0.853 | 0.740 | 0.931 | 15.22 |      |
| 10) C | Phenol                | 1.952          | 1.832 | 1.760 | 1.712 | 1.583 | 1.601 | 1.502 | 1.706 | 9.19  |      |
| 11)   | bis(2-Chloroet...     | 1.470          | 1.423 | 1.359 | 1.294 | 1.251 | 1.249 | 1.183 | 1.319 | 7.82  |      |
| 12)   | 1,3-Dichlorobe...     | 1.718          | 1.656 | 1.544 | 1.499 | 1.392 | 1.391 | 1.294 | 1.499 | 10.19 |      |
| 13) C | 1,4-Dichlorobe...     | 1.723          | 1.641 | 1.558 | 1.487 | 1.392 | 1.391 | 1.291 | 1.498 | 10.19 |      |
| 14)   | 1,2-Dichlorobe...     | 1.660          | 1.579 | 1.478 | 1.379 | 1.273 | 1.267 | 1.149 | 1.398 | 13.15 |      |
| 15)   | Benzyl Alcohol        | 1.355          | 1.299 | 1.257 | 1.213 | 1.154 | 1.146 | 1.071 | 1.214 | 8.07  |      |
| 16)   | 2,2'-oxybis(1-...     | 2.524          | 2.409 | 2.353 | 2.255 | 2.117 | 2.115 | 1.964 | 2.248 | 8.69  |      |
| 17)   | 2-Methylphenol        | 1.264          | 1.164 | 1.134 | 1.114 | 1.053 | 1.063 | 1.004 | 1.114 | 7.69  |      |
| 18)   | Hexachloroethane      | 0.583          | 0.571 | 0.549 | 0.541 | 0.507 | 0.511 | 0.477 | 0.534 | 7.06  |      |
| 19) P | n-Nitroso-di-n...     | 1.105          | 1.141 | 1.066 | 1.025 | 0.974 | 0.921 | 0.927 | 0.869 | 1.004 | 9.63 |
| 20)   | 3+4-Methylphenols     | 1.678          | 1.573 | 1.520 | 1.418 | 1.309 | 1.300 | 1.173 | 1.424 | 12.41 |      |
|       |                       |                |       |       |       |       |       |       |       |       |      |
| 21) I | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 22)   | Acetophenone          | 0.578          | 0.533 | 0.516 | 0.481 | 0.452 | 0.454 | 0.414 | 0.490 | 11.43 |      |
| 23) S | Nitrobenzene-d5       | 0.365          | 0.365 | 0.372 | 0.371 | 0.354 | 0.357 | 0.342 | 0.361 | 2.92  |      |
| 24)   | Nitrobenzene          | 0.417          | 0.402 | 0.408 | 0.403 | 0.383 | 0.388 | 0.370 | 0.396 | 4.10  |      |
| 25)   | Isophorone            | 0.755          | 0.709 | 0.702 | 0.679 | 0.652 | 0.660 | 0.637 | 0.685 | 5.90  |      |
| 26) C | 2-Nitrophenol         | 0.124          | 0.137 | 0.150 | 0.157 | 0.158 | 0.161 | 0.157 | 0.149 | 9.22  |      |
| 27)   | 2,4-Dimethylph...     | 0.285          | 0.259 | 0.256 | 0.248 | 0.237 | 0.234 | 0.223 | 0.249 | 8.07  |      |
| 28)   | bis(2-Chloroet...     | 0.468          | 0.440 | 0.432 | 0.412 | 0.394 | 0.390 | 0.369 | 0.415 | 8.22  |      |
| 29) C | 2,4-Dichloroph...     | 0.308          | 0.297 | 0.293 | 0.283 | 0.272 | 0.274 | 0.257 | 0.283 | 6.17  |      |
| 30)   | 1,2,4-Trichlor...     | 0.351          | 0.331 | 0.325 | 0.315 | 0.298 | 0.298 | 0.279 | 0.314 | 7.68  |      |
| 31)   | Naphthalene           | 1.209          | 1.121 | 1.091 | 1.023 | 0.958 | 0.944 | 0.875 | 1.031 | 11.23 |      |
| 32)   | Benzoic acid          |                | 0.175 | 0.207 | 0.220 | 0.231 | 0.235 | 0.235 | 0.217 | 10.69 |      |
| 33)   | 4-Chloroaniline       | 0.397          | 0.382 | 0.368 | 0.351 | 0.332 | 0.326 | 0.306 | 0.352 | 9.26  |      |
| 34) C | Hexachlorobuta...     | 0.224          | 0.206 | 0.203 | 0.197 | 0.185 | 0.187 | 0.177 | 0.197 | 7.96  |      |
| 35)   | Caprolactam           | 0.092          | 0.092 | 0.092 | 0.092 | 0.088 | 0.088 | 0.086 | 0.090 | 2.85  |      |
| 36) C | 4-Chloro-3-met...     | 0.341          | 0.328 | 0.324 | 0.315 | 0.299 | 0.303 | 0.287 | 0.314 | 6.03  |      |
| 37)   | 2-Methylnaphth...     | 0.740          | 0.689 | 0.666 | 0.621 | 0.587 | 0.583 | 0.537 | 0.632 | 11.11 |      |
| 38)   | 1-Methylnaphth...     | 0.726          | 0.683 | 0.655 | 0.612 | 0.569 | 0.567 | 0.526 | 0.620 | 11.55 |      |



Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF101824.M

|       |                    |                |       |       |       |       |       |       |       |       |  |
|-------|--------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39) I | Acenaphthene-d10   | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 40)   | 1,2,4,5-Tetrac...  | 0.609          | 0.579 | 0.562 | 0.537 | 0.512 | 0.506 | 0.472 | 0.540 | 8.72  |  |
| 41) P | Hexachlorocycl...  | 0.185          | 0.193 | 0.198 | 0.198 | 0.186 | 0.185 | 0.169 | 0.188 | 5.28  |  |
| 42) S | 2,4,6-Tribromo...  | 0.201          | 0.196 | 0.193 | 0.188 | 0.179 | 0.180 | 0.173 | 0.187 | 5.47  |  |
| 43) C | 2,4,6-Trichlor...  | 0.405          | 0.382 | 0.400 | 0.387 | 0.363 | 0.383 | 0.354 | 0.382 | 4.80  |  |
| 44)   | 2,4,5-Trichlor...  | 0.426          | 0.425 | 0.398 | 0.401 | 0.381 | 0.369 | 0.359 | 0.394 | 6.58  |  |
| 45) S | 2-Fluorobiphenyl   | 1.512          | 1.396 | 1.280 | 1.162 | 1.088 | 1.060 | 0.973 | 1.210 | 16.05 |  |
| 46)   | 1,1'-Biphenyl      | 1.640          | 1.536 | 1.483 | 1.379 | 1.285 | 1.262 | 1.161 | 1.392 | 12.18 |  |
| 47)   | 2-Chloronaphth...  | 1.288          | 1.225 | 1.164 | 1.111 | 1.048 | 1.040 | 0.973 | 1.121 | 9.95  |  |
| 48)   | 2-Nitroaniline     | 0.299          | 0.318 | 0.353 | 0.365 | 0.354 | 0.362 | 0.349 | 0.343 | 7.20  |  |
| 49)   | Acenaphthylene     | 1.854          | 1.756 | 1.717 | 1.615 | 1.507 | 1.505 | 1.394 | 1.621 | 10.06 |  |
| 50)   | Dimethylphthalate  | 1.410          | 1.344 | 1.283 | 1.237 | 1.172 | 1.163 | 1.110 | 1.246 | 8.60  |  |
| 51)   | 2,6-Dinitrotol...  | 0.256          | 0.266 | 0.278 | 0.280 | 0.273 | 0.274 | 0.260 | 0.270 | 3.41  |  |
| 52) C | Acenaphthene       | 1.200          | 1.136 | 1.089 | 1.044 | 0.977 | 0.983 | 0.913 | 1.049 | 9.55  |  |
| 53)   | 3-Nitroaniline     | 0.270          | 0.275 | 0.296 | 0.292 | 0.276 | 0.282 | 0.256 | 0.278 | 4.84  |  |
| 54) P | 2,4-Dinitrophenol  |                | 0.056 | 0.077 | 0.101 | 0.101 | 0.113 | 0.112 | 0.093 | 23.89 |  |
| 55)   | Dibenzofuran       | 1.767          | 1.659 | 1.579 | 1.486 | 1.389 | 1.375 | 1.278 | 1.505 | 11.52 |  |
| 56) P | 4-Nitrophenol      | 0.187          | 0.207 | 0.225 | 0.232 | 0.219 | 0.220 | 0.208 | 0.214 | 6.84  |  |
| 57)   | 2,4-Dinitrotol...  | 0.280          | 0.314 | 0.337 | 0.356 | 0.344 | 0.351 | 0.338 | 0.332 | 7.94  |  |
| 58)   | Fluorene           | 1.409          | 1.309 | 1.201 | 1.110 | 1.029 | 1.021 | 0.944 | 1.146 | 14.68 |  |
| 59)   | 2,3,4,6-Tetrac...  | 0.334          | 0.322 | 0.326 | 0.310 | 0.296 | 0.293 | 0.281 | 0.309 | 6.33  |  |
| 60)   | Diethylphthalate   | 1.366          | 1.308 | 1.267 | 1.214 | 1.165 | 1.161 | 1.080 | 1.223 | 7.99  |  |
| 61)   | 4-Chlorophenyl...  | 0.698          | 0.638 | 0.617 | 0.569 | 0.526 | 0.520 | 0.484 | 0.579 | 13.14 |  |
| 62)   | 4-Nitroaniline     | 0.249          | 0.259 | 0.270 | 0.275 | 0.263 | 0.269 | 0.254 | 0.263 | 3.65  |  |
| 63)   | Azobenzene         | 1.459          | 1.385 | 1.355 | 1.306 | 1.216 | 1.212 | 1.143 | 1.297 | 8.62  |  |
| 64) I | Phenanthrene-d10   | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 65)   | 4,6-Dinitro-2-...  |                | 0.055 | 0.072 | 0.087 | 0.090 | 0.092 | 0.093 | 0.082 | 18.60 |  |
| 66) c | n-Nitrosodiphe...  | 0.672          | 0.641 | 0.621 | 0.595 | 0.568 | 0.561 | 0.533 | 0.599 | 8.14  |  |
| 67)   | 4-Bromophenyl-...  | 0.230          | 0.217 | 0.211 | 0.202 | 0.197 | 0.196 | 0.189 | 0.206 | 6.98  |  |
| 68)   | Hexachlorobenzene  | 0.258          | 0.245 | 0.237 | 0.231 | 0.217 | 0.221 | 0.212 | 0.232 | 7.20  |  |
| 69)   | Atrazine           | 0.189          | 0.175 | 0.156 | 0.175 | 0.135 | 0.153 | 0.151 | 0.162 | 11.36 |  |
| 70) C | Pentachlorophenol  | 0.118          | 0.137 | 0.148 | 0.152 | 0.145 | 0.144 | 0.140 | 0.141 | 8.04  |  |
| 71)   | Phenanthrene       | 1.121          | 1.035 | 0.994 | 0.933 | 0.863 | 0.860 | 0.807 | 0.945 | 11.79 |  |
| 72)   | Anthracene         | 1.082          | 1.014 | 0.972 | 0.913 | 0.851 | 0.833 | 0.787 | 0.922 | 11.53 |  |
| 73)   | Carbazole          | 1.002          | 0.964 | 0.923 | 0.846 | 0.776 | 0.772 | 0.717 | 0.857 | 12.64 |  |
| 74)   | Di-n-butylphth...  | 1.104          | 1.071 | 1.062 | 1.014 | 0.923 | 0.909 | 0.850 | 0.990 | 9.77  |  |
| 75) C | Fluoranthene       | 1.149          | 1.108 | 1.036 | 0.943 | 0.842 | 0.835 | 0.772 | 0.955 | 15.34 |  |
| 76) I | Chrysene-d12       | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 77)   | Benzidine          | 0.457          | 0.461 | 0.293 | 0.366 | 0.276 | 0.203 | 0.246 | 0.329 | 30.86 |  |
| 78)   | Pyrene             | 1.892          | 1.828 | 1.900 | 1.805 | 1.685 | 1.649 | 1.496 | 1.751 | 8.43  |  |
| 79) S | Terphenyl-d14      | 1.381          | 1.335 | 1.340 | 1.244 | 1.154 | 1.121 | 1.018 | 1.227 | 10.96 |  |
| 80)   | Butylbenzylphth... | 0.490          | 0.513 | 0.536 | 0.555 | 0.535 | 0.531 | 0.514 | 0.525 | 3.99  |  |
| 81)   | Benzo(a)anthra...  | 1.425          | 1.355 | 1.329 | 1.331 | 1.267 | 1.237 | 1.169 | 1.302 | 6.48  |  |
| 82)   | 3,3'-Dichlorob...  | 0.368          | 0.372 | 0.390 | 0.387 | 0.374 | 0.382 | 0.384 | 0.380 | 2.15  |  |
| 83)   | Chrysene           | 1.325          | 1.244 | 1.234 | 1.167 | 1.134 | 1.151 | 1.101 | 1.194 | 6.52  |  |
| 84)   | Bis(2-ethylhex...  | 0.520          | 0.539 | 0.577 | 0.626 | 0.620 | 0.626 | 0.614 | 0.589 | 7.48  |  |
| 85) c | Di-n-octyl pht...  |                | 0.786 | 0.930 | 1.135 | 1.182 | 1.207 | 1.186 | 1.071 | 16.14 |  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
Method File : 8270-BF101824.M

|       |                   |                |       |       |       |       |       |       |       |       |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 86) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 87)   | Indeno(1,2,3-c... | 1.209          | 1.261 | 1.307 | 1.352 | 1.299 | 1.326 | 1.253 | 1.287 | 3.77  |
| 88)   | Benzo(b)fluora... | 1.317          | 1.240 | 1.319 | 1.196 | 1.105 | 1.239 | 1.111 | 1.218 | 7.15  |
| 89)   | Benzo(k)fluora... | 1.213          | 1.177 | 0.992 | 1.066 | 1.030 | 0.929 | 0.947 | 1.051 | 10.42 |
| 90) C | Benzo(a)pyrene    | 1.030          | 1.024 | 1.018 | 1.025 | 0.974 | 0.999 | 0.947 | 1.002 | 3.12  |
| 91)   | Dibenzo(a,h)an... | 1.021          | 1.064 | 1.103 | 1.120 | 1.083 | 1.085 | 1.036 | 1.073 | 3.31  |
| 92)   | Benzo(g,h,i)pe... | 1.030          | 1.046 | 1.090 | 1.128 | 1.081 | 1.095 | 1.035 | 1.072 | 3.37  |

-----  
(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Instrument ID: BNA\_F Calibration Date/Time: 10/23/2024 15:30

Lab File ID: BF139965.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.278 | 1.233  |            | -3.5  |       |
| Benzaldehyde                | 0.931 | 0.939  |            | 0.9   |       |
| Phenol-d6                   | 1.655 | 1.579  |            | -4.6  |       |
| Phenol                      | 1.706 | 1.663  |            | -2.5  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.319 | 1.273  |            | -3.5  |       |
| 2-Chlorophenol              | 1.306 | 1.291  |            | -1.1  |       |
| 2-Methylphenol              | 1.114 | 1.099  |            | -1.3  |       |
| 2,2-oxybis(1-Chloropropane) | 2.248 | 2.018  |            | -10.2 |       |
| Acetophenone                | 0.490 | 0.467  |            | -4.7  |       |
| 3+4-Methylphenols           | 1.424 | 1.388  |            | -2.5  |       |
| n-Nitroso-di-n-propylamine  | 1.004 | 0.918  | 0.050      | -8.6  |       |
| Nitrobenzene-d5             | 0.361 | 0.370  |            | 2.5   |       |
| Hexachloroethane            | 0.534 | 0.530  |            | -0.7  |       |
| Nitrobenzene                | 0.396 | 0.391  |            | -1.3  |       |
| Isophorone                  | 0.685 | 0.651  |            | -5.0  |       |
| 2-Nitrophenol               | 0.149 | 0.175  |            | 17.5  | 20.0  |
| 2,4-Dimethylphenol          | 0.249 | 0.239  |            | -4.0  |       |
| bis(2-Chloroethoxy)methane  | 0.415 | 0.397  |            | -4.3  |       |
| 2,4-Dichlorophenol          | 0.283 | 0.283  |            | 0.0   | 20.0  |
| Naphthalene                 | 1.031 | 1.011  |            | -1.9  |       |
| 4-Chloroaniline             | 0.352 | 0.340  |            | -3.4  |       |
| Hexachlorobutadiene         | 0.197 | 0.199  |            | 1.0   | 20.0  |
| Caprolactam                 | 0.090 | 0.092  |            | 2.2   |       |
| 4-Chloro-3-methylphenol     | 0.314 | 0.308  |            | -1.9  | 20.0  |
| 2-Methylnaphthalene         | 0.632 | 0.618  |            | -2.2  |       |
| Hexachlorocyclopentadiene   | 0.188 | 0.193  | 0.050      | 2.7   |       |
| 2,4,6-Trichlorophenol       | 0.382 | 0.381  |            | -0.3  | 20.0  |
| 2-Fluorobiphenyl            | 1.210 | 1.169  |            | -3.4  |       |
| 2,4,5-Trichlorophenol       | 0.394 | 0.415  |            | 5.3   |       |
| 1,1-Biphenyl                | 1.392 | 1.351  |            | -2.9  |       |
| 2-Chloronaphthalene         | 1.121 | 1.097  |            | -2.1  |       |
| 2-Nitroaniline              | 0.343 | 0.369  |            | 7.6   |       |
| Dimethylphthalate           | 1.246 | 1.226  |            | -1.6  |       |
| Acenaphthylene              | 1.621 | 1.588  |            | -2.0  |       |
| 2,6-Dinitrotoluene          | 0.270 | 0.289  |            | 7.0   |       |
| 3-Nitroaniline              | 0.278 | 0.292  |            | 5.0   |       |
| Acenaphthene                | 1.049 | 1.051  |            | 0.2   | 20.0  |
| 2,4-Dinitrophenol           | 0.093 | 0.139  | 0.050      | 49.5  |       |
| 4-Nitrophenol               | 0.214 | 0.228  | 0.050      | 6.5   |       |

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Instrument ID: BNA\_F Calibration Date/Time: 10/23/2024 15:30

Lab File ID: BF139965.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.505 | 1.458  |            | -3.1  |       |
| 2,4-Dinitrotoluene         | 0.332 | 0.379  |            | 14.2  |       |
| Diethylphthalate           | 1.223 | 1.211  |            | -1.0  |       |
| 4-Chlorophenyl-phenylether | 0.579 | 0.574  |            | -0.9  |       |
| Fluorene                   | 1.146 | 1.118  |            | -2.4  |       |
| 4-Nitroaniline             | 0.263 | 0.280  |            | 6.5   |       |
| 4,6-Dinitro-2-methylphenol | 0.082 | 0.112  |            | 36.6  |       |
| n-Nitrosodiphenylamine     | 0.599 | 0.583  |            | -2.7  | 20.0  |
| 2,4,6-Tribromophenol       | 0.187 | 0.204  |            | 9.1   |       |
| 4-Bromophenyl-phenylether  | 0.206 | 0.211  |            | 2.4   |       |
| Hexachlorobenzene          | 0.232 | 0.234  |            | 0.9   |       |
| Atrazine                   | 0.162 | 0.166  |            | 2.5   |       |
| Pentachlorophenol          | 0.141 | 0.157  |            | 11.3  | 20.0  |
| Phenanthrene               | 0.945 | 0.920  |            | -2.6  |       |
| Anthracene                 | 0.922 | 0.894  |            | -3.0  |       |
| Carbazole                  | 0.857 | 0.815  |            | -4.9  |       |
| Di-n-butylphthalate        | 0.990 | 0.956  |            | -3.4  |       |
| Fluoranthene               | 0.955 | 0.893  |            | -6.5  | 20.0  |
| Pyrene                     | 1.751 | 1.731  |            | -1.1  |       |
| Terphenyl-d14              | 1.227 | 1.227  |            | 0.0   |       |
| Butylbenzylphthalate       | 0.525 | 0.540  |            | 2.9   |       |
| 3,3-Dichlorobenzidine      | 0.380 | 0.447  |            | 17.6  |       |
| Benzo (a) anthracene       | 1.302 | 1.293  |            | -0.7  |       |
| Chrysene                   | 1.194 | 1.157  |            | -3.1  |       |
| Bis(2-ethylhexyl)phthalate | 0.589 | 0.666  |            | 13.1  |       |
| Di-n-octyl phthalate       | 1.071 | 1.198  |            | 11.9  | 20.0  |
| Benzo (b) fluoranthene     | 1.218 | 1.083  |            | -11.1 |       |
| Benzo (k) fluoranthene     | 1.051 | 1.048  |            | -0.3  |       |
| Benzo (a) pyrene           | 1.002 | 0.978  |            | -2.4  | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.287 | 1.280  |            | -0.5  |       |
| Dibenzo (a,h) anthracene   | 1.073 | 1.060  |            | -1.2  |       |
| Benzo (g,h,i) perylene     | 1.072 | 1.053  |            | -1.8  |       |
| 1,2,4,5-Tetrachlorobenzene | 0.540 | 0.540  |            | 0.0   |       |
| 1,4-Dioxane                | 0.596 | 0.581  |            | -2.5  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.324  |            | 4.9   |       |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Instrument ID: BNA\_F Calibration Date/Time: 10/24/2024 09:55

Lab File ID: BF139990.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.278 | 1.208  |            | -5.5  |       |
| Benzaldehyde                | 0.931 | 0.831  |            | -10.7 |       |
| Phenol-d6                   | 1.655 | 1.504  |            | -9.1  |       |
| Phenol                      | 1.706 | 1.572  |            | -7.9  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.319 | 1.218  |            | -7.7  |       |
| 2-Chlorophenol              | 1.306 | 1.240  |            | -5.1  |       |
| 2-Methylphenol              | 1.114 | 1.030  |            | -7.5  |       |
| 2,2-oxybis(1-Chloropropane) | 2.248 | 1.937  |            | -13.8 |       |
| Acetophenone                | 0.490 | 0.464  |            | -5.3  |       |
| 3+4-Methylphenols           | 1.424 | 1.299  |            | -8.8  |       |
| n-Nitroso-di-n-propylamine  | 1.004 | 0.880  | 0.050      | -12.4 |       |
| Nitrobenzene-d5             | 0.361 | 0.374  |            | 3.6   |       |
| Hexachloroethane            | 0.534 | 0.521  |            | -2.4  |       |
| Nitrobenzene                | 0.396 | 0.392  |            | -1.0  |       |
| Isophorone                  | 0.685 | 0.644  |            | -6.0  |       |
| 2-Nitrophenol               | 0.149 | 0.177  |            | 18.8  | 20.0  |
| 2,4-Dimethylphenol          | 0.249 | 0.234  |            | -6.0  |       |
| bis(2-Chloroethoxy)methane  | 0.415 | 0.394  |            | -5.1  |       |
| 2,4-Dichlorophenol          | 0.283 | 0.280  |            | -1.1  | 20.0  |
| Naphthalene                 | 1.031 | 1.003  |            | -2.7  |       |
| 4-Chloroaniline             | 0.352 | 0.334  |            | -5.1  |       |
| Hexachlorobutadiene         | 0.197 | 0.202  |            | 2.5   | 20.0  |
| Caprolactam                 | 0.090 | 0.088  |            | -2.2  |       |
| 4-Chloro-3-methylphenol     | 0.314 | 0.299  |            | -4.8  | 20.0  |
| 2-Methylnaphthalene         | 0.632 | 0.616  |            | -2.5  |       |
| Hexachlorocyclopentadiene   | 0.188 | 0.207  | 0.050      | 10.1  |       |
| 2,4,6-Trichlorophenol       | 0.382 | 0.403  |            | 5.5   | 20.0  |
| 2-Fluorobiphenyl            | 1.210 | 1.183  |            | -2.2  |       |
| 2,4,5-Trichlorophenol       | 0.394 | 0.395  |            | 0.3   |       |
| 1,1-Biphenyl                | 1.392 | 1.371  |            | -1.5  |       |
| 2-Chloronaphthalene         | 1.121 | 1.110  |            | -1.0  |       |
| 2-Nitroaniline              | 0.343 | 0.362  |            | 5.5   |       |
| Dimethylphthalate           | 1.246 | 1.208  |            | -3.0  |       |
| Acenaphthylene              | 1.621 | 1.581  |            | -2.5  |       |
| 2,6-Dinitrotoluene          | 0.270 | 0.286  |            | 5.9   |       |
| 3-Nitroaniline              | 0.278 | 0.284  |            | 2.2   |       |
| Acenaphthene                | 1.049 | 1.051  |            | 0.2   | 20.0  |
| 2,4-Dinitrophenol           | 0.093 | 0.148  | 0.050      | 59.1  |       |
| 4-Nitrophenol               | 0.214 | 0.229  | 0.050      | 7.0   |       |

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Instrument ID: BNA\_F Calibration Date/Time: 10/24/2024 09:55

Lab File ID: BF139990.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.505 | 1.448  |            | -3.8  |       |
| 2,4-Dinitrotoluene         | 0.332 | 0.371  |            | 11.7  |       |
| Diethylphthalate           | 1.223 | 1.175  |            | -3.9  |       |
| 4-Chlorophenyl-phenylether | 0.579 | 0.580  |            | 0.2   |       |
| Fluorene                   | 1.146 | 1.110  |            | -3.1  |       |
| 4-Nitroaniline             | 0.263 | 0.259  |            | -1.5  |       |
| 4,6-Dinitro-2-methylphenol | 0.082 | 0.117  |            | 42.7  |       |
| n-Nitrosodiphenylamine     | 0.599 | 0.588  |            | -1.8  | 20.0  |
| 2,4,6-Tribromophenol       | 0.187 | 0.205  |            | 9.6   |       |
| 4-Bromophenyl-phenylether  | 0.206 | 0.216  |            | 4.9   |       |
| Hexachlorobenzene          | 0.232 | 0.240  |            | 3.4   |       |
| Atrazine                   | 0.162 | 0.161  |            | -0.6  |       |
| Pentachlorophenol          | 0.141 | 0.164  |            | 16.3  | 20.0  |
| Phenanthrene               | 0.945 | 0.917  |            | -3.0  |       |
| Anthracene                 | 0.922 | 0.908  |            | -1.5  |       |
| Carbazole                  | 0.857 | 0.802  |            | -6.4  |       |
| Di-n-butylphthalate        | 0.990 | 0.948  |            | -4.2  |       |
| Fluoranthene               | 0.955 | 0.903  |            | -5.4  | 20.0  |
| Pyrene                     | 1.751 | 1.844  |            | 5.3   |       |
| Terphenyl-d14              | 1.227 | 1.286  |            | 4.8   |       |
| Butylbenzylphthalate       | 0.525 | 0.536  |            | 2.1   |       |
| 3,3-Dichlorobenzidine      | 0.380 | 0.412  |            | 8.4   |       |
| Benzo (a) anthracene       | 1.302 | 1.275  |            | -2.1  |       |
| Chrysene                   | 1.194 | 1.140  |            | -4.5  |       |
| Bis(2-ethylhexyl)phthalate | 0.589 | 0.640  |            | 8.7   |       |
| Di-n-octyl phthalate       | 1.071 | 1.138  |            | 6.3   | 20.0  |
| Benzo (b) fluoranthene     | 1.218 | 1.075  |            | -11.7 |       |
| Benzo (k) fluoranthene     | 1.051 | 1.055  |            | 0.4   |       |
| Benzo (a) pyrene           | 1.002 | 0.994  |            | -0.8  | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.287 | 1.421  |            | 10.4  |       |
| Dibenzo (a,h) anthracene   | 1.073 | 1.182  |            | 10.2  |       |
| Benzo (g,h,i) perylene     | 1.072 | 1.222  |            | 14.0  |       |
| 1,2,4,5-Tetrachlorobenzene | 0.540 | 0.551  |            | 2.0   |       |
| 1,4-Dioxane                | 0.596 | 0.552  |            | -7.4  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.322  |            | 4.2   |       |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Instrument ID: BNA\_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.278 | 1.208  |            | -5.5  |       |
| Benzaldehyde                | 0.931 | 0.931  |            | 0.0   |       |
| Phenol-d6                   | 1.655 | 1.521  |            | -8.1  |       |
| Phenol                      | 1.706 | 1.601  |            | -6.2  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.319 | 1.259  |            | -4.5  |       |
| 2-Chlorophenol              | 1.306 | 1.259  |            | -3.6  |       |
| 2-Methylphenol              | 1.114 | 1.047  |            | -6.0  |       |
| 2,2-oxybis(1-Chloropropane) | 2.248 | 1.948  |            | -13.3 |       |
| Acetophenone                | 0.490 | 0.472  |            | -3.7  |       |
| 3+4-Methylphenols           | 1.424 | 1.322  |            | -7.2  |       |
| n-Nitroso-di-n-propylamine  | 1.004 | 0.889  | 0.050      | -11.5 |       |
| Nitrobenzene-d5             | 0.361 | 0.374  |            | 3.6   |       |
| Hexachloroethane            | 0.534 | 0.526  |            | -1.5  |       |
| Nitrobenzene                | 0.396 | 0.397  |            | 0.3   |       |
| Isophorone                  | 0.685 | 0.655  |            | -4.4  |       |
| 2-Nitrophenol               | 0.149 | 0.178  |            | 19.5  | 20.0  |
| 2,4-Dimethylphenol          | 0.249 | 0.238  |            | -4.4  |       |
| bis(2-Chloroethoxy)methane  | 0.415 | 0.407  |            | -1.9  |       |
| 2,4-Dichlorophenol          | 0.283 | 0.285  |            | 0.7   | 20.0  |
| Naphthalene                 | 1.031 | 1.015  |            | -1.6  |       |
| 4-Chloroaniline             | 0.352 | 0.336  |            | -4.5  |       |
| Hexachlorobutadiene         | 0.197 | 0.203  |            | 3.0   | 20.0  |
| Caprolactam                 | 0.090 | 0.089  |            | -1.1  |       |
| 4-Chloro-3-methylphenol     | 0.314 | 0.306  |            | -2.5  | 20.0  |
| 2-Methylnaphthalene         | 0.632 | 0.623  |            | -1.4  |       |
| Hexachlorocyclopentadiene   | 0.188 | 0.199  | 0.050      | 5.9   |       |
| 2,4,6-Trichlorophenol       | 0.382 | 0.387  |            | 1.3   | 20.0  |
| 2-Fluorobiphenyl            | 1.210 | 1.197  |            | -1.1  |       |
| 2,4,5-Trichlorophenol       | 0.394 | 0.415  |            | 5.3   |       |
| 1,1-Biphenyl                | 1.392 | 1.393  |            | 0.1   |       |
| 2-Chloronaphthalene         | 1.121 | 1.127  |            | 0.5   |       |
| 2-Nitroaniline              | 0.343 | 0.369  |            | 7.6   |       |
| Dimethylphthalate           | 1.246 | 1.232  |            | -1.1  |       |
| Acenaphthylene              | 1.621 | 1.600  |            | -1.3  |       |
| 2,6-Dinitrotoluene          | 0.270 | 0.292  |            | 8.1   |       |
| 3-Nitroaniline              | 0.278 | 0.285  |            | 2.5   |       |
| Acenaphthene                | 1.049 | 1.061  |            | 1.1   | 20.0  |
| 2,4-Dinitrophenol           | 0.093 | 0.142  | 0.050      | 52.7  |       |
| 4-Nitrophenol               | 0.214 | 0.216  | 0.050      | 0.9   |       |

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Instrument ID: BNA\_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.505 | 1.482  |            | -1.5  |       |
| 2,4-Dinitrotoluene         | 0.332 | 0.371  |            | 11.7  |       |
| Diethylphthalate           | 1.223 | 1.183  |            | -3.3  |       |
| 4-Chlorophenyl-phenylether | 0.579 | 0.577  |            | -0.3  |       |
| Fluorene                   | 1.146 | 1.115  |            | -2.7  |       |
| 4-Nitroaniline             | 0.263 | 0.268  |            | 1.9   |       |
| 4,6-Dinitro-2-methylphenol | 0.082 | 0.115  |            | 40.2  |       |
| n-Nitrosodiphenylamine     | 0.599 | 0.597  |            | -0.3  | 20.0  |
| 2,4,6-Tribromophenol       | 0.187 | 0.207  |            | 10.7  |       |
| 4-Bromophenyl-phenylether  | 0.206 | 0.220  |            | 6.8   |       |
| Hexachlorobenzene          | 0.232 | 0.242  |            | 4.3   |       |
| Atrazine                   | 0.162 | 0.163  |            | 0.6   |       |
| Pentachlorophenol          | 0.141 | 0.159  |            | 12.8  | 20.0  |
| Phenanthrene               | 0.945 | 0.922  |            | -2.4  |       |
| Anthracene                 | 0.922 | 0.910  |            | -1.3  |       |
| Carbazole                  | 0.857 | 0.810  |            | -5.5  |       |
| Di-n-butylphthalate        | 0.990 | 0.945  |            | -4.5  |       |
| Fluoranthene               | 0.955 | 0.896  |            | -6.2  | 20.0  |
| Pyrene                     | 1.751 | 1.855  |            | 5.9   |       |
| Terphenyl-d14              | 1.227 | 1.306  |            | 6.4   |       |
| Butylbenzylphthalate       | 0.525 | 0.544  |            | 3.6   |       |
| 3,3-Dichlorobenzidine      | 0.380 | 0.435  |            | 14.5  |       |
| Benzo (a) anthracene       | 1.302 | 1.322  |            | 1.5   |       |
| Chrysene                   | 1.194 | 1.125  |            | -5.8  |       |
| Bis(2-ethylhexyl)phthalate | 0.589 | 0.627  |            | 6.5   |       |
| Di-n-octyl phthalate       | 1.071 | 1.102  |            | 2.9   | 20.0  |
| Benzo (b) fluoranthene     | 1.218 | 1.087  |            | -10.8 |       |
| Benzo (k) fluoranthene     | 1.051 | 1.032  |            | -1.8  |       |
| Benzo (a) pyrene           | 1.002 | 0.984  |            | -1.8  | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.287 | 1.386  |            | 7.7   |       |
| Dibenzo (a,h) anthracene   | 1.073 | 1.154  |            | 7.5   |       |
| Benzo (g,h,i) perylene     | 1.072 | 1.167  |            | 8.9   |       |
| 1,2,4,5-Tetrachlorobenzene | 0.540 | 0.560  |            | 3.7   |       |
| 1,4-Dioxane                | 0.596 | 0.573  |            | -3.9  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.321  |            | 3.9   |       |

All other compounds must meet a minimum RRF of 0.010.





LAB CHRONICLE

|          |                      |            |                                  |
|----------|----------------------|------------|----------------------------------|
| OrderID: | P4474                | OrderDate: | 10/21/2024 3:19:00 PM            |
| Client:  | Yannuzzi Group, Inc. | Project:   | 86 Davidson Road, Piscataway, NJ |
| Contact: | Rafael Nunez         | Location:  | K61                              |

| LabID    | ClientID | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|---------------|--------|-------------|-----------|-----------|----------|
| P4474-01 | TS-2     | SOIL   |               |        | 10/18/24    |           |           | 10/21/24 |
|          |          |        | PCB           | 8082A  |             | 10/22/24  | 10/22/24  |          |
|          |          |        | Pesticide-TCL | 8081B  |             | 10/22/24  | 10/23/24  |          |
|          |          |        | TPH GC        | 8015D  |             | 10/22/24  | 10/22/24  |          |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** P4474

**Order ID:** P4474

**Client:** Yannuzzi Group, Inc.

**Project ID:** 86 Davidson Road, Piscataway, NJ

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|

Client ID :

**Total Concentration: 0.000**

A  
B  
C  
D  
E  
F  
G  
H



# SAMPLE DATA

## Report of Analysis

|                    |                                  |          |                    |               |           |
|--------------------|----------------------------------|----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    | 10/18/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     | 10/21/24      |           |
| Client Sample ID:  | TS-2                             |          | SDG No.:           | P4474         |           |
| Lab Sample ID:     | P4474-01                         |          | Matrix:            | SOIL          |           |
| Analytical Method: | SW8081                           |          | % Solid:           | 48.2          | Decanted: |
| Sample Wt/Vol:     | 30.05                            | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :     |                    |               |           |
| Prep Method :      | SW3541B                          |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092557.D        | 1         | 10/22/24 10:10 | 10/23/24 14:01 | PB164311      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 319-84-6          | alpha-BHC            | 0.37  | U         | 0.37                | 3.50       | ug/kg             |
| 319-85-7          | beta-BHC             | 1.00  | U         | 1.00                | 3.50       | ug/kg             |
| 319-86-8          | delta-BHC            | 0.97  | U         | 0.97                | 3.50       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.39  | U         | 0.39                | 3.50       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.35  | U         | 0.35                | 3.50       | ug/kg             |
| 309-00-2          | Aldrin               | 0.29  | U         | 0.29                | 3.50       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 0.48  | U         | 0.48                | 3.50       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.35  | U         | 0.35                | 3.50       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.31  | U         | 0.31                | 3.50       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 0.27  | U         | 0.27                | 3.50       | ug/kg             |
| 72-20-8           | Endrin               | 0.33  | U         | 0.33                | 3.50       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 0.62  | U         | 0.62                | 3.50       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 0.39  | U         | 0.39                | 3.50       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.27  | U         | 0.27                | 3.50       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.35  | U         | 0.35                | 3.50       | ug/kg             |
| 72-43-5           | Methoxychlor         | 0.79  | U         | 0.79                | 3.50       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 0.46  | U         | 0.46                | 3.50       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 0.81  | U         | 0.81                | 3.50       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.35  | U         | 0.35                | 3.50       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.39  | U         | 0.39                | 3.50       | ug/kg             |
| 8001-35-2         | Toxaphene            | 10.8  | U         | 10.8                | 68.4       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 10.9  |           | 30 (10) - 150 (148) | 54%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 13.8  |           | 30 (10) - 150 (159) | 69%        | SPK: 20           |

## Report of Analysis

|                    |                                  |          |                    |               |           |
|--------------------|----------------------------------|----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    | 10/18/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     | 10/21/24      |           |
| Client Sample ID:  | TS-2                             |          | SDG No.:           | P4474         |           |
| Lab Sample ID:     | P4474-01                         |          | Matrix:            | SOIL          |           |
| Analytical Method: | SW8081                           |          | % Solid:           | 48.2          | Decanted: |
| Sample Wt/Vol:     | 30.05                            | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :     |                    |               |           |
| Prep Method :      | SW3541B                          |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092557.D        | 1         | 10/22/24 10:10 | 10/23/24 14:01 | PB164311      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



# QC SUMMARY

### Surrogate Summary

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8081B

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits  |           |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|---------|-----------|
|                  |                  |                      |        |       |        |     |      | Low     | High      |
| I.BLK-PL092494.D | PIBLK-PL092494.D | Decachlorobiphenyl   | 1      | 20    | 21.5   | 107 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 22.0   | 110 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.4   | 107 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.0   | 100 |      | 30 (77) | 150 (126) |
| I.BLK-PL092551.D | PIBLK-PL092551.D | Decachlorobiphenyl   | 1      | 20    | 20.1   | 100 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 19.2   | 96  |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.6   | 108 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.1   | 101 |      | 30 (77) | 150 (126) |
| PB164311BL       | PB164311BL       | Decachlorobiphenyl   | 1      | 20    | 17.4   | 87  |      | 30 (10) | 150 (148) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 16.3   | 81  |      | 30 (10) | 150 (159) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 19.5   | 97  |      | 30 (10) | 150 (148) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.3   | 86  |      | 30 (10) | 150 (159) |
| PB164311BS       | PB164311BS       | Decachlorobiphenyl   | 1      | 20    | 19.4   | 97  |      | 30 (10) | 150 (148) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 17.7   | 89  |      | 30 (10) | 150 (159) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.9   | 110 |      | 30 (10) | 150 (148) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.5   | 92  |      | 30 (10) | 150 (159) |
| P4474-01         | TS-2             | Decachlorobiphenyl   | 1      | 20    | 9.49   | 47  |      | 30 (10) | 150 (148) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 12.2   | 61  |      | 30 (10) | 150 (159) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 10.9   | 54  |      | 30 (10) | 150 (148) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 13.8   | 69  |      | 30 (10) | 150 (159) |
| I.BLK-PL092566.D | PIBLK-PL092566.D | Decachlorobiphenyl   | 1      | 20    | 20.5   | 103 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 19.5   | 98  |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 22.6   | 113 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.5   | 102 |      | 30 (77) | 150 (126) |
| I.BLK-PL092589.D | PIBLK-PL092589.D | Decachlorobiphenyl   | 1      | 20    | 21.0   | 105 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.0   | 100 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 23.3   | 116 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.0   | 105 |      | 30 (77) | 150 (126) |
| P4472-01MS       | BP-F-28MS        | Decachlorobiphenyl   | 1      | 20    | 18.8   | 94  |      | 30 (10) | 150 (148) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 13.4   | 67  |      | 30 (10) | 150 (159) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 16.6   | 83  |      | 30 (10) | 150 (148) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 14.5   | 72  |      | 30 (10) | 150 (159) |
| P4472-01MSD      | BP-F-28MSD       | Decachlorobiphenyl   | 1      | 20    | 18.1   | 91  |      | 30 (10) | 150 (148) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 13.3   | 67  |      | 30 (10) | 150 (159) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 17.8   | 89  |      | 30 (10) | 150 (148) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 14.6   | 73  |      | 30 (10) | 150 (159) |
| I.BLK-PL092612.D | PIBLK-PL092612.D | Decachlorobiphenyl   | 1      | 20    | 22.3   | 111 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 21.4   | 107 |      | 30 (77) | 150 (126) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 23.4   | 117 |      | 30 (43) | 150 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 22.1   | 111 |      | 30 (77) | 150 (126) |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8081B

DataFile : PL092595.D

| Lab Sample ID:                  | Parameter           | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |         | Limits    |     |
|---------------------------------|---------------------|-------|--------|--------|-------|-----|------|-----|------|---------|-----------|-----|
|                                 |                     |       | Result | Result |       |     | Qual | RPD | Qual | Low     | High      | RPD |
| Client Sample ID:<br>P4472-01MS | BP-F-28MS           |       |        |        |       |     |      |     |      |         |           |     |
|                                 | alpha-BHC           | 18.56 | 0      | 11.2   | ug/kg | 60  |      |     |      | 30 (60) | 150 (144) |     |
|                                 | beta-BHC            | 18.56 | 0      | 12.4   | ug/kg | 67  |      |     |      | 30 (54) | 150 (143) |     |
|                                 | delta-BHC           | 18.56 | 0      | 12.0   | ug/kg | 65  |      |     |      | 30 (47) | 150 (144) |     |
|                                 | gamma-BHC (Lindane) | 18.56 | 0      | 12.3   | ug/kg | 66  |      |     |      | 30 (61) | 150 (140) |     |
|                                 | Heptachlor          | 18.56 | 0      | 12.8   | ug/kg | 69  |      |     |      | 30 (63) | 150 (135) |     |
|                                 | Aldrin              | 18.56 | 0      | 12.5   | ug/kg | 67  |      |     |      | 30 (49) | 150 (139) |     |
|                                 | Heptachlor epoxide  | 18.56 | 0      | 13.6   | ug/kg | 73  |      |     |      | 30 (32) | 150 (180) |     |
|                                 | Endosulfan I        | 18.56 | 0      | 13.7   | ug/kg | 74  |      |     |      | 30 (56) | 150 (142) |     |
|                                 | Dieldrin            | 18.56 | 0      | 13.6   | ug/kg | 73  |      |     |      | 30 (47) | 150 (161) |     |
|                                 | 4,4'-DDE            | 18.56 | 0      | 13.1   | ug/kg | 71  |      |     |      | 30 (55) | 150 (136) |     |
|                                 | Endrin              | 18.56 | 0      | 15.1   | ug/kg | 81  |      |     |      | 30 (57) | 150 (139) |     |
|                                 | Endosulfan II       | 18.56 | 0      | 15.0   | ug/kg | 81  |      |     |      | 30 (40) | 150 (163) |     |
|                                 | 4,4'-DDD            | 18.56 | 0      | 14.1   | ug/kg | 76  |      |     |      | 30 (37) | 150 (192) |     |
|                                 | Endosulfan sulfate  | 18.56 | 0      | 14.4   | ug/kg | 78  |      |     |      | 30 (62) | 150 (139) |     |
|                                 | 4,4'-DDT            | 18.56 | 0      | 14.7   | ug/kg | 79  |      |     |      | 30 (51) | 150 (146) |     |
|                                 | Methoxychlor        | 18.56 | 0      | 16.6   | ug/kg | 89  |      |     |      | 30 (54) | 150 (136) |     |
|                                 | Endrin ketone       | 18.56 | 0      | 14.6   | ug/kg | 79  |      |     |      | 30 (60) | 150 (129) |     |
|                                 | Endrin aldehyde     | 18.56 | 0      | 14.0   | ug/kg | 75  |      |     |      | 30 (59) | 150 (132) |     |
|                                 | alpha-Chlordane     | 18.56 | 0      | 14.1   | ug/kg | 76  |      |     |      | 30 (30) | 150 (192) |     |
|                                 | gamma-Chlordane     | 18.56 | 0      | 14.5   | ug/kg | 78  |      |     |      | 30 (44) | 150 (175) |     |



### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8081B

DataFile : PL092596.D

| Lab Sample ID:                   | Parameter           | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |         | Limits    |         |
|----------------------------------|---------------------|-------|--------|--------|-------|-----|------|-----|------|---------|-----------|---------|
|                                  |                     |       | Result | Result |       |     | Qual | RPD | Qual | Low     | High      | RPD     |
| Client Sample ID:<br>P4472-01MSD | BP-F-28MSD          |       |        |        |       |     |      |     |      |         |           |         |
|                                  | alpha-BHC           | 18.54 | 0      | 11.5   | ug/kg | 62  |      | 3   |      | 30 (60) | 150 (144) | 30 (20) |
|                                  | beta-BHC            | 18.54 | 0      | 12.3   | ug/kg | 66  |      | 2   |      | 30 (54) | 150 (143) | 30 (20) |
|                                  | delta-BHC           | 18.54 | 0      | 11.5   | ug/kg | 62  |      | 5   |      | 30 (47) | 150 (144) | 30 (20) |
|                                  | gamma-BHC (Lindane) | 18.54 | 0      | 12.3   | ug/kg | 66  |      | 0   |      | 30 (61) | 150 (140) | 30 (20) |
|                                  | Heptachlor          | 18.54 | 0      | 12.9   | ug/kg | 70  |      | 1   |      | 30 (63) | 150 (135) | 30 (20) |
|                                  | Aldrin              | 18.54 | 0      | 12.5   | ug/kg | 67  |      | 0   |      | 30 (49) | 150 (139) | 30 (20) |
|                                  | Heptachlor epoxide  | 18.54 | 0      | 14.1   | ug/kg | 76  |      | 4   |      | 30 (32) | 150 (180) | 30 (20) |
|                                  | Endosulfan I        | 18.54 | 0      | 14.8   | ug/kg | 80  |      | 8   |      | 30 (56) | 150 (142) | 30 (20) |
|                                  | Dieldrin            | 18.54 | 0      | 13.8   | ug/kg | 74  |      | 1   |      | 30 (47) | 150 (161) | 30 (20) |
|                                  | 4,4'-DDE            | 18.54 | 0      | 13.1   | ug/kg | 71  |      | 0   |      | 30 (55) | 150 (136) | 30 (20) |
|                                  | Endrin              | 18.54 | 0      | 15.0   | ug/kg | 81  |      | 0   |      | 30 (57) | 150 (139) | 30 (20) |
|                                  | Endosulfan II       | 18.54 | 0      | 15.5   | ug/kg | 84  |      | 4   |      | 30 (40) | 150 (163) | 30 (20) |
|                                  | 4,4'-DDD            | 18.54 | 0      | 15.0   | ug/kg | 81  |      | 6   |      | 30 (37) | 150 (192) | 30 (20) |
|                                  | Endosulfan sulfate  | 18.54 | 0      | 15.1   | ug/kg | 81  |      | 4   |      | 30 (62) | 150 (139) | 30 (20) |
|                                  | 4,4'-DDT            | 18.54 | 0      | 15.6   | ug/kg | 84  |      | 6   |      | 30 (51) | 150 (146) | 30 (20) |
|                                  | Methoxychlor        | 18.54 | 0      | 17.1   | ug/kg | 92  |      | 3   |      | 30 (54) | 150 (136) | 30 (20) |
|                                  | Endrin ketone       | 18.54 | 0      | 15.8   | ug/kg | 85  |      | 7   |      | 30 (60) | 150 (129) | 30 (20) |
|                                  | Endrin aldehyde     | 18.54 | 0      | 14.9   | ug/kg | 80  |      | 6   |      | 30 (59) | 150 (132) | 30 (20) |
|                                  | alpha-Chlordane     | 18.54 | 0      | 14.4   | ug/kg | 78  |      | 3   |      | 30 (30) | 150 (192) | 30 (20) |
|                                  | gamma-Chlordane     | 18.54 | 0      | 14.9   | ug/kg | 80  |      | 3   |      | 30 (44) | 150 (175) | 30 (20) |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: **8081B**

Datafile : PL092555.D

| Lab Sample ID | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |         | Limits    |     |
|---------------|---------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|-----|
|               |                     |       |        |       |     |     |      | Qual | Low     | High      | RPD |
| PB164311BS    | alpha-BHC           | 16.66 | 16.7   | ug/kg | 100 |     |      |      | 40 (84) | 140 (123) |     |
|               | beta-BHC            | 16.66 | 17.1   | ug/kg | 103 |     |      |      | 40 (82) | 140 (123) |     |
|               | delta-BHC           | 16.66 | 16.8   | ug/kg | 101 |     |      |      | 40 (83) | 140 (126) |     |
|               | gamma-BHC (Lindane) | 16.66 | 16.9   | ug/kg | 101 |     |      |      | 40 (83) | 140 (125) |     |
|               | Heptachlor          | 16.66 | 17.2   | ug/kg | 103 |     |      |      | 40 (83) | 140 (122) |     |
|               | Aldrin              | 16.66 | 17.2   | ug/kg | 103 |     |      |      | 40 (82) | 140 (124) |     |
|               | Heptachlor epoxide  | 16.66 | 17.9   | ug/kg | 107 |     |      |      | 40 (83) | 140 (120) |     |
|               | Endosulfan I        | 16.66 | 18.1   | ug/kg | 109 |     |      |      | 40 (81) | 140 (124) |     |
|               | Dieldrin            | 16.66 | 17.3   | ug/kg | 104 |     |      |      | 40 (85) | 140 (121) |     |
|               | 4,4'-DDE            | 16.66 | 17.3   | ug/kg | 104 |     |      |      | 40 (81) | 140 (123) |     |
|               | Endrin              | 16.66 | 16.5   | ug/kg | 99  |     |      |      | 40 (76) | 140 (130) |     |
|               | Endosulfan II       | 16.66 | 17.1   | ug/kg | 103 |     |      |      | 40 (80) | 140 (125) |     |
|               | 4,4'-DDD            | 16.66 | 17.3   | ug/kg | 104 |     |      |      | 40 (80) | 140 (131) |     |
|               | Endosulfan sulfate  | 16.66 | 17.1   | ug/kg | 103 |     |      |      | 40 (81) | 140 (122) |     |
|               | 4,4'-DDT            | 16.66 | 15.9   | ug/kg | 95  |     |      |      | 40 (70) | 140 (129) |     |
|               | Methoxychlor        | 16.66 | 17.4   | ug/kg | 104 |     |      |      | 40 (60) | 140 (119) |     |
|               | Endrin ketone       | 16.66 | 18.3   | ug/kg | 110 |     |      |      | 40 (77) | 140 (132) |     |
|               | Endrin aldehyde     | 16.66 | 17.6   | ug/kg | 106 |     |      |      | 40 (79) | 140 (124) |     |
|               | alpha-Chlordane     | 16.66 | 17.6   | ug/kg | 106 |     |      |      | 40 (84) | 140 (120) |     |
|               | gamma-Chlordane     | 16.66 | 17.2   | ug/kg | 103 |     |      |      | 40 (83) | 140 (122) |     |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164311BL

Lab Name: CHEMTECH

Contract: YANN01

Lab Code: CHEM Case No.: P4474

SAS No.: P4474 SDG NO.: P4474

Lab Sample ID: PB164311BL

Lab File ID: PL092554.D

Matrix: (soil/water) Solid

Extraction: (Type) \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/22/2024

Date Analyzed (1): 10/23/2024

Date Analyzed (2): 10/23/2024

Time Analyzed (1): 09:52

Time Analyzed (2): 09:52

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column (1): ZB-MR2 ID: 0.32 (mm)

GC Column (2): ZB-MR1 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB164311BS        | PB164311BS       | PL092555.D     | 10/23/2024         | 10/23/2024         |
| TS-2              | P4474-01         | PL092557.D     | 10/23/2024         | 10/23/2024         |
| BP-F-28MS         | P4472-01MS       | PL092595.D     | 10/24/2024         | 10/24/2024         |
| BP-F-28MSD        | P4472-01MSD      | PL092596.D     | 10/24/2024         | 10/24/2024         |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_



# QC SAMPLE DATA

## Report of Analysis

|                    |                                  |          |                    |               |           |
|--------------------|----------------------------------|----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    |               |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     |               |           |
| Client Sample ID:  | PB164311BL                       |          | SDG No.:           | P4474         |           |
| Lab Sample ID:     | PB164311BL                       |          | Matrix:            | SOIL          |           |
| Analytical Method: | SW8081                           |          | % Solid:           | 100           | Decanted: |
| Sample Wt/Vol:     | 30.02                            | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :     |                    |               |           |
| Prep Method :      | SW3541B                          |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092554.D        | 1         | 10/22/24 10:10 | 10/23/24 09:52 | PB164311      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 319-84-6          | alpha-BHC            | 0.18  | U         | 0.18                | 1.70       | ug/kg             |
| 319-85-7          | beta-BHC             | 0.49  | U         | 0.49                | 1.70       | ug/kg             |
| 319-86-8          | delta-BHC            | 0.47  | U         | 0.47                | 1.70       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.19  | U         | 0.19                | 1.70       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.17  | U         | 0.17                | 1.70       | ug/kg             |
| 309-00-2          | Aldrin               | 0.14  | U         | 0.14                | 1.70       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 0.23  | U         | 0.23                | 1.70       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.17  | U         | 0.17                | 1.70       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.15  | U         | 0.15                | 1.70       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 0.13  | U         | 0.13                | 1.70       | ug/kg             |
| 72-20-8           | Endrin               | 0.16  | U         | 0.16                | 1.70       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 0.30  | U         | 0.30                | 1.70       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 0.19  | U         | 0.19                | 1.70       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.13  | U         | 0.13                | 1.70       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.17  | U         | 0.17                | 1.70       | ug/kg             |
| 72-43-5           | Methoxychlor         | 0.38  | U         | 0.38                | 1.70       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 0.22  | U         | 0.22                | 1.70       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 0.39  | U         | 0.39                | 1.70       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.17  | U         | 0.17                | 1.70       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.19  | U         | 0.19                | 1.70       | ug/kg             |
| 8001-35-2         | Toxaphene            | 5.20  | U         | 5.20                | 33.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 19.5  |           | 30 (10) - 150 (148) | 97%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 17.3  |           | 30 (10) - 150 (159) | 86%        | SPK: 20           |

## Report of Analysis

|                    |                                  |          |                    |               |           |
|--------------------|----------------------------------|----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    |               |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     |               |           |
| Client Sample ID:  | PB164311BL                       |          | SDG No.:           | P4474         |           |
| Lab Sample ID:     | PB164311BL                       |          | Matrix:            | SOIL          |           |
| Analytical Method: | SW8081                           |          | % Solid:           | 100           | Decanted: |
| Sample Wt/Vol:     | 30.02                            | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :     |                    |               |           |
| Prep Method :      | SW3541B                          |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092554.D        | 1         | 10/22/24 10:10 | 10/23/24 09:52 | PB164311      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |           |                    |               |           |
|--------------------|----------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected:    | 10/21/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:     | 10/21/24      |           |
| Client Sample ID:  | PIBLK-PL092494.D                 |           | SDG No.:           | P4474         |           |
| Lab Sample ID:     | I.BLK-PL092494.D                 |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                           |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                             | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :      |                    |               |           |
| Prep Method :      | 3510C                            |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092494.D        | 1         |           | 10/21/24      | PL102124      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061              | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014               | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015               | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050              | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047              | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075              | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092              | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035              | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097              | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099              | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.5   |           | 30 (43) - 150 (140) | 107%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 22.0   |           | 30 (77) - 150 (126) | 110%       | SPK: 20 |

## Report of Analysis

|                    |                                  |           |                    |               |           |
|--------------------|----------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected:    | 10/21/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:     | 10/21/24      |           |
| Client Sample ID:  | PIBLK-PL092494.D                 |           | SDG No.:           | P4474         |           |
| Lab Sample ID:     | I.BLK-PL092494.D                 |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                           |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                             | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :      |                    |               |           |
| Prep Method :      | 3510C                            |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092494.D        | 1         |           | 10/21/24      | PL102124      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



## Report of Analysis

|                    |                                  |           |                    |               |           |
|--------------------|----------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected:    | 10/23/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:     | 10/23/24      |           |
| Client Sample ID:  | PIBLK-PL092551.D                 |           | SDG No.:           | P4474         |           |
| Lab Sample ID:     | I.BLK-PL092551.D                 |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                           |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                             | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :      |                    |               |           |
| Prep Method :      | 3510C                            |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092551.D        | 1         |           | 10/23/24      | PL102324      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061              | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014               | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015               | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050              | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047              | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075              | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092              | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035              | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097              | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099              | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.6   |           | 30 (43) - 150 (140) | 108%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.1   |           | 30 (77) - 150 (126) | 101%       | SPK: 20 |

## Report of Analysis

|                    |                                  |           |                    |               |           |
|--------------------|----------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected:    | 10/23/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:     | 10/23/24      |           |
| Client Sample ID:  | PIBLK-PL092551.D                 |           | SDG No.:           | P4474         |           |
| Lab Sample ID:     | I.BLK-PL092551.D                 |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                           |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                             | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :      |                    |               |           |
| Prep Method :      | 3510C                            |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092551.D        | 1         |           | 10/23/24      | PL102324      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |           |                    |               |           |
|--------------------|----------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected:    | 10/23/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:     | 10/23/24      |           |
| Client Sample ID:  | PIBLK-PL092566.D                 |           | SDG No.:           | P4474         |           |
| Lab Sample ID:     | I.BLK-PL092566.D                 |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                           |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                             | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :      |                    |               |           |
| Prep Method :      | 3510C                            |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092566.D        | 1         |           | 10/23/24      | PL102324      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061              | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014               | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015               | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050              | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047              | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075              | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092              | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035              | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097              | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099              | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 22.6   |           | 30 (43) - 150 (140) | 113%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.5   |           | 30 (77) - 150 (126) | 102%       | SPK: 20 |

## Report of Analysis

|                    |                                  |           |                    |               |           |
|--------------------|----------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected:    | 10/23/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:     | 10/23/24      |           |
| Client Sample ID:  | PIBLK-PL092566.D                 |           | SDG No.:           | P4474         |           |
| Lab Sample ID:     | I.BLK-PL092566.D                 |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                           |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                             | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :      |                    |               |           |
| Prep Method :      | 3510C                            |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092566.D        | 1         |           | 10/23/24      | PL102324      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### Comments:

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E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |           |                    |               |           |
|--------------------|----------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected:    | 10/24/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:     | 10/24/24      |           |
| Client Sample ID:  | PIBLK-PL092589.D                 |           | SDG No.:           | P4474         |           |
| Lab Sample ID:     | I.BLK-PL092589.D                 |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                           |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                             | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :      |                    |               |           |
| Prep Method :      | 3510C                            |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092589.D        | 1         |           | 10/24/24      | PL102424      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061              | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014               | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015               | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050              | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047              | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075              | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092              | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035              | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097              | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099              | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 23.3   |           | 30 (43) - 150 (140) | 116%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 21.0   |           | 30 (77) - 150 (126) | 105%       | SPK: 20 |

## Report of Analysis

|                    |                                  |           |                    |               |           |
|--------------------|----------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected:    | 10/24/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:     | 10/24/24      |           |
| Client Sample ID:  | PIBLK-PL092589.D                 |           | SDG No.:           | P4474         |           |
| Lab Sample ID:     | I.BLK-PL092589.D                 |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                           |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                             | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :      |                    |               |           |
| Prep Method :      | 3510C                            |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092589.D        | 1         |           | 10/24/24      | PL102424      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |           |                    |               |           |
|--------------------|----------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected:    | 10/24/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:     | 10/24/24      |           |
| Client Sample ID:  | PIBLK-PL092612.D                 |           | SDG No.:           | P4474         |           |
| Lab Sample ID:     | I.BLK-PL092612.D                 |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                           |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                             | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :      |                    |               |           |
| Prep Method :      | 3510C                            |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092612.D        | 1         |           | 10/24/24      | PL102424      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061              | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014               | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015               | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050              | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047              | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075              | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092              | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035              | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097              | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099              | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 23.4   |           | 30 (43) - 150 (140) | 117%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 22.1   |           | 30 (77) - 150 (126) | 111%       | SPK: 20 |

## Report of Analysis

|                    |                                  |           |                    |               |           |
|--------------------|----------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected:    | 10/24/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:     | 10/24/24      |           |
| Client Sample ID:  | PIBLK-PL092612.D                 |           | SDG No.:           | P4474         |           |
| Lab Sample ID:     | I.BLK-PL092612.D                 |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                           |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                             | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :      |                    |               |           |
| Prep Method :      | 3510C                            |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL092612.D        | 1         |           | 10/24/24      | PL102424      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



## Report of Analysis

|                    |                                  |          |                    |               |           |
|--------------------|----------------------------------|----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    |               |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     |               |           |
| Client Sample ID:  | PB164311BS                       |          | SDG No.:           | P4474         |           |
| Lab Sample ID:     | PB164311BS                       |          | Matrix:            | SOIL          |           |
| Analytical Method: | SW8081                           |          | % Solid:           | 100           | Decanted: |
| Sample Wt/Vol:     | 30.01                            | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :     |                    |               |           |
| Prep Method :      | SW3541B                          |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092555.D        | 1         | 10/22/24 10:10 | 10/23/24 13:33 | PB164311      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 319-84-6          | alpha-BHC            | 16.7  |           | 0.18                | 1.70       | ug/kg             |
| 319-85-7          | beta-BHC             | 17.1  |           | 0.49                | 1.70       | ug/kg             |
| 319-86-8          | delta-BHC            | 16.8  |           | 0.47                | 1.70       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 16.9  |           | 0.19                | 1.70       | ug/kg             |
| 76-44-8           | Heptachlor           | 17.2  |           | 0.17                | 1.70       | ug/kg             |
| 309-00-2          | Aldrin               | 17.2  |           | 0.14                | 1.70       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 17.9  |           | 0.23                | 1.70       | ug/kg             |
| 959-98-8          | Endosulfan I         | 18.1  |           | 0.17                | 1.70       | ug/kg             |
| 60-57-1           | Dieldrin             | 17.3  |           | 0.15                | 1.70       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 17.3  |           | 0.13                | 1.70       | ug/kg             |
| 72-20-8           | Endrin               | 16.5  |           | 0.16                | 1.70       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 17.1  |           | 0.30                | 1.70       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 17.3  |           | 0.19                | 1.70       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 17.1  |           | 0.13                | 1.70       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 15.9  |           | 0.17                | 1.70       | ug/kg             |
| 72-43-5           | Methoxychlor         | 17.4  |           | 0.38                | 1.70       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 18.3  |           | 0.22                | 1.70       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 17.6  |           | 0.39                | 1.70       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 17.6  |           | 0.17                | 1.70       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 17.2  |           | 0.19                | 1.70       | ug/kg             |
| 8001-35-2         | Toxaphene            | 5.20  | U         | 5.20                | 33.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 21.9  |           | 30 (10) - 150 (148) | 110%       | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 18.5  |           | 30 (10) - 150 (159) | 92%        | SPK: 20           |

## Report of Analysis

|                    |                                  |          |                    |               |           |
|--------------------|----------------------------------|----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    |               |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     |               |           |
| Client Sample ID:  | PB164311BS                       |          | SDG No.:           | P4474         |           |
| Lab Sample ID:     | PB164311BS                       |          | Matrix:            | SOIL          |           |
| Analytical Method: | SW8081                           |          | % Solid:           | 100           | Decanted: |
| Sample Wt/Vol:     | 30.01                            | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :     |                    |               |           |
| Prep Method :      | SW3541B                          |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092555.D        | 1         | 10/22/24 10:10 | 10/23/24 13:33 | PB164311      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |          |                    |               |           |
|--------------------|----------------------------------|----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    | 10/21/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     | 10/21/24      |           |
| Client Sample ID:  | BP-F-28MS                        |          | SDG No.:           | P4474         |           |
| Lab Sample ID:     | P4472-01MS                       |          | Matrix:            | SOIL          |           |
| Analytical Method: | SW8081                           |          | % Solid:           | 89.7          | Decanted: |
| Sample Wt/Vol:     | 30.04                            | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :     |                    |               |           |
| Prep Method :      | SW3541B                          |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092595.D        | 1         | 10/22/24 10:10 | 10/24/24 11:35 | PB164311      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 319-84-6          | alpha-BHC            | 11.2  |           | 0.20                | 1.90       | ug/kg             |
| 319-85-7          | beta-BHC             | 12.4  |           | 0.55                | 1.90       | ug/kg             |
| 319-86-8          | delta-BHC            | 12.0  |           | 0.52                | 1.90       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 12.3  |           | 0.21                | 1.90       | ug/kg             |
| 76-44-8           | Heptachlor           | 12.8  |           | 0.19                | 1.90       | ug/kg             |
| 309-00-2          | Aldrin               | 12.5  |           | 0.16                | 1.90       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 13.6  |           | 0.26                | 1.90       | ug/kg             |
| 959-98-8          | Endosulfan I         | 13.7  |           | 0.19                | 1.90       | ug/kg             |
| 60-57-1           | Dieldrin             | 13.6  |           | 0.17                | 1.90       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 13.1  |           | 0.14                | 1.90       | ug/kg             |
| 72-20-8           | Endrin               | 15.1  |           | 0.18                | 1.90       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 15.0  |           | 0.33                | 1.90       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 14.1  |           | 0.21                | 1.90       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 14.4  |           | 0.14                | 1.90       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 14.7  |           | 0.19                | 1.90       | ug/kg             |
| 72-43-5           | Methoxychlor         | 16.6  |           | 0.42                | 1.90       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 14.6  |           | 0.24                | 1.90       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 14.0  |           | 0.43                | 1.90       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 14.1  |           | 0.19                | 1.90       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 14.5  |           | 0.21                | 1.90       | ug/kg             |
| 8001-35-2         | Toxaphene            | 5.80  | U         | 5.80                | 36.7       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 18.8  |           | 30 (10) - 150 (148) | 94%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 14.5  |           | 30 (10) - 150 (159) | 72%        | SPK: 20           |

## Report of Analysis

|                    |                                  |          |                    |               |           |
|--------------------|----------------------------------|----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    | 10/21/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     | 10/21/24      |           |
| Client Sample ID:  | BP-F-28MS                        |          | SDG No.:           | P4474         |           |
| Lab Sample ID:     | P4472-01MS                       |          | Matrix:            | SOIL          |           |
| Analytical Method: | SW8081                           |          | % Solid:           | 89.7          | Decanted: |
| Sample Wt/Vol:     | 30.04                            | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :     |                    |               |           |
| Prep Method :      | SW3541B                          |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092595.D        | 1         | 10/22/24 10:10 | 10/24/24 11:35 | PB164311      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

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\* = Values outside of QC limits

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() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |               |
|--------------------|----------------------------------|--------------------|---------------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/21/24      |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/21/24      |
| Client Sample ID:  | BP-F-28MSD                       | SDG No.:           | P4474         |
| Lab Sample ID:     | P4472-01MSD                      | Matrix:            | SOIL          |
| Analytical Method: | SW8081                           | % Solid:           | 89.7          |
| Sample Wt/Vol:     | 30.06                            | Units:             | g             |
| Soil Aliquot Vol:  |                                  |                    | uL            |
| Extraction Type:   |                                  | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                              | PH :               |               |
| Prep Method :      | SW3541B                          | Decanted:          |               |
|                    |                                  | Final Vol:         | 10000         |
|                    |                                  | Injection Volume : |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092596.D        | 1         | 10/22/24 10:10 | 10/24/24 11:49 | PB164311      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 319-84-6          | alpha-BHC            | 11.5  |           | 0.20                | 1.90       | ug/kg             |
| 319-85-7          | beta-BHC             | 12.3  |           | 0.55                | 1.90       | ug/kg             |
| 319-86-8          | delta-BHC            | 11.5  |           | 0.52                | 1.90       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 12.3  |           | 0.21                | 1.90       | ug/kg             |
| 76-44-8           | Heptachlor           | 12.9  |           | 0.19                | 1.90       | ug/kg             |
| 309-00-2          | Aldrin               | 12.5  |           | 0.16                | 1.90       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 14.1  |           | 0.26                | 1.90       | ug/kg             |
| 959-98-8          | Endosulfan I         | 14.8  |           | 0.19                | 1.90       | ug/kg             |
| 60-57-1           | Dieldrin             | 13.8  |           | 0.17                | 1.90       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 13.1  |           | 0.14                | 1.90       | ug/kg             |
| 72-20-8           | Endrin               | 15.0  |           | 0.18                | 1.90       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 15.5  |           | 0.33                | 1.90       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 15.0  |           | 0.21                | 1.90       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 15.1  |           | 0.14                | 1.90       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 15.6  |           | 0.19                | 1.90       | ug/kg             |
| 72-43-5           | Methoxychlor         | 17.1  |           | 0.42                | 1.90       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 15.8  |           | 0.24                | 1.90       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 14.9  |           | 0.43                | 1.90       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 14.4  |           | 0.19                | 1.90       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 14.9  |           | 0.21                | 1.90       | ug/kg             |
| 8001-35-2         | Toxaphene            | 5.80  | U         | 5.80                | 36.7       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 18.1  |           | 30 (10) - 150 (148) | 91%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 14.6  |           | 30 (10) - 150 (159) | 73%        | SPK: 20           |

## Report of Analysis

|                    |                                  |          |                    |               |           |
|--------------------|----------------------------------|----------|--------------------|---------------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    | 10/21/24      |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     | 10/21/24      |           |
| Client Sample ID:  | BP-F-28MSD                       |          | SDG No.:           | P4474         |           |
| Lab Sample ID:     | P4472-01MSD                      |          | Matrix:            | SOIL          |           |
| Analytical Method: | SW8081                           |          | % Solid:           | 89.7          | Decanted: |
| Sample Wt/Vol:     | 30.06                            | Units: g | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                  |          | Injection Volume : |               |           |
| GPC Factor :       | 1.0                              | PH :     |                    |               |           |
| Prep Method :      | SW3541B                          |          |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL092596.D        | 1         | 10/22/24 10:10 | 10/24/24 11:49 | PB164311      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

### Comments:

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N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



# CALIBRATION SUMMARY

A  
B  
C  
D  
E  
F  
G  
H

GC Column: ZB-MR2 ID: 0.32 (mm)

[illegible]



A  
B  
C  
D  
E  
F  
G  
H

GC Column: ZB-MR1 ID: 0.32 (mm)

[illegible]

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** YANN01

**Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

**Instrument ID:** ECD\_L **Calibration Date(s):** 10/21/2024 10/21/2024  
**Calibration Times:** 13:00 13:53

**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL092497.D</u> |            | <b>CF 075 =</b> <u>PL092498.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL092499.D</u> |            | <b>CF 025 =</b> <u>PL092500.D</u> |            | <b>CF 005 =</b> <u>PL092501.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 2246400000 | 2258620000                        | 2360420000 | 2437540000                        | 2776830000 | 2415960000 | 9     |
| 4,4'-DDE                          | 2768040000 | 2811970000                        | 2906870000 | 3034090000                        | 3308610000 | 2965920000 | 7     |
| 4,4'-DDT                          | 2351780000 | 2354700000                        | 2458670000 | 2510620000                        | 2654500000 | 2466050000 | 5     |
| Aldrin                            | 3357570000 | 3399600000                        | 3527390000 | 3705500000                        | 4403230000 | 3678660000 | 12    |
| alpha-BHC                         | 3880960000 | 3900500000                        | 3985440000 | 4129150000                        | 4710150000 | 4121240000 | 8     |
| alpha-Chlordane                   | 2934020000 | 3004180000                        | 3127580000 | 3292340000                        | 3923880000 | 3256400000 | 12    |
| beta-BHC                          | 1472550000 | 1485480000                        | 1520550000 | 1582420000                        | 1700650000 | 1552330000 | 6     |
| Decachlorobiphenyl                | 1893630000 | 1911900000                        | 1968460000 | 2071700000                        | 2310050000 | 2031150000 | 8     |
| delta-BHC                         | 3526460000 | 3537730000                        | 3645230000 | 3889220000                        | 4211510000 | 3762030000 | 8     |
| Dieldrin                          | 2994540000 | 3035510000                        | 3143820000 | 3281370000                        | 3804200000 | 3251890000 | 10    |
| Endosulfan I                      | 2758780000 | 2810500000                        | 2913200000 | 3062020000                        | 3552420000 | 3019390000 | 11    |
| Endosulfan II                     | 2571530000 | 2607370000                        | 2748580000 | 2960640000                        | 3260790000 | 2829780000 | 10    |
| Endosulfan sulfate                | 2304480000 | 2335740000                        | 2443850000 | 2546180000                        | 3002960000 | 2526640000 | 11    |
| Endrin                            | 2580620000 | 2625010000                        | 2734790000 | 2924540000                        | 3253750000 | 2823740000 | 10    |
| Endrin aldehyde                   | 1982870000 | 2003830000                        | 2098670000 | 2187760000                        | 2407240000 | 2136080000 | 8     |
| Endrin ketone                     | 2572770000 | 2595940000                        | 2703400000 | 2798310000                        | 3078670000 | 2749820000 | 7     |
| gamma-BHC (Lindane)               | 3651940000 | 3672710000                        | 3751070000 | 3836830000                        | 4321280000 | 3846770000 | 7     |
| gamma-Chlordane                   | 2975150000 | 3046540000                        | 3165110000 | 3319740000                        | 3978350000 | 3296980000 | 12    |
| Heptachlor                        | 3266860000 | 3307900000                        | 3429100000 | 3569740000                        | 4155000000 | 3545720000 | 10    |
| Heptachlor epoxide                | 3004670000 | 3040630000                        | 3248410000 | 3443240000                        | 3866730000 | 3320740000 | 11    |
| Methoxychlor                      | 1148350000 | 1158380000                        | 1214430000 | 1185540000                        | 1181850000 | 1177710000 | 2     |
| Tetrachloro-m-xylene              | 2537390000 | 2552890000                        | 2586960000 | 2724730000                        | 3067200000 | 2693840000 | 8     |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** YANN01

**Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474

**Instrument ID:** ECD\_L **Calibration Date(s):** 10/21/2024 10/21/2024  
**Calibration Times:** 13:00 13:53

**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL092497.D</u> |            | <b>CF 075 =</b> <u>PL092498.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL092499.D</u> |            | <b>CF 025 =</b> <u>PL092500.D</u> |            | <b>CF 005 =</b> <u>PL092501.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 2693820000 | 2711750000                        | 2763570000 | 2774490000                        | 2947510000 | 2778230000 | 4     |
| 4,4'-DDE                          | 3365970000 | 3350290000                        | 3424050000 | 3426470000                        | 3819900000 | 3477340000 | 6     |
| 4,4'-DDT                          | 2876310000 | 2862890000                        | 2900910000 | 2875360000                        | 3169270000 | 2936950000 | 4     |
| Aldrin                            | 3902880000 | 3867350000                        | 3920990000 | 3908110000                        | 4278130000 | 3975490000 | 4     |
| alpha-BHC                         | 4282080000 | 4249760000                        | 4259610000 | 4206610000                        | 4577410000 | 4315100000 | 3     |
| alpha-Chlordane                   | 3453960000 | 3467250000                        | 3481480000 | 3550810000                        | 3816750000 | 3554050000 | 4     |
| beta-BHC                          | 1637290000 | 1631380000                        | 1679350000 | 1708600000                        | 2073140000 | 1745950000 | 11    |
| Decachlorobiphenyl                | 2533020000 | 2508980000                        | 2598990000 | 2640650000                        | 2893220000 | 2634970000 | 6     |
| delta-BHC                         | 4115860000 | 4070010000                        | 4108760000 | 4122660000                        | 4613930000 | 4206240000 | 5     |
| Dieldrin                          | 3524630000 | 3511910000                        | 3576190000 | 3612640000                        | 4046390000 | 3654350000 | 6     |
| Endosulfan I                      | 3116470000 | 3138120000                        | 3163890000 | 3197670000                        | 3298980000 | 3183030000 | 2     |
| Endosulfan II                     | 2909510000 | 2958770000                        | 3049780000 | 3070330000                        | 3642720000 | 3126220000 | 9     |
| Endosulfan sulfate                | 2760410000 | 2764670000                        | 2816810000 | 2859720000                        | 3579720000 | 2956270000 | 12    |
| Endrin                            | 3096230000 | 3113840000                        | 3236910000 | 3364340000                        | 3563230000 | 3274910000 | 6     |
| Endrin aldehyde                   | 2316790000 | 2330610000                        | 2385350000 | 2437260000                        | 2812750000 | 2456550000 | 8     |
| Endrin ketone                     | 3125230000 | 3132330000                        | 3203190000 | 3221610000                        | 3378350000 | 3212140000 | 3     |
| gamma-BHC (Lindane)               | 4098710000 | 4055410000                        | 4107080000 | 4122620000                        | 4206290000 | 4118020000 | 1     |
| gamma-Chlordane                   | 3544140000 | 3552270000                        | 3600750000 | 3641630000                        | 4057250000 | 3679210000 | 6     |
| Heptachlor                        | 3908940000 | 3891170000                        | 3959270000 | 3983440000                        | 4335990000 | 4015760000 | 5     |
| Heptachlor epoxide                | 3409250000 | 3412120000                        | 3473550000 | 3502030000                        | 3820750000 | 3523540000 | 5     |
| Methoxychlor                      | 1383990000 | 1380180000                        | 1398790000 | 1408970000                        | 1517400000 | 1417870000 | 4     |
| Tetrachloro-m-xylene              | 2710240000 | 2704020000                        | 2735270000 | 2751220000                        | 2986460000 | 2777440000 | 4     |

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Instrument ID: ECD\_L Date(s) Analyzed: 10/21/2024 10/21/2024

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 6.24 | 6.14      | 6.34 | 26646900              |
|           |                | 2    | 6.44 | 6.34      | 6.54 | 15596100              |
|           |                | 3    | 7.06 | 6.96      | 7.16 | 86692500              |
|           |                | 4    | 7.15 | 7.05      | 7.25 | 69480900              |
|           |                | 5    | 7.94 | 7.84      | 8.04 | 48743400              |

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Instrument ID: ECD\_L Date(s) Analyzed: 10/21/2024 10/21/2024

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 5.01 | 4.91      | 5.11 | 24468000              |
|           |                | 2    | 5.33 | 5.23      | 5.43 | 24010200              |
|           |                | 3    | 6.61 | 6.51      | 6.71 | 70676500              |
|           |                | 4    | 6.73 | 6.63      | 6.83 | 82521800              |
|           |                | 5    | 7.05 | 6.95      | 7.15 | 83166000              |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 09:38 Initial Calibration Time(s): 13:00 13:53

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 4.00       | 3.99      | 3.89      | 4.09 | -0.01      |
| beta-BHC             | 4.53       | 4.52      | 4.42      | 4.62 | -0.01      |
| delta-BHC            | 4.78       | 4.77      | 4.67      | 4.87 | -0.01      |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.68      | 5.58      | 5.78 | -0.01      |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.35       | 6.35      | 6.25      | 6.45 | 0.00       |
| 4,4'-DDE             | 6.20       | 6.19      | 6.09      | 6.29 | -0.01      |
| Endrin               | 6.58       | 6.57      | 6.47      | 6.67 | -0.01      |
| Endosulfan II        | 6.80       | 6.79      | 6.69      | 6.89 | -0.01      |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.03       | 7.02      | 6.92      | 7.12 | -0.01      |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.65       | 7.64      | 7.54      | 7.74 | -0.01      |
| Endrin aldehyde      | 6.93       | 6.92      | 6.82      | 7.02 | -0.01      |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 09:38 Initial Calibration Time(s): 13:00 13:53

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.92      | 7.82      | 8.02 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.28       | 3.28      | 3.18      | 3.38 | 0.00       |
| beta-BHC             | 3.91       | 3.91      | 3.81      | 4.01 | 0.00       |
| delta-BHC            | 4.14       | 4.14      | 4.04      | 4.24 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.00       |
| Aldrin               | 4.23       | 4.23      | 4.13      | 4.33 | 0.00       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endosulfan I         | 5.10       | 5.10      | 5.00      | 5.20 | 0.00       |
| Dieldrin             | 5.37       | 5.37      | 5.27      | 5.47 | 0.00       |
| 4,4'-DDE             | 5.24       | 5.23      | 5.13      | 5.33 | -0.01      |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Endosulfan II        | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |
| 4,4'-DDD             | 5.79       | 5.79      | 5.69      | 5.89 | 0.00       |
| Endosulfan sulfate   | 6.34       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDT             | 6.04       | 6.04      | 5.94      | 6.14 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endrin ketone        | 6.85       | 6.84      | 6.74      | 6.94 | -0.01      |
| Endrin aldehyde      | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| alpha-Chlordane      | 5.05       | 5.05      | 4.95      | 5.15 | 0.00       |
| gamma-Chlordane      | 4.98       | 4.98      | 4.88      | 5.08 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL01 Date Analyzed: 10/23/2024

Lab Sample No.: PSTDCCC050 Data File : PL092553.D Time Analyzed: 09:38

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 6.714 | 6.610     | 6.810 | 40.800             | 50.000            | -18.4 |
| 4,4'-DDE             | 6.197 | 6.092     | 6.292 | 40.530             | 50.000            | -18.9 |
| 4,4'-DDT             | 7.028 | 6.924     | 7.124 | 41.890             | 50.000            | -16.2 |
| Aldrin               | 5.262 | 5.157     | 5.357 | 42.120             | 50.000            | -15.8 |
| alpha-BHC            | 4.000 | 3.894     | 4.094 | 43.580             | 50.000            | -12.8 |
| alpha-Chlordane      | 6.023 | 5.918     | 6.118 | 41.670             | 50.000            | -16.7 |
| beta-BHC             | 4.530 | 4.424     | 4.624 | 47.670             | 50.000            | -4.7  |
| Decachlorobiphenyl   | 9.059 | 8.955     | 9.155 | 46.510             | 50.000            | -7.0  |
| delta-BHC            | 4.777 | 4.671     | 4.871 | 43.180             | 50.000            | -13.6 |
| Dieldrin             | 6.349 | 6.245     | 6.445 | 41.550             | 50.000            | -16.9 |
| Endosulfan I         | 6.074 | 5.969     | 6.169 | 42.320             | 50.000            | -15.4 |
| Endosulfan II        | 6.798 | 6.694     | 6.894 | 42.150             | 50.000            | -15.7 |
| Endosulfan sulfate   | 7.162 | 7.059     | 7.259 | 43.090             | 50.000            | -13.8 |
| Endrin               | 6.578 | 6.474     | 6.674 | 40.710             | 50.000            | -18.6 |
| Endrin aldehyde      | 6.929 | 6.824     | 7.024 | 44.410             | 50.000            | -11.2 |
| Endrin ketone        | 7.647 | 7.544     | 7.744 | 44.600             | 50.000            | -10.8 |
| gamma-BHC (Lindane)  | 4.332 | 4.227     | 4.427 | 44.680             | 50.000            | -10.6 |
| gamma-Chlordane      | 5.944 | 5.839     | 6.039 | 41.260             | 50.000            | -17.5 |
| Heptachlor           | 4.920 | 4.815     | 5.015 | 43.900             | 50.000            | -12.2 |
| Heptachlor epoxide   | 5.688 | 5.583     | 5.783 | 42.850             | 50.000            | -14.3 |
| Methoxychlor         | 7.503 | 7.400     | 7.600 | 47.120             | 50.000            | -5.8  |
| Tetrachloro-m-xylene | 3.544 | 3.438     | 3.638 | 47.680             | 50.000            | -4.6  |



### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL01 Date Analyzed: 10/23/2024

Lab Sample No.: PSTDCCC050 Data File : PL092553.D Time Analyzed: 09:38

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.791 | 5.689     | 5.889 | 48.090             | 50.000            | -3.8 |
| 4,4'-DDE             | 5.236 | 5.134     | 5.334 | 50.070             | 50.000            | 0.1  |
| 4,4'-DDT             | 6.042 | 5.940     | 6.140 | 48.800             | 50.000            | -2.4 |
| Aldrin               | 4.231 | 4.129     | 4.329 | 51.180             | 50.000            | 2.4  |
| alpha-BHC            | 3.282 | 3.180     | 3.380 | 51.310             | 50.000            | 2.6  |
| alpha-Chlordane      | 5.047 | 4.945     | 5.145 | 51.150             | 50.000            | 2.3  |
| beta-BHC             | 3.912 | 3.810     | 4.010 | 50.120             | 50.000            | 0.2  |
| Decachlorobiphenyl   | 7.918 | 7.817     | 8.017 | 53.940             | 50.000            | 7.9  |
| delta-BHC            | 4.141 | 4.038     | 4.238 | 50.320             | 50.000            | 0.6  |
| Dieldrin             | 5.368 | 5.266     | 5.466 | 50.010             | 50.000            | 0.0  |
| Endosulfan I         | 5.104 | 5.001     | 5.201 | 52.390             | 50.000            | 4.8  |
| Endosulfan II        | 5.938 | 5.836     | 6.036 | 49.220             | 50.000            | -1.6 |
| Endosulfan sulfate   | 6.340 | 6.238     | 6.438 | 48.750             | 50.000            | -2.5 |
| Endrin               | 5.643 | 5.541     | 5.741 | 49.320             | 50.000            | -1.4 |
| Endrin aldehyde      | 6.117 | 6.016     | 6.216 | 49.840             | 50.000            | -0.3 |
| Endrin ketone        | 6.846 | 6.744     | 6.944 | 50.950             | 50.000            | 1.9  |
| gamma-BHC (Lindane)  | 3.612 | 3.510     | 3.710 | 51.860             | 50.000            | 3.7  |
| gamma-Chlordane      | 4.984 | 4.881     | 5.081 | 49.950             | 50.000            | -0.1 |
| Heptachlor           | 3.951 | 3.849     | 4.049 | 51.880             | 50.000            | 3.8  |
| Heptachlor epoxide   | 4.734 | 4.631     | 4.831 | 52.030             | 50.000            | 4.1  |
| Methoxychlor         | 6.617 | 6.515     | 6.715 | 52.400             | 50.000            | 4.8  |
| Tetrachloro-m-xylene | 2.779 | 2.677     | 2.877 | 52.560             | 50.000            | 5.1  |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 18:50 Initial Calibration Time(s): 13:00 13:53

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 4.00       | 3.99      | 3.89      | 4.09 | -0.01      |
| beta-BHC             | 4.53       | 4.52      | 4.42      | 4.62 | -0.01      |
| delta-BHC            | 4.77       | 4.77      | 4.67      | 4.87 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.68      | 5.58      | 5.78 | 0.00       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.35       | 6.35      | 6.25      | 6.45 | 0.00       |
| 4,4'-DDE             | 6.20       | 6.19      | 6.09      | 6.29 | -0.01      |
| Endrin               | 6.58       | 6.57      | 6.47      | 6.67 | 0.00       |
| Endosulfan II        | 6.80       | 6.79      | 6.69      | 6.89 | -0.01      |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.03       | 7.02      | 6.92      | 7.12 | -0.01      |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.65       | 7.64      | 7.54      | 7.74 | -0.01      |
| Endrin aldehyde      | 6.93       | 6.92      | 6.82      | 7.02 | -0.01      |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/23/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 18:50 Initial Calibration Time(s): 13:00 13:53

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.92      | 7.82      | 8.02 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.28       | 3.28      | 3.18      | 3.38 | 0.00       |
| beta-BHC             | 3.91       | 3.91      | 3.81      | 4.01 | 0.00       |
| delta-BHC            | 4.14       | 4.14      | 4.04      | 4.24 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.00       |
| Aldrin               | 4.23       | 4.23      | 4.13      | 4.33 | 0.00       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endosulfan I         | 5.10       | 5.10      | 5.00      | 5.20 | 0.00       |
| Dieldrin             | 5.37       | 5.37      | 5.27      | 5.47 | 0.00       |
| 4,4'-DDE             | 5.24       | 5.23      | 5.13      | 5.33 | -0.01      |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Endosulfan II        | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |
| 4,4'-DDD             | 5.79       | 5.79      | 5.69      | 5.89 | 0.00       |
| Endosulfan sulfate   | 6.34       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDT             | 6.04       | 6.04      | 5.94      | 6.14 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endrin ketone        | 6.85       | 6.84      | 6.74      | 6.94 | -0.01      |
| Endrin aldehyde      | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| alpha-Chlordane      | 5.05       | 5.05      | 4.95      | 5.15 | 0.00       |
| gamma-Chlordane      | 4.98       | 4.98      | 4.88      | 5.08 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL02 Date Analyzed: 10/23/2024

Lab Sample No.: PSTDCCC050 Data File : PL092568.D Time Analyzed: 18:50

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 6.712 | 6.610     | 6.810 | 44.460             | 50.000            | -11.1 |
| 4,4'-DDE             | 6.195 | 6.092     | 6.292 | 42.160             | 50.000            | -15.7 |
| 4,4'-DDT             | 7.026 | 6.924     | 7.124 | 40.150             | 50.000            | -19.7 |
| Aldrin               | 5.260 | 5.157     | 5.357 | 42.840             | 50.000            | -14.3 |
| alpha-BHC            | 3.997 | 3.894     | 4.094 | 44.420             | 50.000            | -11.2 |
| alpha-Chlordane      | 6.021 | 5.918     | 6.118 | 42.200             | 50.000            | -15.6 |
| beta-BHC             | 4.527 | 4.424     | 4.624 | 49.320             | 50.000            | -1.4  |
| Decachlorobiphenyl   | 9.057 | 8.955     | 9.155 | 48.570             | 50.000            | -2.9  |
| delta-BHC            | 4.774 | 4.671     | 4.871 | 45.030             | 50.000            | -9.9  |
| Dieldrin             | 6.347 | 6.245     | 6.445 | 42.280             | 50.000            | -15.4 |
| Endosulfan I         | 6.072 | 5.969     | 6.169 | 42.820             | 50.000            | -14.4 |
| Endosulfan II        | 6.797 | 6.694     | 6.894 | 42.620             | 50.000            | -14.8 |
| Endosulfan sulfate   | 7.161 | 7.059     | 7.259 | 44.330             | 50.000            | -11.3 |
| Endrin               | 6.575 | 6.474     | 6.674 | 40.190             | 50.000            | -19.6 |
| Endrin aldehyde      | 6.926 | 6.824     | 7.024 | 46.020             | 50.000            | -8.0  |
| Endrin ketone        | 7.646 | 7.544     | 7.744 | 46.770             | 50.000            | -6.5  |
| gamma-BHC (Lindane)  | 4.329 | 4.227     | 4.427 | 45.460             | 50.000            | -9.1  |
| gamma-Chlordane      | 5.942 | 5.839     | 6.039 | 41.860             | 50.000            | -16.3 |
| Heptachlor           | 4.918 | 4.815     | 5.015 | 42.990             | 50.000            | -14.0 |
| Heptachlor epoxide   | 5.685 | 5.583     | 5.783 | 43.650             | 50.000            | -12.7 |
| Methoxychlor         | 7.502 | 7.400     | 7.600 | 45.530             | 50.000            | -8.9  |
| Tetrachloro-m-xylene | 3.541 | 3.438     | 3.638 | 48.380             | 50.000            | -3.2  |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL02 Date Analyzed: 10/23/2024

Lab Sample No.: PSTDCCC050 Data File : PL092568.D Time Analyzed: 18:50

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.791 | 5.689     | 5.889 | 53.520             | 50.000            | 7.0  |
| 4,4'-DDE             | 5.236 | 5.134     | 5.334 | 52.910             | 50.000            | 5.8  |
| 4,4'-DDT             | 6.041 | 5.940     | 6.140 | 45.110             | 50.000            | -9.8 |
| Aldrin               | 4.231 | 4.129     | 4.329 | 52.960             | 50.000            | 5.9  |
| alpha-BHC            | 3.282 | 3.180     | 3.380 | 52.940             | 50.000            | 5.9  |
| alpha-Chlordane      | 5.047 | 4.945     | 5.145 | 52.920             | 50.000            | 5.8  |
| beta-BHC             | 3.912 | 3.810     | 4.010 | 52.490             | 50.000            | 5.0  |
| Decachlorobiphenyl   | 7.918 | 7.817     | 8.017 | 55.780             | 50.000            | 11.6 |
| delta-BHC            | 4.141 | 4.038     | 4.238 | 52.610             | 50.000            | 5.2  |
| Dieldrin             | 5.368 | 5.266     | 5.466 | 51.790             | 50.000            | 3.6  |
| Endosulfan I         | 5.103 | 5.001     | 5.201 | 54.230             | 50.000            | 8.5  |
| Endosulfan II        | 5.937 | 5.836     | 6.036 | 50.330             | 50.000            | 0.7  |
| Endosulfan sulfate   | 6.340 | 6.238     | 6.438 | 50.140             | 50.000            | 0.3  |
| Endrin               | 5.643 | 5.541     | 5.741 | 48.850             | 50.000            | -2.3 |
| Endrin aldehyde      | 6.117 | 6.016     | 6.216 | 51.370             | 50.000            | 2.7  |
| Endrin ketone        | 6.846 | 6.744     | 6.944 | 53.900             | 50.000            | 7.8  |
| gamma-BHC (Lindane)  | 3.612 | 3.510     | 3.710 | 53.510             | 50.000            | 7.0  |
| gamma-Chlordane      | 4.983 | 4.881     | 5.081 | 52.020             | 50.000            | 4.0  |
| Heptachlor           | 3.951 | 3.849     | 4.049 | 51.110             | 50.000            | 2.2  |
| Heptachlor epoxide   | 4.733 | 4.631     | 4.831 | 53.800             | 50.000            | 7.6  |
| Methoxychlor         | 6.617 | 6.515     | 6.715 | 49.910             | 50.000            | -0.2 |
| Tetrachloro-m-xylene | 2.780 | 2.677     | 2.877 | 54.330             | 50.000            | 8.7  |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/24/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 10:19 Initial Calibration Time(s): 13:00 13:53

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 4.00       | 3.99      | 3.89      | 4.09 | -0.01      |
| beta-BHC             | 4.53       | 4.52      | 4.42      | 4.62 | -0.01      |
| delta-BHC            | 4.77       | 4.77      | 4.67      | 4.87 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 5.68      | 5.58      | 5.78 | 0.00       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.35       | 6.35      | 6.25      | 6.45 | 0.00       |
| 4,4'-DDE             | 6.19       | 6.19      | 6.09      | 6.29 | 0.00       |
| Endrin               | 6.58       | 6.57      | 6.47      | 6.67 | -0.01      |
| Endosulfan II        | 6.80       | 6.79      | 6.69      | 6.89 | -0.01      |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.03       | 7.02      | 6.92      | 7.12 | -0.01      |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.65       | 7.64      | 7.54      | 7.74 | -0.01      |
| Endrin aldehyde      | 6.93       | 6.92      | 6.82      | 7.02 | -0.01      |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/24/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 10:19 Initial Calibration Time(s): 13:00 13:53

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.92      | 7.82      | 8.02 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.28       | 3.28      | 3.18      | 3.38 | 0.00       |
| beta-BHC             | 3.91       | 3.91      | 3.81      | 4.01 | 0.00       |
| delta-BHC            | 4.14       | 4.14      | 4.04      | 4.24 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.00       |
| Aldrin               | 4.23       | 4.23      | 4.13      | 4.33 | 0.00       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endosulfan I         | 5.10       | 5.10      | 5.00      | 5.20 | 0.00       |
| Dieldrin             | 5.37       | 5.37      | 5.27      | 5.47 | 0.00       |
| 4,4'-DDE             | 5.24       | 5.23      | 5.13      | 5.33 | -0.01      |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Endosulfan II        | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |
| 4,4'-DDD             | 5.79       | 5.79      | 5.69      | 5.89 | 0.00       |
| Endosulfan sulfate   | 6.34       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDT             | 6.04       | 6.04      | 5.94      | 6.14 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endrin ketone        | 6.84       | 6.84      | 6.74      | 6.94 | 0.00       |
| Endrin aldehyde      | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| alpha-Chlordane      | 5.05       | 5.05      | 4.95      | 5.15 | 0.00       |
| gamma-Chlordane      | 4.98       | 4.98      | 4.88      | 5.08 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL03 Date Analyzed: 10/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL092591.D Time Analyzed: 10:19

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 6.712 | 6.610     | 6.810 | 44.540             | 50.000            | -10.9 |
| 4,4'-DDE             | 6.194 | 6.092     | 6.292 | 44.570             | 50.000            | -10.9 |
| 4,4'-DDT             | 7.025 | 6.924     | 7.124 | 46.760             | 50.000            | -6.5  |
| Aldrin               | 5.260 | 5.157     | 5.357 | 45.790             | 50.000            | -8.4  |
| alpha-BHC            | 3.997 | 3.894     | 4.094 | 47.920             | 50.000            | -4.2  |
| alpha-Chlordane      | 6.021 | 5.918     | 6.118 | 45.130             | 50.000            | -9.7  |
| beta-BHC             | 4.527 | 4.424     | 4.624 | 52.000             | 50.000            | 4.0   |
| Decachlorobiphenyl   | 9.057 | 8.955     | 9.155 | 51.250             | 50.000            | 2.5   |
| delta-BHC            | 4.774 | 4.671     | 4.871 | 46.560             | 50.000            | -6.9  |
| Dieldrin             | 6.347 | 6.245     | 6.445 | 45.190             | 50.000            | -9.6  |
| Endosulfan I         | 6.071 | 5.969     | 6.169 | 45.850             | 50.000            | -8.3  |
| Endosulfan II        | 6.795 | 6.694     | 6.894 | 46.080             | 50.000            | -7.8  |
| Endosulfan sulfate   | 7.160 | 7.059     | 7.259 | 46.660             | 50.000            | -6.7  |
| Endrin               | 6.576 | 6.474     | 6.674 | 44.700             | 50.000            | -10.6 |
| Endrin aldehyde      | 6.926 | 6.824     | 7.024 | 48.200             | 50.000            | -3.6  |
| Endrin ketone        | 7.646 | 7.544     | 7.744 | 48.360             | 50.000            | -3.3  |
| gamma-BHC (Lindane)  | 4.330 | 4.227     | 4.427 | 48.930             | 50.000            | -2.1  |
| gamma-Chlordane      | 5.942 | 5.839     | 6.039 | 44.680             | 50.000            | -10.6 |
| Heptachlor           | 4.918 | 4.815     | 5.015 | 47.520             | 50.000            | -5.0  |
| Heptachlor epoxide   | 5.684 | 5.583     | 5.783 | 46.660             | 50.000            | -6.7  |
| Methoxychlor         | 7.501 | 7.400     | 7.600 | 51.960             | 50.000            | 3.9   |
| Tetrachloro-m-xylene | 3.541 | 3.438     | 3.638 | 51.820             | 50.000            | 3.6   |



### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL03 Date Analyzed: 10/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL092591.D Time Analyzed: 10:19

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.790 | 5.689     | 5.889 | 53.360             | 50.000            | 6.7  |
| 4,4'-DDE             | 5.236 | 5.134     | 5.334 | 55.100             | 50.000            | 10.2 |
| 4,4'-DDT             | 6.041 | 5.940     | 6.140 | 53.570             | 50.000            | 7.1  |
| Aldrin               | 4.231 | 4.129     | 4.329 | 55.170             | 50.000            | 10.3 |
| alpha-BHC            | 3.282 | 3.180     | 3.380 | 56.270             | 50.000            | 12.5 |
| alpha-Chlordane      | 5.047 | 4.945     | 5.145 | 54.760             | 50.000            | 9.5  |
| beta-BHC             | 3.912 | 3.810     | 4.010 | 54.310             | 50.000            | 8.6  |
| Decachlorobiphenyl   | 7.918 | 7.817     | 8.017 | 58.240             | 50.000            | 16.5 |
| delta-BHC            | 4.141 | 4.038     | 4.238 | 55.000             | 50.000            | 10.0 |
| Dieldrin             | 5.368 | 5.266     | 5.466 | 54.110             | 50.000            | 8.2  |
| Endosulfan I         | 5.103 | 5.001     | 5.201 | 55.770             | 50.000            | 11.5 |
| Endosulfan II        | 5.938 | 5.836     | 6.036 | 52.620             | 50.000            | 5.2  |
| Endosulfan sulfate   | 6.340 | 6.238     | 6.438 | 55.470             | 50.000            | 10.9 |
| Endrin               | 5.643 | 5.541     | 5.741 | 53.080             | 50.000            | 6.2  |
| Endrin aldehyde      | 6.117 | 6.016     | 6.216 | 53.640             | 50.000            | 7.3  |
| Endrin ketone        | 6.844 | 6.744     | 6.944 | 57.030             | 50.000            | 14.1 |
| gamma-BHC (Lindane)  | 3.612 | 3.510     | 3.710 | 56.090             | 50.000            | 12.2 |
| gamma-Chlordane      | 4.984 | 4.881     | 5.081 | 53.600             | 50.000            | 7.2  |
| Heptachlor           | 3.951 | 3.849     | 4.049 | 56.020             | 50.000            | 12.0 |
| Heptachlor epoxide   | 4.733 | 4.631     | 4.831 | 55.710             | 50.000            | 11.4 |
| Methoxychlor         | 6.616 | 6.515     | 6.715 | 58.450             | 50.000            | 16.9 |
| Tetrachloro-m-xylene | 2.779 | 2.677     | 2.877 | 56.670             | 50.000            | 13.3 |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/24/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 17:20 Initial Calibration Time(s): 13:00 13:53

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.55       | 3.54      | 3.44      | 3.64 | -0.01      |
| alpha-BHC            | 4.00       | 3.99      | 3.89      | 4.09 | -0.01      |
| beta-BHC             | 4.53       | 4.52      | 4.42      | 4.62 | -0.01      |
| delta-BHC            | 4.78       | 4.77      | 4.67      | 4.87 | -0.01      |
| gamma-BHC (Lindane)  | 4.34       | 4.33      | 4.23      | 4.43 | -0.01      |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.68      | 5.58      | 5.78 | -0.01      |
| Endosulfan I         | 6.08       | 6.07      | 5.97      | 6.17 | -0.01      |
| Dieldrin             | 6.35       | 6.35      | 6.25      | 6.45 | 0.00       |
| 4,4'-DDE             | 6.20       | 6.19      | 6.09      | 6.29 | -0.01      |
| Endrin               | 6.58       | 6.57      | 6.47      | 6.67 | -0.01      |
| Endosulfan II        | 6.80       | 6.79      | 6.69      | 6.89 | -0.01      |
| 4,4'-DDD             | 6.72       | 6.71      | 6.61      | 6.81 | -0.01      |
| Endosulfan sulfate   | 7.17       | 7.16      | 7.06      | 7.26 | -0.01      |
| 4,4'-DDT             | 7.03       | 7.02      | 6.92      | 7.12 | -0.01      |
| Methoxychlor         | 7.51       | 7.50      | 7.40      | 7.60 | -0.01      |
| Endrin ketone        | 7.65       | 7.64      | 7.54      | 7.74 | -0.01      |
| Endrin aldehyde      | 6.93       | 6.92      | 6.82      | 7.02 | -0.01      |
| alpha-Chlordane      | 6.03       | 6.02      | 5.92      | 6.12 | -0.01      |
| gamma-Chlordane      | 5.95       | 5.94      | 5.84      | 6.04 | -0.01      |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/24/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 17:20 Initial Calibration Time(s): 13:00 13:53

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.92       | 7.92      | 7.82      | 8.02 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.28       | 3.28      | 3.18      | 3.38 | 0.00       |
| beta-BHC             | 3.91       | 3.91      | 3.81      | 4.01 | 0.00       |
| delta-BHC            | 4.14       | 4.14      | 4.04      | 4.24 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.00       |
| Aldrin               | 4.23       | 4.23      | 4.13      | 4.33 | 0.00       |
| Heptachlor epoxide   | 4.74       | 4.73      | 4.63      | 4.83 | -0.01      |
| Endosulfan I         | 5.11       | 5.10      | 5.00      | 5.20 | -0.01      |
| Dieldrin             | 5.37       | 5.37      | 5.27      | 5.47 | 0.00       |
| 4,4'-DDE             | 5.24       | 5.23      | 5.13      | 5.33 | -0.01      |
| Endrin               | 5.65       | 5.64      | 5.54      | 5.74 | 0.00       |
| Endosulfan II        | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |
| 4,4'-DDD             | 5.79       | 5.79      | 5.69      | 5.89 | 0.00       |
| Endosulfan sulfate   | 6.34       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDT             | 6.04       | 6.04      | 5.94      | 6.14 | 0.00       |
| Methoxychlor         | 6.62       | 6.62      | 6.52      | 6.72 | 0.00       |
| Endrin ketone        | 6.85       | 6.84      | 6.74      | 6.94 | -0.01      |
| Endrin aldehyde      | 6.12       | 6.12      | 6.02      | 6.22 | 0.00       |
| alpha-Chlordane      | 5.05       | 5.05      | 4.95      | 5.15 | 0.00       |
| gamma-Chlordane      | 4.99       | 4.98      | 4.88      | 5.08 | -0.01      |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL04 Date Analyzed: 10/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL092613.D Time Analyzed: 17:20

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 6.717 | 6.610     | 6.810 | 44.000             | 50.000            | -12.0 |
| 4,4'-DDE             | 6.200 | 6.092     | 6.292 | 42.900             | 50.000            | -14.2 |
| 4,4'-DDT             | 7.031 | 6.924     | 7.124 | 44.660             | 50.000            | -10.7 |
| Aldrin               | 5.264 | 5.157     | 5.357 | 43.560             | 50.000            | -12.9 |
| alpha-BHC            | 4.003 | 3.894     | 4.094 | 45.660             | 50.000            | -8.7  |
| alpha-Chlordane      | 6.026 | 5.918     | 6.118 | 43.300             | 50.000            | -13.4 |
| beta-BHC             | 4.533 | 4.424     | 4.624 | 49.860             | 50.000            | -0.3  |
| Decachlorobiphenyl   | 9.061 | 8.955     | 9.155 | 49.250             | 50.000            | -1.5  |
| delta-BHC            | 4.780 | 4.671     | 4.871 | 45.280             | 50.000            | -9.4  |
| Dieldrin             | 6.350 | 6.245     | 6.445 | 42.880             | 50.000            | -14.2 |
| Endosulfan I         | 6.077 | 5.969     | 6.169 | 44.130             | 50.000            | -11.7 |
| Endosulfan II        | 6.801 | 6.694     | 6.894 | 43.530             | 50.000            | -12.9 |
| Endosulfan sulfate   | 7.166 | 7.059     | 7.259 | 44.870             | 50.000            | -10.3 |
| Endrin               | 6.582 | 6.474     | 6.674 | 42.050             | 50.000            | -15.9 |
| Endrin aldehyde      | 6.931 | 6.824     | 7.024 | 46.360             | 50.000            | -7.3  |
| Endrin ketone        | 7.650 | 7.544     | 7.744 | 46.450             | 50.000            | -7.1  |
| gamma-BHC (Lindane)  | 4.335 | 4.227     | 4.427 | 46.560             | 50.000            | -6.9  |
| gamma-Chlordane      | 5.948 | 5.839     | 6.039 | 43.260             | 50.000            | -13.5 |
| Heptachlor           | 4.922 | 4.815     | 5.015 | 45.870             | 50.000            | -8.3  |
| Heptachlor epoxide   | 5.690 | 5.583     | 5.783 | 43.230             | 50.000            | -13.5 |
| Methoxychlor         | 7.506 | 7.400     | 7.600 | 51.180             | 50.000            | 2.4   |
| Tetrachloro-m-xylene | 3.547 | 3.438     | 3.638 | 49.340             | 50.000            | -1.3  |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL04 Date Analyzed: 10/24/2024

Lab Sample No.: PSTDCCC050 Data File : PL092613.D Time Analyzed: 17:20

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.793 | 5.689     | 5.889 | 51.040             | 50.000            | 2.1  |
| 4,4'-DDE             | 5.238 | 5.134     | 5.334 | 52.810             | 50.000            | 5.6  |
| 4,4'-DDT             | 6.043 | 5.940     | 6.140 | 51.330             | 50.000            | 2.7  |
| Aldrin               | 4.232 | 4.129     | 4.329 | 52.500             | 50.000            | 5.0  |
| alpha-BHC            | 3.283 | 3.180     | 3.380 | 53.220             | 50.000            | 6.4  |
| alpha-Chlordane      | 5.048 | 4.945     | 5.145 | 52.100             | 50.000            | 4.2  |
| beta-BHC             | 3.912 | 3.810     | 4.010 | 52.170             | 50.000            | 4.3  |
| Decachlorobiphenyl   | 7.920 | 7.817     | 8.017 | 53.280             | 50.000            | 6.6  |
| delta-BHC            | 4.142 | 4.038     | 4.238 | 52.820             | 50.000            | 5.6  |
| Dieldrin             | 5.369 | 5.266     | 5.466 | 52.060             | 50.000            | 4.1  |
| Endosulfan I         | 5.105 | 5.001     | 5.201 | 53.500             | 50.000            | 7.0  |
| Endosulfan II        | 5.938 | 5.836     | 6.036 | 50.110             | 50.000            | 0.2  |
| Endosulfan sulfate   | 6.342 | 6.238     | 6.438 | 50.150             | 50.000            | 0.3  |
| Endrin               | 5.645 | 5.541     | 5.741 | 51.590             | 50.000            | 3.2  |
| Endrin aldehyde      | 6.119 | 6.016     | 6.216 | 50.880             | 50.000            | 1.8  |
| Endrin ketone        | 6.846 | 6.744     | 6.944 | 52.380             | 50.000            | 4.8  |
| gamma-BHC (Lindane)  | 3.613 | 3.510     | 3.710 | 53.810             | 50.000            | 7.6  |
| gamma-Chlordane      | 4.985 | 4.881     | 5.081 | 51.110             | 50.000            | 2.2  |
| Heptachlor           | 3.952 | 3.849     | 4.049 | 53.550             | 50.000            | 7.1  |
| Heptachlor epoxide   | 4.735 | 4.631     | 4.831 | 53.230             | 50.000            | 6.5  |
| Methoxychlor         | 6.619 | 6.515     | 6.715 | 56.150             | 50.000            | 12.3 |
| Tetrachloro-m-xylene | 2.779 | 2.677     | 2.877 | 54.610             | 50.000            | 9.2  |

**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D Date Analyzed: 10/21/2024

Lab Sample No.(PEM): PEM Time Analyzed: 12:33

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D    |
|----------------------|-------|-----------|-------|------------|------------|-------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |       |
| Decachlorobiphenyl   | 9.056 | 8.960     | 9.160 | 19.690     | 20.000     | -1.6  |
| Tetrachloro-m-xylene | 3.539 | 3.490     | 3.590 | 19.690     | 20.000     | -1.6  |
| alpha-BHC            | 3.995 | 3.940     | 4.050 | 10.390     | 10.000     | 3.9   |
| beta-BHC             | 4.525 | 4.470     | 4.580 | 9.750      | 10.000     | -2.5  |
| gamma-BHC (Lindane)  | 4.327 | 4.280     | 4.380 | 9.890      | 10.000     | -1.1  |
| Endrin               | 6.575 | 6.500     | 6.650 | 44.220     | 50.000     | -11.6 |
| 4,4'-DDT             | 7.025 | 6.950     | 7.100 | 91.010     | 100.000    | -9.0  |
| Methoxychlor         | 7.501 | 7.430     | 7.570 | 222.860    | 250.000    | -10.9 |

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D Date Analyzed: 10/21/2024

Lab Sample No.(PEM): PEM Time Analyzed: 12:33

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D   |
|----------------------|-------|-----------|-------|------------|------------|------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |      |
| Decachlorobiphenyl   | 7.918 | 7.820     | 8.020 | 19.360     | 20.000     | -3.2 |
| Tetrachloro-m-xylene | 2.777 | 2.730     | 2.830 | 19.090     | 20.000     | -4.6 |
| alpha-BHC            | 3.280 | 3.230     | 3.330 | 9.580      | 10.000     | -4.2 |
| beta-BHC             | 3.910 | 3.860     | 3.960 | 11.410     | 10.000     | 14.1 |
| gamma-BHC (Lindane)  | 3.610 | 3.560     | 3.660 | 9.570      | 10.000     | -4.3 |
| Endrin               | 5.642 | 5.570     | 5.710 | 45.220     | 50.000     | -9.6 |
| 4,4'-DDT             | 6.041 | 5.970     | 6.110 | 97.030     | 100.000    | -3.0 |
| Methoxychlor         | 6.616 | 6.550     | 6.690 | 226.150    | 250.000    | -9.5 |

### PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092552.D Date Analyzed: 10/23/2024

Lab Sample No.(PEM): PEM Time Analyzed: 08:38

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 9.057 | 8.960     | 9.160 | 18.320             | 20.000            | -8.4  |
| Tetrachloro-m-xylene | 3.541 | 3.490     | 3.590 | 18.540             | 20.000            | -7.3  |
| alpha-BHC            | 3.997 | 3.950     | 4.050 | 8.600              | 10.000            | -14.0 |
| beta-BHC             | 4.527 | 4.480     | 4.580 | 10.160             | 10.000            | 1.6   |
| gamma-BHC (Lindane)  | 4.330 | 4.280     | 4.380 | 8.720              | 10.000            | -12.8 |
| Endrin               | 6.575 | 6.500     | 6.650 | 34.870             | 50.000            | -30.3 |
| 4,4'-DDT             | 7.026 | 6.960     | 7.100 | 73.660             | 100.000           | -26.3 |
| Methoxychlor         | 7.502 | 7.430     | 7.570 | 194.550            | 250.000           | -22.2 |

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092552.D Date Analyzed: 10/23/2024

Lab Sample No.(PEM): PEM Time Analyzed: 08:38

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 7.918 | 7.820     | 8.020 | 20.250             | 20.000            | 1.3   |
| Tetrachloro-m-xylene | 2.780 | 2.730     | 2.830 | 19.380             | 20.000            | -3.1  |
| alpha-BHC            | 3.282 | 3.230     | 3.330 | 8.770              | 10.000            | -12.3 |
| beta-BHC             | 3.911 | 3.860     | 3.960 | 10.160             | 10.000            | 1.6   |
| gamma-BHC (Lindane)  | 3.612 | 3.560     | 3.660 | 8.540              | 10.000            | -14.6 |
| Endrin               | 5.643 | 5.570     | 5.710 | 42.520             | 50.000            | -15.0 |
| 4,4'-DDT             | 6.041 | 5.970     | 6.110 | 94.330             | 100.000           | -5.7  |
| Methoxychlor         | 6.616 | 6.550     | 6.690 | 227.710            | 250.000           | -8.9  |

### PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092590.D Date Analyzed: 10/24/2024

Lab Sample No.(PEM): PEM Time Analyzed: 10:06

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 9.058 | 8.960     | 9.160 | 19.320             | 20.000            | -3.4  |
| Tetrachloro-m-xylene | 3.541 | 3.490     | 3.590 | 19.300             | 20.000            | -3.5  |
| alpha-BHC            | 3.997 | 3.950     | 4.050 | 9.060              | 10.000            | -9.4  |
| beta-BHC             | 4.527 | 4.480     | 4.580 | 10.490             | 10.000            | 4.9   |
| gamma-BHC (Lindane)  | 4.329 | 4.280     | 4.380 | 9.110              | 10.000            | -8.9  |
| Endrin               | 6.577 | 6.510     | 6.650 | 36.800             | 50.000            | -26.4 |
| 4,4'-DDT             | 7.026 | 6.960     | 7.100 | 80.280             | 100.000           | -19.7 |
| Methoxychlor         | 7.503 | 7.430     | 7.570 | 215.310            | 250.000           | -13.9 |

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092590.D Date Analyzed: 10/24/2024

Lab Sample No.(PEM): PEM Time Analyzed: 10:06

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 7.918 | 7.820     | 8.020 | 21.540             | 20.000            | 7.7   |
| Tetrachloro-m-xylene | 2.779 | 2.730     | 2.830 | 19.600             | 20.000            | -2.0  |
| alpha-BHC            | 3.282 | 3.230     | 3.330 | 9.140              | 10.000            | -8.6  |
| beta-BHC             | 3.911 | 3.860     | 3.960 | 10.700             | 10.000            | 7.0   |
| gamma-BHC (Lindane)  | 3.612 | 3.560     | 3.660 | 8.890              | 10.000            | -11.1 |
| Endrin               | 5.643 | 5.570     | 5.710 | 43.270             | 50.000            | -13.5 |
| 4,4'-DDT             | 6.041 | 5.970     | 6.110 | 98.890             | 100.000           | -1.1  |
| Methoxychlor         | 6.616 | 6.550     | 6.690 | 247.330            | 250.000           | -1.1  |



## Analytical Sequence

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Project:** 86 Davidson Road, Piscataway, NJ

**Instrument ID:** ECD\_L

**GC Column:** ZB-MR2

**ID:** 0.32 (mm)

**Inst. Calib. Date(s):** 10/21/2024

10/21/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 10/21/2024       | 12:19            | PL092494.D | 9.06        | 3.54        |
| PEM               | PEM              | 10/21/2024       | 12:33            | PL092495.D | 9.06        | 3.54        |
| RESCHK            | RESCHK           | 10/21/2024       | 12:46            | PL092496.D | 9.06        | 3.54        |
| PSTDICC100        | PSTDICC100       | 10/21/2024       | 13:00            | PL092497.D | 9.06        | 3.54        |
| PSTDICC075        | PSTDICC075       | 10/21/2024       | 13:13            | PL092498.D | 9.06        | 3.54        |
| PSTDICC050        | PSTDICC050       | 10/21/2024       | 13:26            | PL092499.D | 9.06        | 3.54        |
| PSTDICC025        | PSTDICC025       | 10/21/2024       | 13:40            | PL092500.D | 9.05        | 3.54        |
| PSTDICC005        | PSTDICC005       | 10/21/2024       | 13:53            | PL092501.D | 9.06        | 3.54        |
| PCHLORICC500      | PCHLORICC500     | 10/21/2024       | 14:33            | PL092504.D | 9.06        | 3.54        |
| PTOXICC500        | PTOXICC500       | 10/21/2024       | 15:40            | PL092509.D | 9.06        | 3.54        |
| IBLK              | IBLK             | 10/23/2024       | 08:24            | PL092551.D | 9.06        | 3.54        |
| PEM               | PEM              | 10/23/2024       | 08:38            | PL092552.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 10/23/2024       | 09:38            | PL092553.D | 9.06        | 3.54        |
| PB164311BL        | PB164311BL       | 10/23/2024       | 09:52            | PL092554.D | 9.06        | 3.54        |
| PB164311BS        | PB164311BS       | 10/23/2024       | 13:33            | PL092555.D | 9.06        | 3.55        |
| TS-2              | P4474-01         | 10/23/2024       | 14:01            | PL092557.D | 9.06        | 3.54        |
| IBLK              | IBLK             | 10/23/2024       | 17:56            | PL092566.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 10/23/2024       | 18:50            | PL092568.D | 9.06        | 3.54        |
| IBLK              | IBLK             | 10/24/2024       | 09:53            | PL092589.D | 9.06        | 3.54        |
| PEM               | PEM              | 10/24/2024       | 10:06            | PL092590.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 10/24/2024       | 10:19            | PL092591.D | 9.06        | 3.54        |
| BP-F-28MS         | P4472-01MS       | 10/24/2024       | 11:35            | PL092595.D | 9.06        | 3.54        |
| BP-F-28MSD        | P4472-01MSD      | 10/24/2024       | 11:49            | PL092596.D | 9.06        | 3.54        |
| IBLK              | IBLK             | 10/24/2024       | 16:48            | PL092612.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 10/24/2024       | 17:20            | PL092613.D | 9.06        | 3.55        |

## Analytical Sequence

|                                                  |                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------|
| <b>Client:</b> Yannuzzi Group, Inc.              | <b>SDG No.:</b> P4474                                                        |
| <b>Project:</b> 86 Davidson Road, Piscataway, NJ | <b>Instrument ID:</b> ECD_L                                                  |
| <b>GC Column:</b> ZB-MR1                         | <b>ID:</b> 0.32 (mm) <b>Inst. Calib. Date(s):</b> 10/21/2024      10/21/2024 |

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 10/21/2024       | 12:19            | PL092494.D | 7.92        | 2.78        |
| PEM               | PEM              | 10/21/2024       | 12:33            | PL092495.D | 7.92        | 2.78        |
| RESCHK            | RESCHK           | 10/21/2024       | 12:46            | PL092496.D | 7.92        | 2.78        |
| PSTDICCC100       | PSTDICCC100      | 10/21/2024       | 13:00            | PL092497.D | 7.92        | 2.78        |
| PSTDICCC075       | PSTDICCC075      | 10/21/2024       | 13:13            | PL092498.D | 7.92        | 2.78        |
| PSTDICCC050       | PSTDICCC050      | 10/21/2024       | 13:26            | PL092499.D | 7.92        | 2.78        |
| PSTDICCC025       | PSTDICCC025      | 10/21/2024       | 13:40            | PL092500.D | 7.92        | 2.78        |
| PSTDICCC005       | PSTDICCC005      | 10/21/2024       | 13:53            | PL092501.D | 7.92        | 2.78        |
| PCHLORICC500      | PCHLORICC500     | 10/21/2024       | 14:33            | PL092504.D | 7.92        | 2.78        |
| PTOXICC500        | PTOXICC500       | 10/21/2024       | 15:40            | PL092509.D | 7.92        | 2.78        |
| IBLK              | IBLK             | 10/23/2024       | 08:24            | PL092551.D | 7.92        | 2.78        |
| PEM               | PEM              | 10/23/2024       | 08:38            | PL092552.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 10/23/2024       | 09:38            | PL092553.D | 7.92        | 2.78        |
| PB164311BL        | PB164311BL       | 10/23/2024       | 09:52            | PL092554.D | 7.92        | 2.78        |
| PB164311BS        | PB164311BS       | 10/23/2024       | 13:33            | PL092555.D | 7.92        | 2.78        |
| TS-2              | P4474-01         | 10/23/2024       | 14:01            | PL092557.D | 7.92        | 2.78        |
| IBLK              | IBLK             | 10/23/2024       | 17:56            | PL092566.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 10/23/2024       | 18:50            | PL092568.D | 7.92        | 2.78        |
| IBLK              | IBLK             | 10/24/2024       | 09:53            | PL092589.D | 7.92        | 2.78        |
| PEM               | PEM              | 10/24/2024       | 10:06            | PL092590.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 10/24/2024       | 10:19            | PL092591.D | 7.92        | 2.78        |
| BP-F-28MS         | P4472-01MS       | 10/24/2024       | 11:35            | PL092595.D | 7.92        | 2.78        |
| BP-F-28MSD        | P4472-01MSD      | 10/24/2024       | 11:49            | PL092596.D | 7.92        | 2.78        |
| IBLK              | IBLK             | 10/24/2024       | 16:48            | PL092612.D | 7.92        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 10/24/2024       | 17:20            | PL092613.D | 7.92        | 2.78        |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

BP-F-28MS

Contract: YANN01

Lab Code: CHEM

Case No.: P4474

SAS No.: P4474

SDG NO.: P4474

Lab Sample ID: P4472-01MS

Date(s) Analyzed: 10/24/2024

10/24/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| Endosulfan II      | 1   | 6.80 | 6.75      | 6.85 | 13.8          | 8.3  |
|                    | 2   | 5.94 | 5.89      | 5.99 | 15.0          |      |
| 4,4'-DDD           | 1   | 6.71 | 6.66      | 6.76 | 13.5          | 4.3  |
|                    | 2   | 5.79 | 5.74      | 5.84 | 14.1          |      |
| 4,4'-DDT           | 1   | 7.03 | 6.98      | 7.08 | 14.4          | 2.1  |
|                    | 2   | 6.04 | 5.99      | 6.09 | 14.7          |      |
| Endrin aldehyde    | 1   | 6.93 | 6.88      | 6.98 | 14.0          | 0.7  |
|                    | 2   | 6.12 | 6.07      | 6.17 | 13.9          |      |
| Endosulfan sulfate | 1   | 7.16 | 7.11      | 7.21 | 14.2          | 1.4  |
|                    | 2   | 6.34 | 6.29      | 6.39 | 14.4          |      |
| alpha-BHC          | 1   | 4.00 | 3.95      | 4.05 | 11.2          | 2.7  |
|                    | 2   | 3.28 | 3.23      | 3.33 | 10.9          |      |
| Aldrin             | 1   | 5.26 | 5.21      | 5.31 | 12.5          | 0    |
|                    | 2   | 4.23 | 4.18      | 4.28 | 12.5          |      |
| beta-BHC           | 1   | 4.53 | 4.48      | 4.58 | 12.4          | 5.8  |
|                    | 2   | 3.91 | 3.86      | 3.96 | 11.7          |      |
| delta-BHC          | 1   | 4.77 | 4.72      | 4.82 | 11.5          | 4.3  |
|                    | 2   | 4.14 | 4.09      | 4.19 | 12.0          |      |
| Endosulfan I       | 1   | 6.07 | 6.02      | 6.12 | 13.7          | 2.2  |
|                    | 2   | 5.10 | 5.05      | 5.15 | 13.4          |      |
| alpha-Chlordane    | 1   | 6.02 | 5.97      | 6.07 | 13.1          | 7.4  |
|                    | 2   | 5.05 | 5.00      | 5.10 | 14.1          |      |
| 4,4'-DDE           | 1   | 6.19 | 6.14      | 6.24 | 12.1          | 7.9  |
|                    | 2   | 5.24 | 5.19      | 5.29 | 13.1          |      |
| Dieldrin           | 1   | 6.35 | 6.30      | 6.40 | 12.7          | 6.8  |
|                    | 2   | 5.37 | 5.32      | 5.42 | 13.6          |      |
| Endrin             | 1   | 6.58 | 6.53      | 6.63 | 13.2          | 13.4 |
|                    | 2   | 5.64 | 5.59      | 5.69 | 15.1          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-28MS

Contract: YANN01

Lab Code: CHEM

Case No.: P4474

SAS No.: P4474

SDG NO.: P4474

Lab Sample ID: P4472-01MS

Date(s) Analyzed: 10/24/2024

10/24/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Methoxychlor        | 1   | 7.50 | 7.45      | 7.55 | 16.4          | 1.2  |
|                     | 2   | 6.62 | 6.57      | 6.67 | 16.6          |      |
| Endrin ketone       | 1   | 7.65 | 7.60      | 7.70 | 14.6          | 2.1  |
|                     | 2   | 6.85 | 6.80      | 6.90 | 14.3          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 12.3          | 4.1  |
|                     | 2   | 3.61 | 3.56      | 3.66 | 11.8          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 12.8          | 3.2  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 12.4          |      |
| Heptachlor epoxide  | 1   | 5.69 | 5.64      | 5.74 | 12.1          | 11.7 |
|                     | 2   | 4.73 | 4.68      | 4.78 | 13.6          |      |
| gamma-Chlordane     | 1   | 5.94 | 5.89      | 5.99 | 12.7          | 13.2 |
|                     | 2   | 4.98 | 4.93      | 5.03 | 14.5          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-28MSD

Contract: YANN01

Lab Code: CHEM

Case No.: P4474

SAS No.: P4474

SDG NO.: P4474

Lab Sample ID: P4472-01MSD

Date(s) Analyzed: 10/24/2024

10/24/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.80 | 6.75      | 6.85 | 14.0          | 10.2 |
|                     | 2   | 5.94 | 5.89      | 5.99 | 15.5          |      |
| 4,4'-DDD            | 1   | 6.71 | 6.66      | 6.76 | 13.7          | 9.1  |
|                     | 2   | 5.79 | 5.74      | 5.84 | 15.0          |      |
| 4,4'-DDT            | 1   | 7.03 | 6.98      | 7.08 | 14.9          | 4.6  |
|                     | 2   | 6.04 | 5.99      | 6.09 | 15.6          |      |
| Endrin aldehyde     | 1   | 6.93 | 6.88      | 6.98 | 14.4          | 3.4  |
|                     | 2   | 6.12 | 6.07      | 6.17 | 14.9          |      |
| Endosulfan sulfate  | 1   | 7.16 | 7.11      | 7.21 | 14.4          | 4.7  |
|                     | 2   | 6.34 | 6.29      | 6.39 | 15.1          |      |
| Methoxychlor        | 1   | 7.50 | 7.45      | 7.55 | 17.0          | 0.6  |
|                     | 2   | 6.62 | 6.57      | 6.67 | 17.1          |      |
| Endrin ketone       | 1   | 7.65 | 7.60      | 7.70 | 15.1          | 4.5  |
|                     | 2   | 6.85 | 6.80      | 6.90 | 15.8          |      |
| alpha-BHC           | 1   | 4.00 | 3.95      | 4.05 | 11.5          | 9.1  |
|                     | 2   | 3.28 | 3.23      | 3.33 | 10.5          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 12.3          | 3.3  |
|                     | 2   | 3.61 | 3.56      | 3.66 | 11.9          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 12.9          | 3.1  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 12.5          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 12.4          | 0.8  |
|                     | 2   | 4.23 | 4.18      | 4.28 | 12.5          |      |
| beta-BHC            | 1   | 4.53 | 4.48      | 4.58 | 12.3          | 0    |
|                     | 2   | 3.91 | 3.86      | 3.96 | 12.3          |      |
| delta-BHC           | 1   | 4.77 | 4.72      | 4.82 | 11.5          | 0    |
|                     | 2   | 4.14 | 4.09      | 4.19 | 11.5          |      |
| Heptachlor epoxide  | 1   | 5.69 | 5.64      | 5.74 | 11.8          | 17.8 |
|                     | 2   | 4.73 | 4.68      | 4.78 | 14.1          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-28MSD

Contract: YANN01

Lab Code: CHEM Case No.: P4474

SAS No.: P4474 SDG NO.: P4474

Lab Sample ID: P4472-01MSD

Date(s) Analyzed: 10/24/2024 10/24/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR2 ID: 0.32 (mm)

GC Column: (2): ZB-MR1 ID: 0.32 (mm)

| ANALYTE         | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| Endosulfan I    | 1   | 6.07 | 6.02      | 6.12 | 12.8          | 14.5 |
|                 | 2   | 5.10 | 5.05      | 5.15 | 14.8          |      |
| gamma-Chlordane | 1   | 5.94 | 5.89      | 5.99 | 12.9          | 14.4 |
|                 | 2   | 4.98 | 4.93      | 5.03 | 14.9          |      |
| alpha-Chlordane | 1   | 6.02 | 5.97      | 6.07 | 13.5          | 6.5  |
|                 | 2   | 5.05 | 5.00      | 5.10 | 14.4          |      |
| 4,4'-DDE        | 1   | 6.20 | 6.15      | 6.25 | 12.6          | 3.9  |
|                 | 2   | 5.24 | 5.19      | 5.29 | 13.1          |      |
| Dieldrin        | 1   | 6.35 | 6.30      | 6.40 | 13.0          | 6    |
|                 | 2   | 5.37 | 5.32      | 5.42 | 13.8          |      |
| Endrin          | 1   | 6.58 | 6.53      | 6.63 | 13.4          | 11.3 |
|                 | 2   | 5.64 | 5.59      | 5.69 | 15.0          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164311BS

Contract: YANN01

Lab Code: CHEM

Case No.: P4474

SAS No.: P4474

SDG NO.: P4474

Lab Sample ID: PB164311BS

Date(s) Analyzed: 10/23/2024

10/23/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.80 | 6.75      | 6.85 | 14.7          | 15.1 |
|                     | 2   | 5.94 | 5.89      | 5.99 | 17.1          |      |
| 4,4'-DDD            | 1   | 6.72 | 6.67      | 6.77 | 14.6          | 16.9 |
|                     | 2   | 5.79 | 5.74      | 5.84 | 17.3          |      |
| 4,4'-DDT            | 1   | 7.03 | 6.98      | 7.08 | 13.8          | 14.1 |
|                     | 2   | 6.04 | 5.99      | 6.09 | 15.9          |      |
| Endrin aldehyde     | 1   | 6.93 | 6.88      | 6.98 | 15.6          | 12   |
|                     | 2   | 6.12 | 6.07      | 6.17 | 17.6          |      |
| Endosulfan sulfate  | 1   | 7.16 | 7.11      | 7.21 | 15.0          | 13.1 |
|                     | 2   | 6.34 | 6.29      | 6.39 | 17.1          |      |
| Methoxychlor        | 1   | 7.51 | 7.46      | 7.56 | 15.6          | 10.9 |
|                     | 2   | 6.62 | 6.57      | 6.67 | 17.4          |      |
| Endrin ketone       | 1   | 7.65 | 7.60      | 7.70 | 15.6          | 15.9 |
|                     | 2   | 6.85 | 6.80      | 6.90 | 18.3          |      |
| alpha-BHC           | 1   | 4.00 | 3.95      | 4.05 | 14.4          | 14.8 |
|                     | 2   | 3.28 | 3.23      | 3.33 | 16.7          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 14.6          | 14.6 |
|                     | 2   | 3.61 | 3.56      | 3.66 | 16.9          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 14.5          | 17   |
|                     | 2   | 3.95 | 3.90      | 4.00 | 17.2          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 14.1          | 19.8 |
|                     | 2   | 4.23 | 4.18      | 4.28 | 17.2          |      |
| beta-BHC            | 1   | 4.53 | 4.48      | 4.58 | 15.9          | 7.3  |
|                     | 2   | 3.91 | 3.86      | 3.96 | 17.1          |      |
| delta-BHC           | 1   | 4.78 | 4.73      | 4.83 | 14.7          | 13.3 |
|                     | 2   | 4.14 | 4.09      | 4.19 | 16.8          |      |
| Heptachlor epoxide  | 1   | 5.69 | 5.64      | 5.74 | 14.5          | 21   |
|                     | 2   | 4.73 | 4.68      | 4.78 | 17.9          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164311BS

Contract: YANN01

Lab Code: CHEM

Case No.: P4474

SAS No.: P4474

SDG NO.: P4474

Lab Sample ID: PB164311BS

Date(s) Analyzed: 10/23/2024

10/23/2024

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

| ANALYTE         | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| Endosulfan I    | 1   | 6.08 | 6.03      | 6.13 | 14.5          | 22.1 |
|                 | 2   | 5.10 | 5.05      | 5.15 | 18.1          |      |
| gamma-Chlordane | 1   | 5.95 | 5.90      | 6.00 | 14.4          | 17.7 |
|                 | 2   | 4.98 | 4.93      | 5.03 | 17.2          |      |
| alpha-Chlordane | 1   | 6.03 | 5.98      | 6.08 | 14.3          | 20.7 |
|                 | 2   | 5.05 | 5.00      | 5.10 | 17.6          |      |
| 4,4'-DDE        | 1   | 6.20 | 6.15      | 6.25 | 14.0          | 21.1 |
|                 | 2   | 5.24 | 5.19      | 5.29 | 17.3          |      |
| Dieldrin        | 1   | 6.35 | 6.30      | 6.40 | 14.3          | 19   |
|                 | 2   | 5.37 | 5.32      | 5.42 | 17.3          |      |
| Endrin          | 1   | 6.58 | 6.53      | 6.63 | 13.5          | 20   |
|                 | 2   | 5.64 | 5.59      | 5.69 | 16.5          |      |





LAB CHRONICLE

|          |                      |            |                                  |
|----------|----------------------|------------|----------------------------------|
| OrderID: | P4474                | OrderDate: | 10/21/2024 3:19:00 PM            |
| Client:  | Yannuzzi Group, Inc. | Project:   | 86 Davidson Road, Piscataway, NJ |
| Contact: | Rafael Nunez         | Location:  | K61                              |

| LabID    | ClientID | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|---------------|--------|-------------|-----------|-----------|----------|
| P4474-01 | TS-2     | SOIL   |               |        | 10/18/24    |           |           | 10/21/24 |
|          |          |        | PCB           | 8082A  |             | 10/22/24  | 10/22/24  |          |
|          |          |        | Pesticide-TCL | 8081B  |             | 10/22/24  | 10/23/24  |          |
|          |          |        | TPH GC        | 8015D  |             | 10/22/24  | 10/22/24  |          |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** P4474

**Order ID:** P4474

**Client:** Yannuzzi Group, Inc.

**Project ID:** 86 Davidson Road, Piscataway, NJ

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|

Client ID :

**Total Concentration: 0.000**

A  
B  
C  
D  
E  
F  
G



# SAMPLE DATA

## Report of Analysis

|                    |                                  |          |                    |          |           |
|--------------------|----------------------------------|----------|--------------------|----------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    | 10/18/24 |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     | 10/21/24 |           |
| Client Sample ID:  | TS-2                             |          | SDG No.:           | P4474    |           |
| Lab Sample ID:     | P4474-01                         |          | Matrix:            | SOIL     |           |
| Analytical Method: | SW8082A                          |          | % Solid:           | 48.2     | Decanted: |
| Sample Wt/Vol:     | 30.05                            | Units: g | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | PCB      |           |
| Extraction Type:   |                                  |          | Injection Volume : |          |           |
| GPC Factor :       | 1.0                              | PH :     |                    |          |           |
| Prep Method :      | SW3541B                          |          |                    |          |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP068144.D        | 1         | 10/22/24 10:10 | 10/22/24 19:44 | PB164310      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 12674-11-2        | Aroclor-1016         | 7.00  | U         | 7.00                | 35.2       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 13.3  | U         | 13.3                | 35.2       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 7.00  | U         | 7.00                | 35.2       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 7.00  | U         | 7.00                | 35.2       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 16.3  | U         | 16.3                | 35.2       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 5.70  | U         | 5.70                | 35.2       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 9.50  | U         | 9.50                | 35.2       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 7.10  | U         | 7.10                | 35.2       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 6.00  | U         | 6.00                | 35.2       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 16.0  |           | 30 (32) - 150 (144) | 80%        | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 12.6  |           | 30 (32) - 150 (175) | 63%        | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



# QC SUMMARY

### Surrogate Summary

SDG No.: **P4474**

Client: **Yannuzzi Group, Inc.**

Analytical Method: **8082A**

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits  |           |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|---------|-----------|
|                  |                  |                      |        |       |        |     |      | Low     | High      |
| I.BLK-PP067586.D | PIBLK-PP067586.D | Tetrachloro-m-xylene | 1      | 20    | 21.1   | 105 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 23.6   | 118 |      | 70 (60) | 130 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 22.1   | 110 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 23.5   | 117 |      | 70 (60) | 130 (140) |
| I.BLK-PP068124.D | PIBLK-PP068124.D | Tetrachloro-m-xylene | 1      | 20    | 21.1   | 106 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 18.1   | 91  |      | 70 (60) | 130 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.3   | 102 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 18.8   | 94  |      | 70 (60) | 130 (140) |
| PB164310BL       | PB164310BL       | Tetrachloro-m-xylene | 1      | 20    | 20.1   | 101 |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 17.2   | 86  |      | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.0   | 95  |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 18.6   | 93  |      | 30 (32) | 150 (175) |
| PB164310BS       | PB164310BS       | Tetrachloro-m-xylene | 1      | 20    | 20.0   | 100 |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 17.5   | 88  |      | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.7   | 94  |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 18.5   | 93  |      | 30 (32) | 150 (175) |
| I.BLK-PP068139.D | PIBLK-PP068139.D | Tetrachloro-m-xylene | 1      | 20    | 20.0   | 100 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 20.4   | 102 |      | 70 (60) | 130 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.2   | 96  |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 19.5   | 98  |      | 70 (60) | 130 (140) |
| P4472-05MS       | BP-F-6MS         | Tetrachloro-m-xylene | 1      | 20    | 21.0   | 105 |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 20.1   | 100 |      | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.3   | 91  |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 18.6   | 93  |      | 30 (32) | 150 (175) |
| P4472-05MSD      | BP-F-6MSD        | Tetrachloro-m-xylene | 1      | 20    | 21.3   | 106 |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 20.1   | 101 |      | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.2   | 91  |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 18.8   | 94  |      | 30 (32) | 150 (175) |
| P4474-01         | TS-2             | Tetrachloro-m-xylene | 1      | 20    | 16.0   | 80  |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 12.6   | 63  |      | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 14.5   | 72  |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 11.8   | 59  |      | 30 (32) | 150 (175) |
| I.BLK-PP068149.D | PIBLK-PP068149.D | Tetrachloro-m-xylene | 1      | 20    | 20.8   | 104 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 22.1   | 111 |      | 70 (60) | 130 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.0   | 95  |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.2   | 101 |      | 70 (60) | 130 (140) |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8082A

DataFile : PP068141.D

| Lab Sample ID:                  | Parameter | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low     | Limits<br>High | RPD |
|---------------------------------|-----------|-------|------------------|--------|-------|-----|-------------|-----|-------------|---------|----------------|-----|
| Client Sample ID:<br>P4472-05MS | BP-F-6MS  |       |                  |        |       |     |             |     |             |         |                |     |
|                                 | AR1016    | 182.8 | 0                | 167    | ug/kg | 91  |             |     |             | 40 (55) | 140 (146)      |     |
|                                 | AR1260    | 182.8 | 0                | 149    | ug/kg | 82  |             |     |             | 40 (45) | 140 (144)      |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4474

Client: Yannuzzi Group, Inc.

Analytical Method: 8082A

DataFile : PP068142.D

| Lab Sample ID:                   | Parameter | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low     | Limits<br>High | RPD     |
|----------------------------------|-----------|-------|------------------|--------|-------|-----|-------------|-----|-------------|---------|----------------|---------|
| Client Sample ID:<br>P4472-05MSD | BP-F-6MSD |       |                  |        |       |     |             |     |             |         |                |         |
|                                  | AR1016    | 182.7 | 0                | 169    | ug/kg | 93  |             | 2   |             | 40 (55) | 140 (146)      | 30 (20) |
|                                  | AR1260    | 182.7 | 0                | 147    | ug/kg | 80  |             | 2   |             | 40 (45) | 140 (144)      | 30 (20) |



**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

**SDG No.:** P4474

**Client:** Yannuzzi Group, Inc.

**Analytical Method:** **8082A** **Datafile :** PP068126.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD  |         | Limits    |  | RPD |
|---------------|-----------|-------|--------|-------|-----|-----|------|------|---------|-----------|--|-----|
|               |           |       |        |       |     |     |      | Qual | Low     | High      |  |     |
| PB164310BS    | AR1016    | 166.6 | 134    | ug/kg | 80  |     |      |      | 40 (71) | 140 (120) |  |     |
|               | AR1260    | 166.6 | 132    | ug/kg | 79  |     |      |      | 40 (65) | 140 (130) |  |     |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164310BL

Lab Name: CHEMTECH

Contract: YANN01

Lab Code: CHEM Case No.: P4474

SAS No.: P4474 SDG NO.: P4474

Lab Sample ID: PB164310BL

Lab File ID: PP068125.D

Matrix: (soil/water) Solid

Extraction: (Type) \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/22/2024

Date Analyzed (1): 10/22/2024

Date Analyzed (2): 10/22/2024

Time Analyzed (1): 13:55

Time Analyzed (2): 13:55

Instrument ID (1): ECD\_P

Instrument ID (2): ECD\_P

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB164310BS        | PB164310BS       | PP068126.D     | 10/22/2024         | 10/22/2024         |
| BP-F-6MS          | P4472-05MS       | PP068141.D     | 10/22/2024         | 10/22/2024         |
| BP-F-6MSD         | P4472-05MSD      | PP068142.D     | 10/22/2024         | 10/22/2024         |
| TS-2              | P4474-01         | PP068144.D     | 10/22/2024         | 10/22/2024         |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_



# CALIBRATION SUMMARY



**RETENTION TIMES OF INITIAL CALIBRATION**

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Decachlorobiphenyl   | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.57 | 10.77 |
| Tetrachloro-m-xylene | 4.76  | 4.75  | 4.75  | 4.75  | 4.75  | 4.75  | 4.65  | 4.85  |

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# RETENTION TIMES OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Instrument ID: ECD\_P Calibration Date(s): 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

| COMPOUND             |     | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN<br>RT | RT WINDOW |      |
|----------------------|-----|---------|--------|--------|--------|--------|------------|-----------|------|
|                      |     |         |        |        |        |        |            | FROM      | TO   |
| Aroclor-1016-1       | (1) | 5.16    | 5.16   | 5.16   | 5.16   | 5.16   | 5.16       | 5.06      | 5.26 |
| Aroclor-1016-2       | (2) | 5.18    | 5.18   | 5.18   | 5.18   | 5.18   | 5.18       | 5.08      | 5.28 |
| Aroclor-1016-3       | (3) | 5.36    | 5.36   | 5.36   | 5.36   | 5.36   | 5.36       | 5.26      | 5.46 |
| Aroclor-1016-4       | (4) | 5.40    | 5.40   | 5.40   | 5.40   | 5.40   | 5.40       | 5.30      | 5.50 |
| Aroclor-1016-5       | (5) | 5.62    | 5.62   | 5.62   | 5.62   | 5.62   | 5.62       | 5.52      | 5.72 |
| Aroclor-1260-1       | (1) | 6.66    | 6.66   | 6.66   | 6.66   | 6.66   | 6.66       | 6.56      | 6.76 |
| Aroclor-1260-2       | (2) | 6.85    | 6.85   | 6.85   | 6.85   | 6.85   | 6.85       | 6.75      | 6.95 |
| Aroclor-1260-3       | (3) | 7.01    | 7.01   | 7.01   | 7.01   | 7.01   | 7.01       | 6.91      | 7.11 |
| Aroclor-1260-4       | (4) | 7.48    | 7.48   | 7.48   | 7.48   | 7.48   | 7.48       | 7.38      | 7.58 |
| Aroclor-1260-5       | (5) | 7.72    | 7.72   | 7.72   | 7.72   | 7.72   | 7.72       | 7.62      | 7.82 |
| Decachlorobiphenyl   |     | 9.22    | 9.22   | 9.22   | 9.22   | 9.22   | 9.22       | 9.12      | 9.32 |
| Tetrachloro-m-xylene |     | 4.05    | 4.05   | 4.05   | 4.05   | 4.05   | 4.05       | 3.95      | 4.15 |
| Aroclor-1242-1       | (1) | 5.16    | 5.16   | 5.16   | 5.16   | 5.16   | 5.16       | 5.06      | 5.26 |
| Aroclor-1242-2       | (2) | 5.18    | 5.18   | 5.18   | 5.18   | 5.18   | 5.18       | 5.08      | 5.28 |
| Aroclor-1242-3       | (3) | 5.36    | 5.36   | 5.36   | 5.36   | 5.36   | 5.36       | 5.26      | 5.46 |
| Aroclor-1242-4       | (4) | 5.45    | 5.45   | 5.45   | 5.44   | 5.45   | 5.45       | 5.35      | 5.55 |
| Aroclor-1242-5       | (5) | 5.97    | 5.98   | 5.98   | 5.97   | 5.98   | 5.98       | 5.88      | 6.08 |
| Decachlorobiphenyl   |     | 9.22    | 9.22   | 9.22   | 9.22   | 9.22   | 9.22       | 9.12      | 9.32 |
| Tetrachloro-m-xylene |     | 4.05    | 4.05   | 4.05   | 4.05   | 4.05   | 4.05       | 3.95      | 4.15 |
| Aroclor-1248-1       | (1) | 5.16    | 5.16   | 5.16   | 5.16   | 5.16   | 5.16       | 5.06      | 5.26 |
| Aroclor-1248-2       | (2) | 5.40    | 5.40   | 5.40   | 5.40   | 5.40   | 5.40       | 5.30      | 5.50 |
| Aroclor-1248-3       | (3) | 5.44    | 5.45   | 5.44   | 5.44   | 5.45   | 5.44       | 5.34      | 5.54 |
| Aroclor-1248-4       | (4) | 5.62    | 5.62   | 5.62   | 5.62   | 5.62   | 5.62       | 5.52      | 5.72 |
| Aroclor-1248-5       | (5) | 6.02    | 6.02   | 6.02   | 6.02   | 6.02   | 6.02       | 5.92      | 6.12 |
| Decachlorobiphenyl   |     | 9.22    | 9.22   | 9.22   | 9.22   | 9.22   | 9.22       | 9.12      | 9.32 |
| Tetrachloro-m-xylene |     | 4.05    | 4.05   | 4.05   | 4.05   | 4.05   | 4.05       | 3.95      | 4.15 |
| Aroclor-1254-1       | (1) | 5.98    | 5.97   | 5.98   | 5.98   | 5.98   | 5.98       | 5.88      | 6.08 |
| Aroclor-1254-2       | (2) | 6.12    | 6.12   | 6.12   | 6.12   | 6.12   | 6.12       | 6.02      | 6.22 |
| Aroclor-1254-3       | (3) | 6.53    | 6.53   | 6.53   | 6.53   | 6.53   | 6.53       | 6.43      | 6.63 |
| Aroclor-1254-4       | (4) | 6.76    | 6.76   | 6.76   | 6.76   | 6.76   | 6.76       | 6.66      | 6.86 |
| Aroclor-1254-5       | (5) | 7.18    | 7.18   | 7.18   | 7.18   | 7.18   | 7.18       | 7.08      | 7.28 |
| Decachlorobiphenyl   |     | 9.22    | 9.22   | 9.22   | 9.22   | 9.22   | 9.22       | 9.12      | 9.32 |
| Tetrachloro-m-xylene |     | 4.05    | 4.05   | 4.05   | 4.05   | 4.05   | 4.05       | 3.95      | 4.15 |
| Aroclor-1268-1       | (1) | 8.01    | 8.01   | 8.01   | 8.01   | 8.01   | 8.01       | 7.91      | 8.11 |
| Aroclor-1268-2       | (2) | 8.07    | 8.07   | 8.07   | 8.07   | 8.07   | 8.07       | 7.97      | 8.17 |
| Aroclor-1268-3       | (3) | 8.29    | 8.29   | 8.29   | 8.29   | 8.29   | 8.29       | 8.19      | 8.39 |
| Aroclor-1268-4       | (4) | 8.60    | 8.60   | 8.60   | 8.60   | 8.60   | 8.60       | 8.50      | 8.70 |
| Aroclor-1268-5       | (5) | 8.93    | 8.93   | 8.93   | 8.92   | 8.93   | 8.93       | 8.83      | 9.03 |

**RETENTION TIMES OF INITIAL CALIBRATION**

|                      |      |      |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|------|------|
| Decachlorobiphenyl   | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.12 | 9.32 |
| Tetrachloro-m-xylene | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 3.95 | 4.15 |

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# CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Instrument ID: ECD\_P

Calibration Date(s): 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

GC Column: ZB-MR1 ID: 0.32 (mm)

| LAB FILE ID:               |     | CF 1000 = <u>PP067587.D</u> |            | CF 750 = <u>PP067588.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP067589.D</u> |     | CF 250 = <u>PP067590.D</u>  |            | CF 050 = <u>PP067591.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 31263736                    | 32233361   | 34196172                   | 36221284   | 31418860   | 33066683   |
| Aroclor-1016-2             | (2) | 45702590                    | 47619661   | 49829602                   | 53216480   | 47485960   | 48770859   |
| Aroclor-1016-3             | (3) | 29655293                    | 30980703   | 32521866                   | 34545868   | 29856000   | 31511946   |
| Aroclor-1016-4             | (4) | 24305642                    | 24965132   | 26130902                   | 27480568   | 25835960   | 25743641   |
| Aroclor-1016-5             | (5) | 25253642                    | 26507995   | 28106138                   | 29556500   | 25910240   | 27066903   |
| Aroclor-1260-1             | (1) | 48881600                    | 51062627   | 53497292                   | 60189956   | 56487000   | 54023695   |
| Aroclor-1260-2             | (2) | 57303356                    | 59473712   | 62743556                   | 68896016   | 67937280   | 63270784   |
| Aroclor-1260-3             | (3) | 47767972                    | 49860571   | 52672962                   | 57075820   | 51866880   | 51848841   |
| Aroclor-1260-4             | (4) | 55679811                    | 58146343   | 61152700                   | 66302976   | 59690240   | 60194414   |
| Aroclor-1260-5             | (5) | 101142428                   | 103711039  | 108382514                  | 116162164  | 109162380  | 107712105  |
| Decachlorobiphenyl         |     | 1047572970                  | 1092521333 | 1163088620                 | 1272493760 | 1180845600 | 1151304457 |
| Tetrachloro-m-xylene       |     | 918389550                   | 937648760  | 969374660                  | 977965440  | 824831600  | 925642002  |
| Aroclor-1242-1             | (1) | 26136486                    | 27020177   | 28880182                   | 30131840   | 27517000   | 27937137   |
| Aroclor-1242-2             | (2) | 37560737                    | 39520053   | 41823206                   | 43424048   | 40845460   | 40634701   |
| Aroclor-1242-3             | (3) | 24775066                    | 25964975   | 27626992                   | 28013716   | 28443000   | 26964750   |
| Aroclor-1242-4             | (4) | 19919938                    | 20877219   | 22020082                   | 22198916   | 22236220   | 21450475   |
| Aroclor-1242-5             | (5) | 22664411                    | 23310707   | 24494326                   | 25449828   | 24710200   | 24125894   |
| Decachlorobiphenyl         |     | 1049846500                  | 1096431853 | 1183590260                 | 1273416280 | 1210794800 | 1162815939 |
| Tetrachloro-m-xylene       |     | 918045770                   | 945319107  | 991838280                  | 988565840  | 844744200  | 937702639  |
| Aroclor-1248-1             | (1) | 19592099                    | 21187299   | 21900336                   | 23649416   | 20785280   | 21422886   |
| Aroclor-1248-2             | (2) | 29912773                    | 32262593   | 34275072                   | 36926580   | 34706360   | 33616676   |
| Aroclor-1248-3             | (3) | 33038688                    | 35344895   | 37623064                   | 40558304   | 36562360   | 36625462   |
| Aroclor-1248-4             | (4) | 36925252                    | 39416441   | 41800322                   | 44728924   | 39382640   | 40450716   |
| Aroclor-1248-5             | (5) | 36740691                    | 38953265   | 40984016                   | 43781648   | 37845340   | 39660992   |
| Decachlorobiphenyl         |     | 1055450820                  | 1109667187 | 1169649200                 | 1282118000 | 1302489400 | 1183874921 |
| Tetrachloro-m-xylene       |     | 902146960                   | 926581653  | 953867240                  | 992359080  | 895156800  | 934022347  |
| Aroclor-1254-1             | (1) | 40350769                    | 42082559   | 45284156                   | 48868552   | 47326420   | 44782491   |
| Aroclor-1254-2             | (2) | 59814731                    | 62129524   | 65787698                   | 71625140   | 71131660   | 66097751   |
| Aroclor-1254-3             | (3) | 64043672                    | 65831181   | 69388346                   | 74782692   | 73217700   | 69452718   |
| Aroclor-1254-4             | (4) | 45989306                    | 47460167   | 50157578                   | 54420004   | 51495700   | 49904551   |
| Aroclor-1254-5             | (5) | 54192853                    | 57072867   | 59852552                   | 64108404   | 61236860   | 59292707   |
| Decachlorobiphenyl         |     | 1068499200                  | 1106116080 | 1182150460                 | 1298012320 | 1262855400 | 1183526692 |
| Tetrachloro-m-xylene       |     | 931363580                   | 935898013  | 956149560                  | 989159640  | 878805200  | 938275199  |
| Aroclor-1268-1             | (1) | 139515419                   | 144470283  | 150997662                  | 162718796  | 165540620  | 152648556  |



**CALIBRATION FACTOR OF INITIAL CALIBRATION**

|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1268-2       | (2) | 125679796  | 130088461  | 136577130  | 145743784  | 144888120  | 136595458  | 6 |
| Aroclor-1268-3       | (3) | 110668977  | 116741077  | 119635012  | 130534268  | 127010440  | 120917955  | 7 |
| Aroclor-1268-4       | (4) | 48063749   | 49890017   | 52720184   | 55641072   | 47784700   | 50819944   | 7 |
| Aroclor-1268-5       | (5) | 348373365  | 356693093  | 372169718  | 389623012  | 400486540  | 373469146  | 6 |
| Decachlorobiphenyl   |     | 1758376420 | 1827520213 | 1952930880 | 2093924120 | 2163079000 | 1959166127 | 9 |
| Tetrachloro-m-xylene |     | 908125750  | 922962547  | 955684560  | 986676760  | 888810200  | 932451963  | 4 |

# CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Instrument ID: ECD\_P Calibration Date(s): 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

GC Column: ZB-MR2 ID: 0.32 (mm)

| LAB FILE ID:               |     | CF 1000 = <u>PP067587.D</u> |            | CF 750 = <u>PP067588.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP067589.D</u> |     | CF 250 = <u>PP067590.D</u>  |            | CF 050 = <u>PP067591.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 32214100                    | 33511487   | 34894776                   | 37855020   | 36460880   | 34987253   |
| Aroclor-1016-2             | (2) | 45072170                    | 46943971   | 48711842                   | 52177748   | 47937020   | 48168550   |
| Aroclor-1016-3             | (3) | 25675074                    | 27277663   | 27567444                   | 28514452   | 25652840   | 26937495   |
| Aroclor-1016-4             | (4) | 22207756                    | 23688287   | 24482426                   | 25758704   | 24288360   | 24085107   |
| Aroclor-1016-5             | (5) | 28303958                    | 30184395   | 30998408                   | 32062244   | 30500300   | 30409861   |
| Aroclor-1260-1             | (1) | 51490839                    | 53867885   | 56846930                   | 62693500   | 59910740   | 56961979   |
| Aroclor-1260-2             | (2) | 60685581                    | 63183867   | 66653346                   | 73175968   | 69823160   | 66704384   |
| Aroclor-1260-3             | (3) | 58195863                    | 60818087   | 64471984                   | 69084640   | 65935040   | 63701123   |
| Aroclor-1260-4             | (4) | 51141777                    | 52463477   | 55669740                   | 60213672   | 56975040   | 55292741   |
| Aroclor-1260-5             | (5) | 115751172                   | 117431688  | 122205526                  | 128041940  | 128062520  | 122298569  |
| Decachlorobiphenyl         |     | 1016699470                  | 1064912133 | 1114817860                 | 1215156720 | 1195705800 | 1121458397 |
| Tetrachloro-m-xylene       |     | 976302160                   | 1002778080 | 1038188640                 | 1086259240 | 948485600  | 1010402744 |
| Aroclor-1242-1             | (1) | 26643227                    | 27902807   | 30082486                   | 31864192   | 28889440   | 29076430   |
| Aroclor-1242-2             | (2) | 37173910                    | 38324184   | 40855302                   | 43058560   | 41326680   | 40147727   |
| Aroclor-1242-3             | (3) | 21209836                    | 21846417   | 23389330                   | 23608008   | 22421520   | 22495022   |
| Aroclor-1242-4             | (4) | 21894421                    | 22781385   | 24633780                   | 25302636   | 24076280   | 23737700   |
| Aroclor-1242-5             | (5) | 25904963                    | 27452171   | 28860038                   | 30792124   | 30238540   | 28649567   |
| Decachlorobiphenyl         |     | 1030873660                  | 1074484253 | 1144199140                 | 1227463640 | 1208383800 | 1137080899 |
| Tetrachloro-m-xylene       |     | 979317100                   | 1008877893 | 1048426020                 | 1079705600 | 995407400  | 1022346803 |
| Aroclor-1248-1             | (1) | 20323070                    | 21892911   | 22863994                   | 24075660   | 24163260   | 22663779   |
| Aroclor-1248-2             | (2) | 29599820                    | 31598663   | 33173378                   | 36121664   | 34985540   | 33095813   |
| Aroclor-1248-3             | (3) | 31098926                    | 33116664   | 34686272                   | 37576628   | 35894680   | 34474634   |
| Aroclor-1248-4             | (4) | 36529837                    | 38774123   | 40329020                   | 44225180   | 44921420   | 40955916   |
| Aroclor-1248-5             | (5) | 34201195                    | 35911461   | 37616042                   | 40473884   | 39013140   | 37443144   |
| Decachlorobiphenyl         |     | 1032353410                  | 1073137907 | 1131465640                 | 1215505400 | 1241215600 | 1138735591 |
| Tetrachloro-m-xylene       |     | 952656120                   | 994994613  | 1000591240                 | 1068188360 | 991037600  | 1001493587 |
| Aroclor-1254-1             | (1) | 53478224                    | 54895953   | 58959138                   | 64085456   | 64000720   | 59083898   |
| Aroclor-1254-2             | (2) | 47135286                    | 48672312   | 52146652                   | 56922440   | 57444240   | 52464186   |
| Aroclor-1254-3             | (3) | 76675976                    | 78569371   | 83205416                   | 89086976   | 88502520   | 83208052   |
| Aroclor-1254-4             | (4) | 44235570                    | 45939643   | 48363680                   | 51938700   | 50893660   | 48274251   |
| Aroclor-1254-5             | (5) | 68142947                    | 70671431   | 73760414                   | 78813244   | 76368180   | 73551243   |
| Decachlorobiphenyl         |     | 1041164600                  | 1082182560 | 1142537200                 | 1244245720 | 1270180600 | 1156062136 |
| Tetrachloro-m-xylene       |     | 969890570                   | 991360533  | 1038975520                 | 1064707400 | 994465600  | 1011879925 |
| Aroclor-1268-1             | (1) | 146986557                   | 151844596  | 158019168                  | 168079912  | 170778780  | 159141803  |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1268-2       | (2) | 133073925  | 137248829  | 142523422  | 151222024  | 151862520  | 143186144  | 6 |
| Aroclor-1268-3       | (3) | 117364027  | 121504320  | 126517254  | 135757020  | 136405580  | 127509640  | 7 |
| Aroclor-1268-4       | (4) | 51956547   | 53952379   | 54797154   | 61002600   | 60671520   | 56476040   | 7 |
| Aroclor-1268-5       | (5) | 359344903  | 364434196  | 374618632  | 391618688  | 400161860  | 378035656  | 5 |
| Decachlorobiphenyl   |     | 1755186720 | 1802467867 | 1889666160 | 2047579480 | 2153015200 | 1929583085 | 9 |
| Tetrachloro-m-xylene |     | 970169850  | 991215560  | 1007059780 | 1064676080 | 979052800  | 1002434814 | 4 |

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Instrument ID: ECD\_P Date(s) Analyzed: 10/08/2024 10/08/2024

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 4.96 | 4.86      | 5.06 | 12809900              |
|              |                | 2    | 5.04 | 4.94      | 5.14 | 9460580               |
|              |                | 3    | 5.12 | 5.02      | 5.22 | 28907800              |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 5.12 | 5.02      | 5.22 | 22859800              |
|              |                | 2    | 5.65 | 5.55      | 5.75 | 11783000              |
|              |                | 3    | 5.94 | 5.84      | 6.04 | 22275000              |
|              |                | 4    | 6.10 | 6.00      | 6.20 | 11287400              |
|              |                | 5    | 6.19 | 6.09      | 6.29 | 9120180               |
| Aroclor-1262 | 500            | 1    | 8.37 | 8.27      | 8.47 | 71771400              |
|              |                | 2    | 8.71 | 8.61      | 8.81 | 121580000             |
|              |                | 3    | 9.05 | 8.95      | 9.15 | 88514200              |
|              |                | 4    | 9.14 | 9.04      | 9.24 | 69944800              |
|              |                | 5    | 9.84 | 9.74      | 9.94 | 46791200              |

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Instrument ID: ECD\_P Date(s) Analyzed: 10/08/2024 10/08/2024

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 4.27 | 4.17      | 4.37 | 13170200              |
|              |                | 2    | 4.36 | 4.26      | 4.46 | 9961240               |
|              |                | 3    | 4.43 | 4.33      | 4.53 | 31131200              |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 4.43 | 4.33      | 4.53 | 24333000              |
|              |                | 2    | 5.18 | 5.08      | 5.28 | 22365000              |
|              |                | 3    | 5.36 | 5.26      | 5.46 | 11943800              |
|              |                | 4    | 5.45 | 5.35      | 5.55 | 11531400              |
|              |                | 5    | 5.62 | 5.52      | 5.72 | 13450300              |
| Aroclor-1262 | 500            | 1    | 7.22 | 7.12      | 7.32 | 78673400              |
|              |                | 2    | 7.48 | 7.38      | 7.58 | 70962000              |
|              |                | 3    | 8.01 | 7.91      | 8.11 | 57099400              |
|              |                | 4    | 8.07 | 7.97      | 8.17 | 100436000             |
|              |                | 5    | 8.60 | 8.50      | 8.70 | 50017800              |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 11:13 Initial Calibration Time(s): 16:30 23:46

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|-------|------------|
|                      |     |            |           | FROM      | TO    |            |
| Aroclor-1016-1       | (1) | 5.93       | 5.92      | 5.82      | 6.02  | -0.01      |
| Aroclor-1016-2       | (2) | 5.95       | 5.94      | 5.84      | 6.04  | -0.01      |
| Aroclor-1016-3       | (3) | 6.01       | 6.01      | 5.91      | 6.11  | 0.00       |
| Aroclor-1016-4       | (4) | 6.11       | 6.10      | 6.00      | 6.20  | -0.01      |
| Aroclor-1016-5       | (5) | 6.41       | 6.40      | 6.30      | 6.50  | -0.01      |
| Aroclor-1260-1       | (1) | 7.53       | 7.52      | 7.42      | 7.62  | -0.01      |
| Aroclor-1260-2       | (2) | 7.78       | 7.78      | 7.68      | 7.88  | 0.00       |
| Aroclor-1260-3       | (3) | 8.14       | 8.14      | 8.04      | 8.24  | 0.00       |
| Aroclor-1260-4       | (4) | 8.38       | 8.38      | 8.28      | 8.48  | 0.00       |
| Aroclor-1260-5       | (5) | 8.72       | 8.71      | 8.61      | 8.81  | -0.01      |
| Tetrachloro-m-xylene |     | 4.76       | 4.76      | 4.66      | 4.86  | 0.00       |
| Decachlorobiphenyl   |     | 10.68      | 10.67     | 10.57     | 10.77 | -0.01      |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 11:13 Initial Calibration Time(s): 16:30 23:46

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 5.16       | 5.16      | 5.06      | 5.26 | 0.00       |
| Aroclor-1016-2       | (2) | 5.18       | 5.18      | 5.08      | 5.28 | 0.00       |
| Aroclor-1016-3       | (3) | 5.36       | 5.36      | 5.26      | 5.46 | 0.00       |
| Aroclor-1016-4       | (4) | 5.40       | 5.40      | 5.30      | 5.50 | 0.00       |
| Aroclor-1016-5       | (5) | 5.62       | 5.62      | 5.52      | 5.72 | 0.00       |
| Aroclor-1260-1       | (1) | 6.66       | 6.66      | 6.56      | 6.76 | 0.00       |
| Aroclor-1260-2       | (2) | 6.85       | 6.85      | 6.75      | 6.95 | 0.00       |
| Aroclor-1260-3       | (3) | 7.01       | 7.01      | 6.91      | 7.11 | 0.00       |
| Aroclor-1260-4       | (4) | 7.48       | 7.48      | 7.38      | 7.58 | 0.00       |
| Aroclor-1260-5       | (5) | 7.72       | 7.72      | 7.62      | 7.82 | 0.00       |
| Tetrachloro-m-xylene |     | 4.05       | 4.05      | 3.95      | 4.15 | 0.00       |
| Decachlorobiphenyl   |     | 9.21       | 9.22      | 9.12      | 9.32 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL01 Date Analyzed: 10/22/2024

Lab Sample No.: AR1660CCC500 Data File : PP068120.D Time Analyzed: 11:13

| COMPOUND             | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|--------|-----------|--------|--------------------|-------------------|-------|
|                      |        | FROM      | TO     |                    |                   |       |
| Aroclor-1016-1       | 5.926  | 5.819     | 6.019  | 454.860            | 500.000           | -9.0  |
| Aroclor-1016-2       | 5.948  | 5.842     | 6.042  | 450.150            | 500.000           | -10.0 |
| Aroclor-1016-3       | 6.012  | 5.905     | 6.105  | 424.040            | 500.000           | -15.2 |
| Aroclor-1016-4       | 6.110  | 6.003     | 6.203  | 433.190            | 500.000           | -13.4 |
| Aroclor-1016-5       | 6.405  | 6.298     | 6.498  | 423.950            | 500.000           | -15.2 |
| Aroclor-1260-1       | 7.527  | 7.422     | 7.622  | 431.540            | 500.000           | -13.7 |
| Aroclor-1260-2       | 7.780  | 7.675     | 7.875  | 408.050            | 500.000           | -18.4 |
| Aroclor-1260-3       | 8.143  | 8.037     | 8.237  | 405.150            | 500.000           | -19.0 |
| Aroclor-1260-4       | 8.378  | 8.275     | 8.475  | 487.540            | 500.000           | -2.5  |
| Aroclor-1260-5       | 8.718  | 8.612     | 8.812  | 445.850            | 500.000           | -10.8 |
| Decachlorobiphenyl   | 10.678 | 10.569    | 10.769 | 43.800             | 50.000            | -12.4 |
| Tetrachloro-m-xylene | 4.762  | 4.655     | 4.855  | 53.280             | 50.000            | 6.6   |



### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL01 Date Analyzed: 10/22/2024

Lab Sample No.: AR1660CCC500 Data File : PP068120.D Time Analyzed: 11:13

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Aroclor-1016-1       | 5.159 | 5.061     | 5.261 | 449.800            | 500.000           | -10.0 |
| Aroclor-1016-2       | 5.179 | 5.081     | 5.281 | 481.970            | 500.000           | -3.6  |
| Aroclor-1016-3       | 5.359 | 5.262     | 5.462 | 482.710            | 500.000           | -3.5  |
| Aroclor-1016-4       | 5.399 | 5.301     | 5.501 | 444.810            | 500.000           | -11.0 |
| Aroclor-1016-5       | 5.618 | 5.520     | 5.720 | 460.900            | 500.000           | -7.8  |
| Aroclor-1260-1       | 6.662 | 6.564     | 6.764 | 464.140            | 500.000           | -7.2  |
| Aroclor-1260-2       | 6.848 | 6.750     | 6.950 | 451.900            | 500.000           | -9.6  |
| Aroclor-1260-3       | 7.006 | 6.908     | 7.108 | 465.400            | 500.000           | -6.9  |
| Aroclor-1260-4       | 7.480 | 7.383     | 7.583 | 460.440            | 500.000           | -7.9  |
| Aroclor-1260-5       | 7.719 | 7.622     | 7.822 | 479.760            | 500.000           | -4.0  |
| Decachlorobiphenyl   | 9.212 | 9.119     | 9.319 | 45.900             | 50.000            | -8.2  |
| Tetrachloro-m-xylene | 4.051 | 3.952     | 4.152 | 51.090             | 50.000            | 2.2   |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 17:19 Initial Calibration Time(s): 16:30 23:46

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|-------|------------|
|                      |     |            |           | FROM      | TO    |            |
| Aroclor-1016-1       | (1) | 5.92       | 5.92      | 5.82      | 6.02  | 0.00       |
| Aroclor-1016-2       | (2) | 5.94       | 5.94      | 5.84      | 6.04  | 0.00       |
| Aroclor-1016-3       | (3) | 6.01       | 6.01      | 5.91      | 6.11  | 0.00       |
| Aroclor-1016-4       | (4) | 6.11       | 6.10      | 6.00      | 6.20  | -0.01      |
| Aroclor-1016-5       | (5) | 6.40       | 6.40      | 6.30      | 6.50  | 0.00       |
| Aroclor-1260-1       | (1) | 7.52       | 7.52      | 7.42      | 7.62  | 0.00       |
| Aroclor-1260-2       | (2) | 7.78       | 7.78      | 7.68      | 7.88  | 0.00       |
| Aroclor-1260-3       | (3) | 8.14       | 8.14      | 8.04      | 8.24  | 0.00       |
| Aroclor-1260-4       | (4) | 8.37       | 8.38      | 8.28      | 8.48  | 0.01       |
| Aroclor-1260-5       | (5) | 8.71       | 8.71      | 8.61      | 8.81  | 0.00       |
| Tetrachloro-m-xylene |     | 4.76       | 4.76      | 4.66      | 4.86  | 0.00       |
| Decachlorobiphenyl   |     | 10.67      | 10.67     | 10.57     | 10.77 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 17:19 Initial Calibration Time(s): 16:30 23:46

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 5.16       | 5.16      | 5.06      | 5.26 | 0.00       |
| Aroclor-1016-2       | (2) | 5.18       | 5.18      | 5.08      | 5.28 | 0.00       |
| Aroclor-1016-3       | (3) | 5.36       | 5.36      | 5.26      | 5.46 | 0.00       |
| Aroclor-1016-4       | (4) | 5.40       | 5.40      | 5.30      | 5.50 | 0.00       |
| Aroclor-1016-5       | (5) | 5.62       | 5.62      | 5.52      | 5.72 | 0.00       |
| Aroclor-1260-1       | (1) | 6.66       | 6.66      | 6.56      | 6.76 | 0.00       |
| Aroclor-1260-2       | (2) | 6.85       | 6.85      | 6.75      | 6.95 | 0.00       |
| Aroclor-1260-3       | (3) | 7.00       | 7.01      | 6.91      | 7.11 | 0.01       |
| Aroclor-1260-4       | (4) | 7.48       | 7.48      | 7.38      | 7.58 | 0.00       |
| Aroclor-1260-5       | (5) | 7.72       | 7.72      | 7.62      | 7.82 | 0.00       |
| Tetrachloro-m-xylene |     | 4.05       | 4.05      | 3.95      | 4.15 | 0.00       |
| Decachlorobiphenyl   |     | 9.21       | 9.22      | 9.12      | 9.32 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL02 Date Analyzed: 10/22/2024

Lab Sample No.: AR1660CCC500 Data File : PP068135.D Time Analyzed: 17:19

| COMPOUND             | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|--------|-----------|--------|--------------------|-------------------|-------|
|                      |        | FROM      | TO     |                    |                   |       |
| Aroclor-1016-1       | 5.921  | 5.819     | 6.019  | 476.530            | 500.000           | -4.7  |
| Aroclor-1016-2       | 5.943  | 5.842     | 6.042  | 476.580            | 500.000           | -4.7  |
| Aroclor-1016-3       | 6.007  | 5.905     | 6.105  | 445.380            | 500.000           | -10.9 |
| Aroclor-1016-4       | 6.105  | 6.003     | 6.203  | 435.360            | 500.000           | -12.9 |
| Aroclor-1016-5       | 6.399  | 6.298     | 6.498  | 426.520            | 500.000           | -14.7 |
| Aroclor-1260-1       | 7.522  | 7.422     | 7.622  | 469.860            | 500.000           | -6.0  |
| Aroclor-1260-2       | 7.775  | 7.675     | 7.875  | 457.190            | 500.000           | -8.6  |
| Aroclor-1260-3       | 8.136  | 8.037     | 8.237  | 431.890            | 500.000           | -13.6 |
| Aroclor-1260-4       | 8.374  | 8.275     | 8.475  | 443.470            | 500.000           | -11.3 |
| Aroclor-1260-5       | 8.711  | 8.612     | 8.812  | 453.220            | 500.000           | -9.4  |
| Decachlorobiphenyl   | 10.666 | 10.569    | 10.769 | 46.360             | 50.000            | -7.3  |
| Tetrachloro-m-xylene | 4.757  | 4.655     | 4.855  | 52.520             | 50.000            | 5.0   |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL02 Date Analyzed: 10/22/2024

Lab Sample No.: AR1660CCC500 Data File : PP068135.D Time Analyzed: 17:19

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Aroclor-1016-1       | 5.157 | 5.061     | 5.261 | 469.700            | 500.000           | -6.1  |
| Aroclor-1016-2       | 5.177 | 5.081     | 5.281 | 484.650            | 500.000           | -3.1  |
| Aroclor-1016-3       | 5.358 | 5.262     | 5.462 | 473.010            | 500.000           | -5.4  |
| Aroclor-1016-4       | 5.397 | 5.301     | 5.501 | 446.500            | 500.000           | -10.7 |
| Aroclor-1016-5       | 5.616 | 5.520     | 5.720 | 503.430            | 500.000           | 0.7   |
| Aroclor-1260-1       | 6.659 | 6.564     | 6.764 | 461.890            | 500.000           | -7.6  |
| Aroclor-1260-2       | 6.846 | 6.750     | 6.950 | 453.780            | 500.000           | -9.2  |
| Aroclor-1260-3       | 7.003 | 6.908     | 7.108 | 460.980            | 500.000           | -7.8  |
| Aroclor-1260-4       | 7.477 | 7.383     | 7.583 | 461.370            | 500.000           | -7.7  |
| Aroclor-1260-5       | 7.715 | 7.622     | 7.822 | 476.330            | 500.000           | -4.7  |
| Decachlorobiphenyl   | 9.208 | 9.119     | 9.319 | 46.250             | 50.000            | -7.5  |
| Tetrachloro-m-xylene | 4.050 | 3.952     | 4.152 | 49.980             | 50.000            | 0.0   |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 20:43 Initial Calibration Time(s): 16:30 23:46

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW<br>FROM   TO |       | DIFF<br>RT |
|----------------------|-----|------------|-----------|------------------------|-------|------------|
| Aroclor-1016-1       | (1) | 5.92       | 5.92      | 5.82                   | 6.02  | 0.00       |
| Aroclor-1016-2       | (2) | 5.94       | 5.94      | 5.84                   | 6.04  | 0.00       |
| Aroclor-1016-3       | (3) | 6.01       | 6.01      | 5.91                   | 6.11  | 0.00       |
| Aroclor-1016-4       | (4) | 6.11       | 6.10      | 6.00                   | 6.20  | -0.01      |
| Aroclor-1016-5       | (5) | 6.40       | 6.40      | 6.30                   | 6.50  | 0.00       |
| Aroclor-1260-1       | (1) | 7.52       | 7.52      | 7.42                   | 7.62  | 0.00       |
| Aroclor-1260-2       | (2) | 7.78       | 7.78      | 7.68                   | 7.88  | 0.00       |
| Aroclor-1260-3       | (3) | 8.14       | 8.14      | 8.04                   | 8.24  | 0.00       |
| Aroclor-1260-4       | (4) | 8.37       | 8.38      | 8.28                   | 8.48  | 0.01       |
| Aroclor-1260-5       | (5) | 8.71       | 8.71      | 8.61                   | 8.81  | 0.00       |
| Tetrachloro-m-xylene |     | 4.76       | 4.76      | 4.66                   | 4.86  | 0.00       |
| Decachlorobiphenyl   |     | 10.67      | 10.67     | 10.57                  | 10.77 | 0.01       |

# CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

Continuing Calib Date: 10/22/2024 Initial Calibration Date(s): 10/08/2024 10/08/2024

Continuing Calib Time: 20:43 Initial Calibration Time(s): 16:30 23:46

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 5.16       | 5.16      | 5.06      | 5.26 | 0.00       |
| Aroclor-1016-2       | (2) | 5.18       | 5.18      | 5.08      | 5.28 | 0.00       |
| Aroclor-1016-3       | (3) | 5.36       | 5.36      | 5.26      | 5.46 | 0.00       |
| Aroclor-1016-4       | (4) | 5.40       | 5.40      | 5.30      | 5.50 | 0.00       |
| Aroclor-1016-5       | (5) | 5.62       | 5.62      | 5.52      | 5.72 | 0.00       |
| Aroclor-1260-1       | (1) | 6.66       | 6.66      | 6.56      | 6.76 | 0.00       |
| Aroclor-1260-2       | (2) | 6.85       | 6.85      | 6.75      | 6.95 | 0.01       |
| Aroclor-1260-3       | (3) | 7.00       | 7.01      | 6.91      | 7.11 | 0.01       |
| Aroclor-1260-4       | (4) | 7.48       | 7.48      | 7.38      | 7.58 | 0.00       |
| Aroclor-1260-5       | (5) | 7.72       | 7.72      | 7.62      | 7.82 | 0.00       |
| Tetrachloro-m-xylene |     | 4.05       | 4.05      | 3.95      | 4.15 | 0.00       |
| Decachlorobiphenyl   |     | 9.21       | 9.22      | 9.12      | 9.32 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG NO.: P4474

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/08/2024 10/08/2024

Client Sample No.: CCAL03 Date Analyzed: 10/22/2024

Lab Sample No.: AR1660CCC500 Data File : PP068145.D Time Analyzed: 20:43

| COMPOUND             | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|--------|-----------|--------|--------------------|-------------------|------|
|                      |        | FROM      | TO     |                    |                   |      |
| Aroclor-1016-1       | 5.921  | 5.819     | 6.019  | 521.080            | 500.000           | 4.2  |
| Aroclor-1016-2       | 5.943  | 5.842     | 6.042  | 525.740            | 500.000           | 5.1  |
| Aroclor-1016-3       | 6.007  | 5.905     | 6.105  | 525.970            | 500.000           | 5.2  |
| Aroclor-1016-4       | 6.105  | 6.003     | 6.203  | 516.400            | 500.000           | 3.3  |
| Aroclor-1016-5       | 6.399  | 6.298     | 6.498  | 489.130            | 500.000           | -2.2 |
| Aroclor-1260-1       | 7.522  | 7.422     | 7.622  | 483.700            | 500.000           | -3.3 |
| Aroclor-1260-2       | 7.775  | 7.675     | 7.875  | 478.850            | 500.000           | -4.2 |
| Aroclor-1260-3       | 8.137  | 8.037     | 8.237  | 484.590            | 500.000           | -3.1 |
| Aroclor-1260-4       | 8.374  | 8.275     | 8.475  | 477.400            | 500.000           | -4.5 |
| Aroclor-1260-5       | 8.711  | 8.612     | 8.812  | 478.470            | 500.000           | -4.3 |
| Decachlorobiphenyl   | 10.665 | 10.569    | 10.769 | 50.750             | 50.000            | 1.5  |
| Tetrachloro-m-xylene | 4.757  | 4.655     | 4.855  | 53.520             | 50.000            | 7.0  |



### CALIBRATION VERIFICATION SUMMARY

**Contract:** YANN01  
**Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474 **SDG NO.:** P4474  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024  
**Client Sample No.:** CCAL03 **Date Analyzed:** 10/22/2024  
**Lab Sample No.:** AR1660CCC500 **Data File :** PP068145.D **Time Analyzed:** 20:43

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Aroclor-1016-1       | 5.157 | 5.061     | 5.261 | 472.880            | 500.000           | -5.4 |
| Aroclor-1016-2       | 5.177 | 5.081     | 5.281 | 479.700            | 500.000           | -4.1 |
| Aroclor-1016-3       | 5.358 | 5.262     | 5.462 | 484.480            | 500.000           | -3.1 |
| Aroclor-1016-4       | 5.397 | 5.301     | 5.501 | 478.080            | 500.000           | -4.4 |
| Aroclor-1016-5       | 5.616 | 5.520     | 5.720 | 525.350            | 500.000           | 5.1  |
| Aroclor-1260-1       | 6.659 | 6.564     | 6.764 | 470.850            | 500.000           | -5.8 |
| Aroclor-1260-2       | 6.845 | 6.750     | 6.950 | 468.080            | 500.000           | -6.4 |
| Aroclor-1260-3       | 7.003 | 6.908     | 7.108 | 466.000            | 500.000           | -6.8 |
| Aroclor-1260-4       | 7.477 | 7.383     | 7.583 | 462.290            | 500.000           | -7.5 |
| Aroclor-1260-5       | 7.716 | 7.622     | 7.822 | 465.380            | 500.000           | -6.9 |
| Decachlorobiphenyl   | 9.207 | 9.119     | 9.319 | 47.030             | 50.000            | -5.9 |
| Tetrachloro-m-xylene | 4.050 | 3.952     | 4.152 | 49.440             | 50.000            | -1.1 |

## Analytical Sequence

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Project:** 86 Davidson Road, Piscataway, NJ

**Instrument ID:** ECD\_P

**GC Column:** ZB-MR1

**ID:** 0.32 (mm)

**Inst. Calib. Date(s):** 10/08/2024

10/08/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 10/08/2024       | 16:14            | PP067586.D | 10.67       | 4.75        |
| AR1660ICC1000     | AR1660ICC1000    | 10/08/2024       | 16:30            | PP067587.D | 10.67       | 4.75        |
| AR1660ICC750      | AR1660ICC750     | 10/08/2024       | 16:46            | PP067588.D | 10.67       | 4.75        |
| AR1660ICC500      | AR1660ICC500     | 10/08/2024       | 17:02            | PP067589.D | 10.67       | 4.76        |
| AR1660ICC250      | AR1660ICC250     | 10/08/2024       | 17:19            | PP067590.D | 10.67       | 4.75        |
| AR1660ICC050      | AR1660ICC050     | 10/08/2024       | 17:35            | PP067591.D | 10.67       | 4.76        |
| AR1221ICC500      | AR1221ICC500     | 10/08/2024       | 17:51            | PP067592.D | 10.67       | 4.75        |
| AR1232ICC500      | AR1232ICC500     | 10/08/2024       | 18:07            | PP067593.D | 10.67       | 4.75        |
| AR1242ICC1000     | AR1242ICC1000    | 10/08/2024       | 18:23            | PP067594.D | 10.67       | 4.76        |
| AR1242ICC750      | AR1242ICC750     | 10/08/2024       | 18:39            | PP067595.D | 10.67       | 4.76        |
| AR1242ICC500      | AR1242ICC500     | 10/08/2024       | 18:55            | PP067596.D | 10.67       | 4.75        |
| AR1242ICC250      | AR1242ICC250     | 10/08/2024       | 19:12            | PP067597.D | 10.67       | 4.76        |
| AR1242ICC050      | AR1242ICC050     | 10/08/2024       | 19:28            | PP067598.D | 10.67       | 4.75        |
| AR1248ICC1000     | AR1248ICC1000    | 10/08/2024       | 19:44            | PP067599.D | 10.67       | 4.75        |
| AR1248ICC750      | AR1248ICC750     | 10/08/2024       | 20:00            | PP067600.D | 10.67       | 4.75        |
| AR1248ICC500      | AR1248ICC500     | 10/08/2024       | 20:16            | PP067601.D | 10.67       | 4.75        |
| AR1248ICC250      | AR1248ICC250     | 10/08/2024       | 20:32            | PP067602.D | 10.67       | 4.75        |
| AR1248ICC050      | AR1248ICC050     | 10/08/2024       | 20:49            | PP067603.D | 10.66       | 4.75        |
| AR1254ICC1000     | AR1254ICC1000    | 10/08/2024       | 21:05            | PP067604.D | 10.67       | 4.76        |
| AR1254ICC750      | AR1254ICC750     | 10/08/2024       | 21:21            | PP067605.D | 10.67       | 4.75        |
| AR1254ICC500      | AR1254ICC500     | 10/08/2024       | 21:37            | PP067606.D | 10.67       | 4.75        |
| AR1254ICC250      | AR1254ICC250     | 10/08/2024       | 21:53            | PP067607.D | 10.67       | 4.75        |
| AR1254ICC050      | AR1254ICC050     | 10/08/2024       | 22:09            | PP067608.D | 10.66       | 4.75        |
| AR1262ICC500      | AR1262ICC500     | 10/08/2024       | 22:25            | PP067609.D | 10.66       | 4.75        |
| AR1268ICC1000     | AR1268ICC1000    | 10/08/2024       | 22:42            | PP067610.D | 10.67       | 4.76        |
| AR1268ICC750      | AR1268ICC750     | 10/08/2024       | 22:58            | PP067611.D | 10.67       | 4.75        |
| AR1268ICC500      | AR1268ICC500     | 10/08/2024       | 23:14            | PP067612.D | 10.67       | 4.75        |
| AR1268ICC250      | AR1268ICC250     | 10/08/2024       | 23:30            | PP067613.D | 10.67       | 4.75        |
| AR1268ICC050      | AR1268ICC050     | 10/08/2024       | 23:46            | PP067614.D | 10.67       | 4.75        |
| AR1660CCC500      | AR1660CCC500     | 10/22/2024       | 11:13            | PP068120.D | 10.68       | 4.76        |
| IBLK              | IBLK             | 10/22/2024       | 12:18            | PP068124.D | 10.67       | 4.76        |
| PB164310BL        | PB164310BL       | 10/22/2024       | 13:55            | PP068125.D | 10.67       | 4.76        |
| PB164310BS        | PB164310BS       | 10/22/2024       | 14:11            | PP068126.D | 10.66       | 4.75        |
| AR1660CCC500      | AR1660CCC500     | 10/22/2024       | 17:19            | PP068135.D | 10.67       | 4.76        |
| IBLK              | IBLK             | 10/22/2024       | 18:23            | PP068139.D | 10.67       | 4.76        |
| BP-F-6MS          | P4472-05MS       | 10/22/2024       | 18:55            | PP068141.D | 10.67       | 4.76        |
| BP-F-6MSD         | P4472-05MSD      | 10/22/2024       | 19:12            | PP068142.D | 10.67       | 4.76        |
| TS-2              | P4474-01         | 10/22/2024       | 19:44            | PP068144.D | 10.67       | 4.76        |
| AR1660CCC500      | AR1660CCC500     | 10/22/2024       | 20:43            | PP068145.D | 10.67       | 4.76        |
| IBLK              | IBLK             | 10/22/2024       | 21:47            | PP068149.D | 10.67       | 4.76        |

## Analytical Sequence

|                                           |                                                                 |
|-------------------------------------------|-----------------------------------------------------------------|
| Client: Yannuzzi Group, Inc.              | SDG No.: P4474                                                  |
| Project: 86 Davidson Road, Piscataway, NJ | Instrument ID: ECD_P                                            |
| GC Column: ZB-MR2                         | ID: 0.32 (mm)    Inst. Calib. Date(s): 10/08/2024    10/08/2024 |

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 10/08/2024       | 16:14            | PP067586.D | 9.22        | 4.05        |
| AR1660ICC1000     | AR1660ICC1000    | 10/08/2024       | 16:30            | PP067587.D | 9.22        | 4.05        |
| AR1660ICC750      | AR1660ICC750     | 10/08/2024       | 16:46            | PP067588.D | 9.22        | 4.05        |
| AR1660ICC500      | AR1660ICC500     | 10/08/2024       | 17:02            | PP067589.D | 9.22        | 4.05        |
| AR1660ICC250      | AR1660ICC250     | 10/08/2024       | 17:19            | PP067590.D | 9.22        | 4.05        |
| AR1660ICC050      | AR1660ICC050     | 10/08/2024       | 17:35            | PP067591.D | 9.22        | 4.05        |
| AR1221ICC500      | AR1221ICC500     | 10/08/2024       | 17:51            | PP067592.D | 9.22        | 4.05        |
| AR1232ICC500      | AR1232ICC500     | 10/08/2024       | 18:07            | PP067593.D | 9.22        | 4.05        |
| AR1242ICC1000     | AR1242ICC1000    | 10/08/2024       | 18:23            | PP067594.D | 9.22        | 4.05        |
| AR1242ICC750      | AR1242ICC750     | 10/08/2024       | 18:39            | PP067595.D | 9.22        | 4.05        |
| AR1242ICC500      | AR1242ICC500     | 10/08/2024       | 18:55            | PP067596.D | 9.22        | 4.05        |
| AR1242ICC250      | AR1242ICC250     | 10/08/2024       | 19:12            | PP067597.D | 9.22        | 4.05        |
| AR1242ICC050      | AR1242ICC050     | 10/08/2024       | 19:28            | PP067598.D | 9.22        | 4.05        |
| AR1248ICC1000     | AR1248ICC1000    | 10/08/2024       | 19:44            | PP067599.D | 9.22        | 4.05        |
| AR1248ICC750      | AR1248ICC750     | 10/08/2024       | 20:00            | PP067600.D | 9.22        | 4.05        |
| AR1248ICC500      | AR1248ICC500     | 10/08/2024       | 20:16            | PP067601.D | 9.22        | 4.05        |
| AR1248ICC250      | AR1248ICC250     | 10/08/2024       | 20:32            | PP067602.D | 9.22        | 4.05        |
| AR1248ICC050      | AR1248ICC050     | 10/08/2024       | 20:49            | PP067603.D | 9.22        | 4.05        |
| AR1254ICC1000     | AR1254ICC1000    | 10/08/2024       | 21:05            | PP067604.D | 9.22        | 4.05        |
| AR1254ICC750      | AR1254ICC750     | 10/08/2024       | 21:21            | PP067605.D | 9.22        | 4.05        |
| AR1254ICC500      | AR1254ICC500     | 10/08/2024       | 21:37            | PP067606.D | 9.22        | 4.05        |
| AR1254ICC250      | AR1254ICC250     | 10/08/2024       | 21:53            | PP067607.D | 9.22        | 4.05        |
| AR1254ICC050      | AR1254ICC050     | 10/08/2024       | 22:09            | PP067608.D | 9.22        | 4.05        |
| AR1262ICC500      | AR1262ICC500     | 10/08/2024       | 22:25            | PP067609.D | 9.22        | 4.05        |
| AR1268ICC1000     | AR1268ICC1000    | 10/08/2024       | 22:42            | PP067610.D | 9.22        | 4.05        |
| AR1268ICC750      | AR1268ICC750     | 10/08/2024       | 22:58            | PP067611.D | 9.22        | 4.05        |
| AR1268ICC500      | AR1268ICC500     | 10/08/2024       | 23:14            | PP067612.D | 9.22        | 4.05        |
| AR1268ICC250      | AR1268ICC250     | 10/08/2024       | 23:30            | PP067613.D | 9.22        | 4.05        |
| AR1268ICC050      | AR1268ICC050     | 10/08/2024       | 23:46            | PP067614.D | 9.22        | 4.05        |
| AR1660CCC500      | AR1660CCC500     | 10/22/2024       | 11:13            | PP068120.D | 9.21        | 4.05        |
| IBLK              | IBLK             | 10/22/2024       | 12:18            | PP068124.D | 9.21        | 4.05        |
| PB164310BL        | PB164310BL       | 10/22/2024       | 13:55            | PP068125.D | 9.21        | 4.05        |
| PB164310BS        | PB164310BS       | 10/22/2024       | 14:11            | PP068126.D | 9.21        | 4.05        |
| AR1660CCC500      | AR1660CCC500     | 10/22/2024       | 17:19            | PP068135.D | 9.21        | 4.05        |
| IBLK              | IBLK             | 10/22/2024       | 18:23            | PP068139.D | 9.21        | 4.05        |
| BP-F-6MS          | P4472-05MS       | 10/22/2024       | 18:55            | PP068141.D | 9.21        | 4.05        |
| BP-F-6MSD         | P4472-05MSD      | 10/22/2024       | 19:12            | PP068142.D | 9.21        | 4.05        |
| TS-2              | P4474-01         | 10/22/2024       | 19:44            | PP068144.D | 9.21        | 4.05        |
| AR1660CCC500      | AR1660CCC500     | 10/22/2024       | 20:43            | PP068145.D | 9.21        | 4.05        |
| IBLK              | IBLK             | 10/22/2024       | 21:47            | PP068149.D | 9.21        | 4.05        |



# QC SAMPLE DATA

## Report of Analysis

|                    |                                  |          |                    |       |           |
|--------------------|----------------------------------|----------|--------------------|-------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    |       |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     |       |           |
| Client Sample ID:  | PB164310BL                       |          | SDG No.:           | P4474 |           |
| Lab Sample ID:     | PB164310BL                       |          | Matrix:            | SOIL  |           |
| Analytical Method: | SW8082A                          |          | % Solid:           | 100   | Decanted: |
| Sample Wt/Vol:     | 30.01                            | Units: g | Final Vol:         | 10000 | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | PCB   |           |
| Extraction Type:   |                                  |          | Injection Volume : |       |           |
| GPC Factor :       | 1.0                              | PH :     |                    |       |           |
| Prep Method :      | SW3541B                          |          |                    |       |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP068125.D        | 1         | 10/22/24 10:10 | 10/22/24 13:55 | PB164310      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 12674-11-2        | Aroclor-1016         | 3.40  | U         | 3.40                | 17.0       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 6.40  | U         | 6.40                | 17.0       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 3.40  | U         | 3.40                | 17.0       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 3.40  | U         | 3.40                | 17.0       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 7.90  | U         | 7.90                | 17.0       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 2.70  | U         | 2.70                | 17.0       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 4.60  | U         | 4.60                | 17.0       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 3.40  | U         | 3.40                | 17.0       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 2.90  | U         | 2.90                | 17.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 20.1  |           | 30 (32) - 150 (144) | 101%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 18.6  |           | 30 (32) - 150 (175) | 93%        | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |          |
|--------------------|----------------------------------|--------------------|----------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/08/24 |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/08/24 |
| Client Sample ID:  | PIBLK-PP067586.D                 | SDG No.:           | P4474    |
| Lab Sample ID:     | I.BLK-PP067586.D                 | Matrix:            | WATER    |
| Analytical Method: | SW8082A                          | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                   | Decanted:          |          |
| Soil Aliquot Vol:  | uL                               | Final Vol:         | 10000 uL |
| Extraction Type:   |                                  | Test:              | PCB      |
| GPC Factor :       | 1.0                              | Injection Volume : |          |
| Prep Method :      | 5030                             |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP067586.D        | 1         |           | 10/08/24      | pp100824      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 12674-11-2        | Aroclor-1016         | 0.15  | U         | 0.15                | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.23  | U         | 0.23                | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.37  | U         | 0.37                | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.16  | U         | 0.16                | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.15  | U         | 0.15                | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14                | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 21.1  |           | 70 (60) - 130 (140) | 105%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 23.5  |           | 70 (60) - 130 (140) | 117%       | SPK: 20 |

### Comments:

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |          |
|--------------------|----------------------------------|--------------------|----------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/22/24 |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/22/24 |
| Client Sample ID:  | PIBLK-PP068124.D                 | SDG No.:           | P4474    |
| Lab Sample ID:     | I.BLK-PP068124.D                 | Matrix:            | WATER    |
| Analytical Method: | SW8082A                          | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                   | Decanted:          |          |
| Soil Aliquot Vol:  | uL                               | Final Vol:         | 10000 uL |
| Extraction Type:   |                                  | Test:              | PCB      |
| GPC Factor :       | 1.0                              | Injection Volume : |          |
| Prep Method :      | 5030                             |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP068124.D        | 1         |           | 10/22/24      | pp102224      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 12674-11-2        | Aroclor-1016         | 0.15  | U         | 0.15                | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.23  | U         | 0.23                | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.37  | U         | 0.37                | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.16  | U         | 0.16                | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.15  | U         | 0.15                | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14                | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 20.3  |           | 70 (60) - 130 (140) | 102%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 18.1  |           | 70 (60) - 130 (140) | 91%        | SPK: 20 |

### Comments:

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |          |
|--------------------|----------------------------------|--------------------|----------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/22/24 |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/22/24 |
| Client Sample ID:  | PIBLK-PP068139.D                 | SDG No.:           | P4474    |
| Lab Sample ID:     | I.BLK-PP068139.D                 | Matrix:            | WATER    |
| Analytical Method: | SW8082A                          | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                   | Final Vol:         | 10000 uL |
| Soil Aliquot Vol:  | uL                               | Test:              | PCB      |
| Extraction Type:   |                                  | Injection Volume : |          |
| GPC Factor :       | 1.0                              | PH :               |          |
| Prep Method :      | 5030                             |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP068139.D        | 1         |           | 10/22/24      | pp102224      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 12674-11-2        | Aroclor-1016         | 0.15  | U         | 0.15                | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.23  | U         | 0.23                | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.37  | U         | 0.37                | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.16  | U         | 0.16                | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.15  | U         | 0.15                | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14                | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 19.2  |           | 70 (60) - 130 (140) | 96%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 19.5  |           | 70 (60) - 130 (140) | 98%        | SPK: 20 |

### Comments:

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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



## Report of Analysis

|                    |                                  |           |                    |          |           |
|--------------------|----------------------------------|-----------|--------------------|----------|-----------|
| Client:            | Yannuzzi Group, Inc.             |           | Date Collected:    | 10/22/24 |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |           | Date Received:     | 10/22/24 |           |
| Client Sample ID:  | PIBLK-PP068149.D                 |           | SDG No.:           | P4474    |           |
| Lab Sample ID:     | I.BLK-PP068149.D                 |           | Matrix:            | WATER    |           |
| Analytical Method: | SW8082A                          |           | % Solid:           | 0        | Decanted: |
| Sample Wt/Vol:     | 1000                             | Units: mL | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                                  | uL        | Test:              | PCB      |           |
| Extraction Type:   |                                  |           | Injection Volume : |          |           |
| GPC Factor :       | 1.0                              | PH :      |                    |          |           |
| Prep Method :      | 5030                             |           |                    |          |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP068149.D        | 1         |           | 10/22/24      | pp102224      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 12674-11-2        | Aroclor-1016         | 0.15  | U         | 0.15                | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.23  | U         | 0.23                | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.37  | U         | 0.37                | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.16  | U         | 0.16                | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.15  | U         | 0.15                | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14                | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 19.0  |           | 70 (60) - 130 (140) | 95%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 20.2  |           | 70 (60) - 130 (140) | 101%       | SPK: 20 |

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## Report of Analysis

|                    |                                  |          |                    |       |           |
|--------------------|----------------------------------|----------|--------------------|-------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    |       |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     |       |           |
| Client Sample ID:  | PB164310BS                       |          | SDG No.:           | P4474 |           |
| Lab Sample ID:     | PB164310BS                       |          | Matrix:            | SOIL  |           |
| Analytical Method: | SW8082A                          |          | % Solid:           | 100   | Decanted: |
| Sample Wt/Vol:     | 30.02                            | Units: g | Final Vol:         | 10000 | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | PCB   |           |
| Extraction Type:   |                                  |          | Injection Volume : |       |           |
| GPC Factor :       | 1.0                              | PH :     |                    |       |           |
| Prep Method :      | SW3541B                          |          |                    |       |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP068126.D        | 1         | 10/22/24 10:10 | 10/22/24 14:11 | PB164310      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 12674-11-2        | Aroclor-1016         | 134   |           | 3.40                | 17.0       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 6.40  | U         | 6.40                | 17.0       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 3.40  | U         | 3.40                | 17.0       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 3.40  | U         | 3.40                | 17.0       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 7.90  | U         | 7.90                | 17.0       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 2.70  | U         | 2.70                | 17.0       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 4.60  | U         | 4.60                | 17.0       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 3.40  | U         | 3.40                | 17.0       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 132   |           | 2.90                | 17.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 20.0  |           | 30 (32) - 150 (144) | 100%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 18.5  |           | 30 (32) - 150 (175) | 93%        | SPK: 20           |

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N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

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() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |          |
|--------------------|----------------------------------|--------------------|----------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/21/24 |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/21/24 |
| Client Sample ID:  | BP-F-6MS                         | SDG No.:           | P4474    |
| Lab Sample ID:     | P4472-05MS                       | Matrix:            | SOIL     |
| Analytical Method: | SW8082A                          | % Solid:           | 91.1     |
| Sample Wt/Vol:     | 30.03 Units: g                   | Final Vol:         | 10000 uL |
| Soil Aliquot Vol:  | uL                               | Test:              | PCB      |
| Extraction Type:   |                                  | Injection Volume : |          |
| GPC Factor :       | 1.0                              | PH :               |          |
| Prep Method :      | SW3541B                          |                    |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP068141.D        | 1         | 10/22/24 10:10 | 10/22/24 18:55 | PB164310      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 12674-11-2        | Aroclor-1016         | 167   |           | 3.70                | 18.6       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 7.00  | U         | 7.00                | 18.6       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 3.70  | U         | 3.70                | 18.6       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 3.70  | U         | 3.70                | 18.6       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 8.70  | U         | 8.70                | 18.6       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 3.00  | U         | 3.00                | 18.6       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 5.00  | U         | 5.00                | 18.6       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 3.80  | U         | 3.80                | 18.6       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 149   |           | 3.20                | 18.6       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 21.0  |           | 30 (32) - 150 (144) | 105%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 20.1  |           | 30 (32) - 150 (175) | 100%       | SPK: 20           |

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\* = Values outside of QC limits

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## Report of Analysis

|                    |                                  |          |                    |          |           |
|--------------------|----------------------------------|----------|--------------------|----------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    | 10/21/24 |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     | 10/21/24 |           |
| Client Sample ID:  | BP-F-6MSD                        |          | SDG No.:           | P4474    |           |
| Lab Sample ID:     | P4472-05MSD                      |          | Matrix:            | SOIL     |           |
| Analytical Method: | SW8082A                          |          | % Solid:           | 91.1     | Decanted: |
| Sample Wt/Vol:     | 30.04                            | Units: g | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | PCB      |           |
| Extraction Type:   |                                  |          | Injection Volume : |          |           |
| GPC Factor :       | 1.0                              | PH :     |                    |          |           |
| Prep Method :      | SW3541B                          |          |                    |          |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP068142.D        | 1         | 10/22/24 10:10 | 10/22/24 19:12 | PB164310      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 12674-11-2        | Aroclor-1016         | 169   |           | 3.70                | 18.6       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 7.00  | U         | 7.00                | 18.6       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 3.70  | U         | 3.70                | 18.6       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 3.70  | U         | 3.70                | 18.6       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 8.60  | U         | 8.60                | 18.6       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 3.00  | U         | 3.00                | 18.6       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 5.00  | U         | 5.00                | 18.6       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 3.80  | U         | 3.80                | 18.6       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 147   |           | 3.20                | 18.6       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 21.3  |           | 30 (32) - 150 (144) | 106%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 20.1  |           | 30 (32) - 150 (175) | 101%       | SPK: 20           |

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\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



LAB CHRONICLE

|          |                      |            |                                  |
|----------|----------------------|------------|----------------------------------|
| OrderID: | P4474                | OrderDate: | 10/21/2024 3:19:00 PM            |
| Client:  | Yannuzzi Group, Inc. | Project:   | 86 Davidson Road, Piscataway, NJ |
| Contact: | Rafael Nunez         | Location:  | K61                              |

| LabID    | ClientID | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|---------------|--------|-------------|-----------|-----------|----------|
| P4474-01 | TS-2     | SOIL   |               |        | 10/18/24    |           |           | 10/21/24 |
|          |          |        | PCB           | 8082A  |             | 10/22/24  | 10/22/24  |          |
|          |          |        | Pesticide-TCL | 8081B  |             | 10/22/24  | 10/23/24  |          |
|          |          |        | TPH GC        | 8015D  |             | 10/22/24  | 10/22/24  |          |



# SAMPLE DATA

## Report of Analysis

|                    |                                  |          |                    |          |           |
|--------------------|----------------------------------|----------|--------------------|----------|-----------|
| Client:            | Yannuzzi Group, Inc.             |          | Date Collected:    | 10/18/24 |           |
| Project:           | 86 Davidson Road, Piscataway, NJ |          | Date Received:     | 10/21/24 |           |
| Client Sample ID:  | TS-2                             |          | SDG No.:           | P4474    |           |
| Lab Sample ID:     | P4474-01                         |          | Matrix:            | SOIL     |           |
| Analytical Method: | 8015D TPH                        |          | % Solid:           | 48.2     | Decanted: |
| Sample Wt/Vol:     | 30.03                            | Units: g | Final Vol:         | 1        | mL        |
| Soil Aliquot Vol:  |                                  | uL       | Test:              | TPH GC   |           |
| Extraction Type:   |                                  |          | Injection Volume : |          |           |
| GPC Factor :       |                                  | PH :     |                    |          |           |
| Prep Method :      | SW3541                           |          |                    |          |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FF014737.D        | 1         | 10/22/24 10:46 | 10/22/24 15:51 | PB164324      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |       |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 81700 |           | 659      | 5870       | ug/kg             |
| <b>SURROGATES</b> |                        |       |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 10.4  |           | 37 - 130 | 52%        | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



# QC SUMMARY



**SOIL TPH GC SURROGATE RECOVERY**

Lab Name: Chemtech Client: Yannuzzi Group, Inc.  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

| EPA<br>SAMPLE NO. | S1<br>TETRACOSANE-d50 | S2 | S3 | S4 | TOT<br>OUT |
|-------------------|-----------------------|----|----|----|------------|
| PIBLK-FF014733.D  | 86                    |    |    |    | 0          |
| PIBLK-FF014738.D  | 84                    |    |    |    | 0          |
| PIBLK-FF014746.D  | 80                    |    |    |    | 0          |
| PIBLK-FF014749.D  | 113                   |    |    |    | 0          |
| PIBLK-FF014753.D  | 82                    |    |    |    | 0          |
| TS-1MS            | 55                    |    |    |    | 0          |
| TS-1MSD           | 54                    |    |    |    | 0          |
| TS-2              | 52                    |    |    |    | 0          |
| PB164324BL        | 73                    |    |    |    | 0          |
| PB164324BS        | 95                    |    |    |    | 0          |

**QC LIMITS**

TETRACOSANE-d50

For Water : 29-130

For Soil : 37-130

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate Diluted Out

**SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Yannuzzi Group, Inc.  
**Lab Code:** CHEM **Cas No:** P4474 **SAS No :** P4474 **SDG No:** P4474  
**Client SampleID :** TS-1MS **Datafile:** FF014742.D

| COMPOUND               | SPIKE<br>ADDED<br>ug/kg | SAMPLE<br>CONCENTRATION<br>ug/kg | MS/MSD<br>CONCENTRATION<br>ug/kg | % REC | Qual | QC LIMITS |
|------------------------|-------------------------|----------------------------------|----------------------------------|-------|------|-----------|
| Petroleum Hydrocarbons | 23155                   | 127000                           | 110197                           | -73%  | *    | 68-131    |

**SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Yannuzzi Group, Inc.  
**Lab Code:** CHEM **Cas No:** P4474 **SAS No :** P4474 **SDG No:** P4474  
**Client SampleID :** TS-1MSD **Datafile:** FF014743.D

| COMPOUND               | SPIKE<br>ADDED<br>ug/kg | SAMPLE<br>CONCENTRATION<br>ug/kg | MS/MSD<br>CONCENTRATION<br>ug/kg | % REC | Qual | QC LIMITS |
|------------------------|-------------------------|----------------------------------|----------------------------------|-------|------|-----------|
| Petroleum Hydrocarbons | 23170                   | 127000                           | 105281                           | -94%  | *    | 68-131    |

**MS/MSD % Recovery RPD : 25.1**

**SOIL TPH GC LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Yannuzzi Group, Inc.  
**Lab Code:** CHEM **Cas No:** P4474 **SAS No :** P4474 **SDG No:** P4474  
**Matrix Spike - EPA Sample No :** PB164324BS **Datafile:** FF014752.D

| COMPOUND               | SPIKE<br>ADDED<br>ug/kg | CONCENTRATION<br>ug/kg | LCS/LCSD<br>CONCENTRATION<br>ug/kg | % REC | QC LIMITS |
|------------------------|-------------------------|------------------------|------------------------------------|-------|-----------|
| Petroleum Hydrocarbons | 11322                   | 0                      | 10556                              | 93    | 68-131    |

4B  
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164324BL

Lab Name: CHEMTECH

Contract: YANN01

Lab Code: CHEM Case No.: P4474

SAS No.: P4474 SDG NO.: P4474

Lab File ID: FF014740.D

Lab Sample ID: PB164324BL

Instrument ID: FF

Date Extracted: 10/22/2024

Matrix: (soil/water) Soil

Date Analyzed: 10/22/24

Level: (low/med) low

Time Analyzed: 17:47

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| TS-2              | P4474-01         | FF014737.D     | 10/22/24         |
| TS-1MS            | P4473-01MS       | FF014742.D     | 10/22/24         |
| TS-1MSD           | P4473-01MSD      | FF014743.D     | 10/22/24         |
| PB164324BS        | PB164324BS       | FF014752.D     | 10/23/24         |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_



# QC SAMPLE DATA

## Report of Analysis

|                    |                                  |                    |        |
|--------------------|----------------------------------|--------------------|--------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    |        |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     |        |
| Client Sample ID:  | PB164324BL                       | SDG No.:           | P4474  |
| Lab Sample ID:     | PB164324BL                       | Matrix:            | SOIL   |
| Analytical Method: | 8015D TPH                        | % Solid:           | 100    |
| Sample Wt/Vol:     | 30.01                            | Units:             | g      |
| Soil Aliquot Vol:  |                                  |                    | uL     |
| Extraction Type:   |                                  | Test:              | TPH GC |
| GPC Factor :       |                                  | Injection Volume : |        |
| Prep Method :      | SW3541                           |                    |        |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FF014740.D        | 1         | 10/22/24 10:46 | 10/22/24 17:47 | PB164324      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |       |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 318   | U         | 318      | 2830       | ug/kg             |
| <b>SURROGATES</b> |                        |       |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 14.6  |           | 37 - 130 | 73%        | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |          |
|--------------------|----------------------------------|--------------------|----------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/22/24 |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/22/24 |
| Client Sample ID:  | PIBLK-FF014733.D                 | SDG No.:           | P4474    |
| Lab Sample ID:     | I.BLK-FF014733.D                 | Matrix:            | Water    |
| Analytical Method: | 8015D TPH                        | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                   | Decanted:          |          |
| Soil Aliquot Vol:  | uL                               | Final Vol:         | 1 mL     |
| Extraction Type:   |                                  | Test:              | TPH GC   |
| GPC Factor :       | PH :                             | Injection Volume : |          |
| Prep Method :      | SW3510                           |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| FF014733.D        | 1         |           | 10/22/24      | FF102224      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                        |       |           |          |            |         |
| PHC               | Petroleum Hydrocarbons | 9.00  | U         | 9.00     | 85.0       | ug/L    |
| <b>SURROGATES</b> |                        |       |           |          |            |         |
| 16416-32-3        | TETRACOSANE-d50        | 17.2  |           | 29 - 130 | 86%        | SPK: 20 |

### Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



## Report of Analysis

|                    |                                  |                    |          |
|--------------------|----------------------------------|--------------------|----------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/22/24 |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/22/24 |
| Client Sample ID:  | PIBLK-FF014738.D                 | SDG No.:           | P4474    |
| Lab Sample ID:     | I.BLK-FF014738.D                 | Matrix:            | Water    |
| Analytical Method: | 8015D TPH                        | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                   | Decanted:          |          |
| Soil Aliquot Vol:  | uL                               | Final Vol:         | 1 mL     |
| Extraction Type:   |                                  | Test:              | TPH GC   |
| GPC Factor :       | PH :                             | Injection Volume : |          |
| Prep Method :      | SW3510                           |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| FF014738.D        | 1         |           | 10/22/24      | FF102224      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                        |       |           |          |            |         |
| PHC               | Petroleum Hydrocarbons | 9.00  | U         | 9.00     | 85.0       | ug/L    |
| <b>SURROGATES</b> |                        |       |           |          |            |         |
| 16416-32-3        | TETRACOSANE-d50        | 16.7  |           | 29 - 130 | 84%        | SPK: 20 |

### Comments:

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MDL = Method Detection Limit

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |          |
|--------------------|----------------------------------|--------------------|----------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/22/24 |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/22/24 |
| Client Sample ID:  | PIBLK-FF014746.D                 | SDG No.:           | P4474    |
| Lab Sample ID:     | I.BLK-FF014746.D                 | Matrix:            | Water    |
| Analytical Method: | 8015D TPH                        | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                   | Decanted:          |          |
| Soil Aliquot Vol:  | uL                               | Final Vol:         | 1 mL     |
| Extraction Type:   |                                  | Test:              | TPH GC   |
| GPC Factor :       | PH :                             | Injection Volume : |          |
| Prep Method :      | SW3510                           |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| FF014746.D        | 1         |           | 10/22/24      | FF102224      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                        |       |           |          |            |         |
| PHC               | Petroleum Hydrocarbons | 9.00  | U         | 9.00     | 85.0       | ug/L    |
| <b>SURROGATES</b> |                        |       |           |          |            |         |
| 16416-32-3        | TETRACOSANE-d50        | 16.0  |           | 29 - 130 | 80%        | SPK: 20 |

### Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |          |
|--------------------|----------------------------------|--------------------|----------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/23/24 |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/23/24 |
| Client Sample ID:  | PIBLK-FF014749.D                 | SDG No.:           | P4474    |
| Lab Sample ID:     | I.BLK-FF014749.D                 | Matrix:            | Water    |
| Analytical Method: | 8015D TPH                        | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                   | Decanted:          |          |
| Soil Aliquot Vol:  | uL                               | Final Vol:         | 1 mL     |
| Extraction Type:   |                                  | Test:              | TPH GC   |
| GPC Factor :       | PH :                             | Injection Volume : |          |
| Prep Method :      | SW3510                           |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| FF014749.D        | 1         |           | 10/23/24      | FF102324      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                        |       |           |          |            |         |
| PHC               | Petroleum Hydrocarbons | 9.00  | U         | 9.00     | 85.0       | ug/L    |
| <b>SURROGATES</b> |                        |       |           |          |            |         |
| 16416-32-3        | TETRACOSANE-d50        | 22.6  |           | 29 - 130 | 113%       | SPK: 20 |

### Comments:

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |          |
|--------------------|----------------------------------|--------------------|----------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/23/24 |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/23/24 |
| Client Sample ID:  | PIBLK-FF014753.D                 | SDG No.:           | P4474    |
| Lab Sample ID:     | I.BLK-FF014753.D                 | Matrix:            | Water    |
| Analytical Method: | 8015D TPH                        | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                   | Decanted:          |          |
| Soil Aliquot Vol:  | uL                               | Final Vol:         | 1 mL     |
| Extraction Type:   |                                  | Test:              | TPH GC   |
| GPC Factor :       | PH :                             | Injection Volume : |          |
| Prep Method :      | SW3510                           |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| FF014753.D        | 1         |           | 10/23/24      | FF102324      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                        |       |           |          |            |         |
| PHC               | Petroleum Hydrocarbons | 9.00  | U         | 9.00     | 85.0       | ug/L    |
| <b>SURROGATES</b> |                        |       |           |          |            |         |
| 16416-32-3        | TETRACOSANE-d50        | 16.3  |           | 29 - 130 | 82%        | SPK: 20 |

### Comments:

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |        |
|--------------------|----------------------------------|--------------------|--------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    |        |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     |        |
| Client Sample ID:  | PB164324BS                       | SDG No.:           | P4474  |
| Lab Sample ID:     | PB164324BS                       | Matrix:            | SOIL   |
| Analytical Method: | 8015D TPH                        | % Solid:           | 100    |
| Sample Wt/Vol:     | 30.03                            | Units:             | g      |
| Soil Aliquot Vol:  |                                  |                    | uL     |
| Extraction Type:   |                                  | Test:              | TPH GC |
| GPC Factor :       |                                  | Injection Volume : |        |
| Prep Method :      | SW3541                           |                    |        |

|                   |           |                |               |               |
|-------------------|-----------|----------------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed | Prep Batch ID |
| FF014752.D        | 1         | 10/22/24 10:46 | 10/23/24 8:42 | PB164324      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |       |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 10600 |           | 318      | 2830       | ug/kg             |
| <b>SURROGATES</b> |                        |       |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 18.9  |           | 37 - 130 | 95%        | SPK: 20           |

### Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |          |
|--------------------|----------------------------------|--------------------|----------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/18/24 |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/21/24 |
| Client Sample ID:  | TS-1MS                           | SDG No.:           | P4474    |
| Lab Sample ID:     | P4473-01MS                       | Matrix:            | SOIL     |
| Analytical Method: | 8015D TPH                        | % Solid:           | 48.8     |
| Sample Wt/Vol:     | 30.09                            | Units:             | g        |
| Soil Aliquot Vol:  |                                  |                    | uL       |
| Extraction Type:   |                                  | Final Vol:         | 1        |
| GPC Factor :       |                                  | PH :               |          |
| Prep Method :      | SW3541                           | Decanted:          |          |
|                    |                                  | Test:              | TPH GC   |
|                    |                                  | Injection Volume : |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FF014742.D        | 1         | 10/22/24 10:46 | 10/22/24 18:45 | PB164324      |

| CAS Number        | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|--------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |        |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 110000 |           | 650      | 5790       | ug/kg             |
| <b>SURROGATES</b> |                        |        |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 11.1   |           | 37 - 130 | 55%        | SPK: 20           |

### Comments:

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                                  |                    |          |
|--------------------|----------------------------------|--------------------|----------|
| Client:            | Yannuzzi Group, Inc.             | Date Collected:    | 10/18/24 |
| Project:           | 86 Davidson Road, Piscataway, NJ | Date Received:     | 10/21/24 |
| Client Sample ID:  | TS-1MSD                          | SDG No.:           | P4474    |
| Lab Sample ID:     | P4473-01MSD                      | Matrix:            | SOIL     |
| Analytical Method: | 8015D TPH                        | % Solid:           | 48.8     |
| Sample Wt/Vol:     | 30.07                            | Units:             | g        |
| Soil Aliquot Vol:  |                                  |                    | uL       |
| Extraction Type:   |                                  | Final Vol:         | 1        |
| GPC Factor :       |                                  | Test:              | TPH GC   |
| Prep Method :      | SW3541                           | Injection Volume : |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FF014743.D        | 1         | 10/22/24 10:46 | 10/22/24 19:14 | PB164324      |

| CAS Number        | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|--------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |        |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 105000 |           | 650      | 5790       | ug/kg             |
| <b>SURROGATES</b> |                        |        |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 10.7   |           | 37 - 130 | 54%        | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



# CALIBRATION SUMMARY



**TPH GC INITIAL CALIBRATION SUMMARY**

Lab Name: Chemtech Contract: YANN01  
 ProjectID: 86 Davidson Road, Piscataway, NJ  
 Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

| Calibration Sequence : FF102124 |            | Test : TPH GC    |                  |
|---------------------------------|------------|------------------|------------------|
| Concentration (PPM)             | Area Count | Reference Factor | File ID          |
| 1700                            | 225766981  | 132804           | FF014706.D       |
| 850                             | 115534550  | 135923           | FF014707.D       |
| 340                             | 48250267   | 141913           | FF014708.D       |
| 170                             | 24049317   | 141467           | FF014709.D       |
| 85                              | 12677985   | 149153           | FF014710.D       |
| AVG RF : 140252                 |            | % RSD : 4.477    | AVG RT : 14.9988 |

**TPH GC CONTINUING CALIBRATION SUMMARY**

**50 PPM TRPH STD**

Lab Name: Chemtech Contract: YANN01  
ProjectID: 86 Davidson Road, Piscataway, NJ  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474  
DataFile: FF014734.D Analyst Name: YP\AJ Analyst Date: 10-22-2024

| Conc. (PPM) | Area Count | RF     | Average RF | %D    |
|-------------|------------|--------|------------|-------|
| 850         | 117829959  | 138623 | 140252     | 1.161 |

**TPH GC CONTINUING CALIBRATION SUMMARY**

**50 PPM TRPH STD**

Lab Name: Chemtech Contract: YANN01  
ProjectID: 86 Davidson Road, Piscataway, NJ  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474  
DataFile: FF014739.D Analyst Name: YP\AJ Analyst Date: 10-22-2024

| Conc. (PPM) | Area Count | RF     | Average RF | %D    |
|-------------|------------|--------|------------|-------|
| 850         | 110336157  | 129807 | 140252     | 7.447 |

**TPH GC CONTINUING CALIBRATION SUMMARY**

**50 PPM TRPH STD**

Lab Name: Chemtech Contract: YANN01  
ProjectID: 86 Davidson Road, Piscataway, NJ  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474  
DataFile: FF014747.D Analyst Name: YP\AJ Analyst Date: 10-22-2024

| Conc. (PPM) | Area Count | RF     | Average RF | %D    |
|-------------|------------|--------|------------|-------|
| 850         | 113529861  | 133565 | 140252     | 4.768 |

**TPH GC CONTINUING CALIBRATION SUMMARY**

**50 PPM TRPH STD**

Lab Name: Chemtech Contract: YANN01  
ProjectID: 86 Davidson Road, Piscataway, NJ  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474  
DataFile: FF014750.D Analyst Name: YP\AJ Analyst Date: 10-23-2024

| Conc. (PPM) | Area Count | RF     | Average RF | %D    |
|-------------|------------|--------|------------|-------|
| 850         | 116604660  | 137182 | 140252     | 2.189 |

**TPH GC CONTINUING CALIBRATION SUMMARY**

**50 PPM TRPH STD**

Lab Name: Chemtech Contract: YANN01  
ProjectID: 86 Davidson Road, Piscataway, NJ  
Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474  
DataFile: FF014754.D Analyst Name: YP\AJ Analyst Date: 10-23-2024

| Conc. (PPM) | Area Count | RF     | Average RF | %D    |
|-------------|------------|--------|------------|-------|
| 850         | 119688745  | 140810 | 140252     | 0.398 |

## Analytical Sequence

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Project:** 86 Davidson Road, Piscataway, NJ

**Instrument ID:** FID\_F

**GC Column:** RXI-1MS      **ID:** 0.18      (mm)

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| MEAN SUROGATE RT FROM INITIAL CALIBRATION <b>14.9988</b> |                  |                           |            |        |   |
|----------------------------------------------------------|------------------|---------------------------|------------|--------|---|
| EPA<br>SAMPLE NO.                                        | LAB<br>SAMPLE ID | DATE AND TIME<br>ANALYZED | DATAFILE   | RT     | # |
| PIBLK01                                                  | LBLK01           | 22 Oct 2024 12:21         | FF014733.D | 15.004 |   |
| 50 PPM TRPH STD                                          | 50 PPM TRPH STD  | 22 Oct 2024 12:50         | FF014734.D | 15.008 |   |
| TS-2                                                     | P4474-01         | 22 Oct 2024 15:51         | FF014737.D | 15.007 |   |
| PIBLK02                                                  | LBLK02           | 22 Oct 2024 16:20         | FF014738.D | 15.008 |   |
| 50 PPM TRPH STD                                          | 50 PPM TRPH STD  | 22 Oct 2024 16:49         | FF014739.D | 15.011 |   |
| PB164324BL                                               | PB164324BL       | 22 Oct 2024 17:47         | FF014740.D | 15.008 |   |
| TS-1MS                                                   | P4473-01MS       | 22 Oct 2024 18:45         | FF014742.D | 14.984 |   |
| TS-1MSD                                                  | P4473-01MSD      | 22 Oct 2024 19:14         | FF014743.D | 15.007 |   |
| PIBLK03                                                  | LBLK03           | 22 Oct 2024 20:41         | FF014746.D | 15.008 |   |
| 50 PPM TRPH STD                                          | 50 PPM TRPH STD  | 22 Oct 2024 21:39         | FF014747.D | 15.010 |   |
| PIBLK04                                                  | LBLK04           | 23 Oct 2024 07:14         | FF014749.D | 15.008 |   |
| 50 PPM TRPH STD                                          | 50 PPM TRPH STD  | 23 Oct 2024 07:43         | FF014750.D | 15.012 |   |
| PB164324BS                                               | PB164324BS       | 23 Oct 2024 08:42         | FF014752.D | 15.010 |   |
| PIBLK05                                                  | LBLK05           | 23 Oct 2024 09:10         | FF014753.D | 15.009 |   |
| 50 PPM TRPH STD                                          | 50 PPM TRPH STD  | 23 Oct 2024 09:39         | FF014754.D | 15.012 |   |

# Column used to flag RT values with an \* values outside of QC limits

QC Limits  
(± 0.10 minutes)

Lower Limit  
14.8988

Upper Limits  
15.0988



LAB CHRONICLE

|          |                      |            |                                  |
|----------|----------------------|------------|----------------------------------|
| OrderID: | P4474                | OrderDate: | 10/21/2024 3:19:00 PM            |
| Client:  | Yannuzzi Group, Inc. | Project:   | 86 Davidson Road, Piscataway, NJ |
| Contact: | Rafael Nunez         | Location:  | K61                              |

| LabID    | ClientID | Matrix | Test           | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|----------------|--------|-------------|-----------|-----------|----------|
| P4474-01 | TS-2     | SOIL   | Mercury        | 7471B  | 10/18/24    | 10/24/24  | 10/24/24  | 10/21/24 |
|          |          |        | Metals ICP-TAL | 6010D  |             | 10/23/24  | 10/24/24  |          |



**Hit Summary Sheet**  
**SW-846**

**SDG No.:** P4474 **Order ID:** P4474  
**Client:** Yannuzzi Group, Inc. **Project ID:** 86 Davidson Road, Piscataway, NJ

| Sample ID               | Client ID | Matrix | Parameter | Concentration | C | MDL   | RDL   | Units |
|-------------------------|-----------|--------|-----------|---------------|---|-------|-------|-------|
| <b>Client ID : TS-2</b> |           |        |           |               |   |       |       |       |
| P4474-01                | TS-2      | SOIL   | Aluminum  | 5810          |   | 4.39  | 9.10  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Arsenic   | 1.90          |   | 0.53  | 1.82  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Barium    | 89.9          |   | 1.16  | 9.10  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Beryllium | 0.49          | J | 0.022 | 0.55  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Cadmium   | 0.70          |   | 0.029 | 0.55  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Calcium   | 39900         |   | 5.10  | 182   | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Chromium  | 21.8          |   | 0.098 | 0.91  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Cobalt    | 7.88          |   | 0.11  | 2.73  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Copper    | 96.7          |   | 0.86  | 1.82  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Iron      | 12100         |   | 4.90  | 9.10  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Lead      | 10.0          |   | 0.27  | 1.09  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Magnesium | 9180          |   | 6.24  | 182   | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Manganese | 582           |   | 0.13  | 1.82  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Mercury   | 0.012         | J | 0.012 | 0.027 | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Nickel    | 48.0          |   | 0.16  | 3.64  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Potassium | 14500         |   | 52.2  | 182   | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Silver    | 0.25          | J | 0.095 | 0.91  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Sodium    | 1550          |   | 65.7  | 182   | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Vanadium  | 19.1          |   | 0.49  | 3.64  | mg/Kg |
| P4474-01                | TS-2      | SOIL   | Zinc      | 160           |   | 0.20  | 3.64  | mg/Kg |



# SAMPLE DATA

## Report of Analysis

|                   |                                  |                 |          |
|-------------------|----------------------------------|-----------------|----------|
| Client:           | Yannuzzi Group, Inc.             | Date Collected: | 10/18/24 |
| Project:          | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24 |
| Client Sample ID: | TS-2                             | SDG No.:        | P4474    |
| Lab Sample ID:    | P4474-01                         | Matrix:         | SOIL     |
| Level (low/med):  | low                              | % Solid:        | 48.2     |

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|-------|------------|-------------------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 5810  |      | 1  | 4.39  | 9.10       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-36-0 | Antimony  | 0.27  | U    | 1  | 0.27  | 4.55       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-38-2 | Arsenic   | 1.90  |      | 1  | 0.53  | 1.82       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-39-3 | Barium    | 89.9  | N    | 1  | 1.16  | 9.10       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-41-7 | Beryllium | 0.49  | J    | 1  | 0.022 | 0.55       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-43-9 | Cadmium   | 0.70  |      | 1  | 0.029 | 0.55       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-70-2 | Calcium   | 39900 |      | 1  | 5.10  | 182        | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-47-3 | Chromium  | 21.8  |      | 1  | 0.098 | 0.91       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-48-4 | Cobalt    | 7.88  |      | 1  | 0.11  | 2.73       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-50-8 | Copper    | 96.7  |      | 1  | 0.86  | 1.82       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7439-89-6 | Iron      | 12100 |      | 1  | 4.90  | 9.10       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7439-92-1 | Lead      | 10.0  |      | 1  | 0.27  | 1.09       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7439-95-4 | Magnesium | 9180  |      | 1  | 6.24  | 182        | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7439-96-5 | Manganese | 582   |      | 1  | 0.13  | 1.82       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7439-97-6 | Mercury   | 0.012 | J    | 1  | 0.012 | 0.027      | mg/Kg             | 10/24/24 08:15 | 10/24/24 09:13 | SW7471B  |           |
| 7440-02-0 | Nickel    | 48.0  |      | 1  | 0.16  | 3.64       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-09-7 | Potassium | 14500 |      | 1  | 52.2  | 182        | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7782-49-2 | Selenium  | 0.60  | U    | 1  | 0.60  | 1.82       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-22-4 | Silver    | 0.25  | J    | 1  | 0.095 | 0.91       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-23-5 | Sodium    | 1550  | N    | 1  | 65.7  | 182        | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-28-0 | Thallium  | 0.80  | U    | 1  | 0.80  | 3.64       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-62-2 | Vanadium  | 19.1  |      | 1  | 0.49  | 3.64       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |
| 7440-66-6 | Zinc      | 160   | N    | 1  | 0.20  | 3.64       | mg/Kg             | 10/23/24 08:45 | 10/24/24 14:44 | SW6010   | SW3050    |

|               |            |                 |            |        |
|---------------|------------|-----------------|------------|--------|
| Color Before: | Brown      | Clarity Before: | Texture:   | Medium |
| Color After:  | Yellow     | Clarity After:  | Artifacts: | N/A    |
| Comments:     | TCL+30/TAL |                 |            |        |

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N =Spiked sample recovery not within control limits



# METAL CALIBRATION DATA

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Yannuzzi Group, Inc. **SDG No.:** P4474  
**Contract:** YANN01 **Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV50     | Mercury | 3.82           | 4.0        | 96            | 90 - 110                  | CV | 10/24/2024       | 08:43            | LB133088      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Yannuzzi Group, Inc. **SDG No.:** P4474  
**Contract:** YANN01 **Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV62     | Mercury | 5.11           | 5.0        | 102           | 90 - 110                  | CV | 10/24/2024       | 08:47            | LB133088      |
| CCV63     | Mercury | 5.11           | 5.0        | 102           | 90 - 110                  | CV | 10/24/2024       | 09:20            | LB133088      |
| CCV64     | Mercury | 5.27           | 5.0        | 106           | 90 - 110                  | CV | 10/24/2024       | 09:53            | LB133088      |
| CCV65     | Mercury | 5.20           | 5.0        | 104           | 90 - 110                  | CV | 10/24/2024       | 10:24            | LB133088      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474  
Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Aluminum  | 2480           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Antimony  | 1020           | 1000       | 102           | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Arsenic   | 965            | 1000       | 96            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Barium    | 486            | 520        | 93            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Beryllium | 483            | 510        | 95            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Cadmium   | 481            | 510        | 94            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Calcium   | 9650           | 10000      | 96            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Chromium  | 523            | 520        | 101           | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Cobalt    | 520            | 520        | 100           | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Copper    | 539            | 510        | 106           | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Iron      | 10100          | 10000      | 101           | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Lead      | 974            | 1000       | 97            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Magnesium | 5440           | 6000       | 91            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Manganese | 490            | 520        | 94            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Nickel    | 523            | 530        | 99            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Potassium | 10200          | 9900       | 102           | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Selenium  | 1000           | 1000       | 100           | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Silver    | 264            | 250        | 106           | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Sodium    | 9680           | 10000      | 97            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Thallium  | 996            | 1000       | 100           | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Vanadium  | 467            | 500        | 93            | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |
|           | Zinc      | 1060           | 1000       | 106           | 90 - 110                  | P | 10/24/2024       | 13:26            | LB133110      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474  
Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Aluminum  | 98.7           | 100        | 99            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Antimony  | 52.1           | 50.0       | 104           | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Arsenic   | 19.0           | 20.0       | 95            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Barium    | 95.8           | 100        | 96            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Beryllium | 5.72           | 6.0        | 95            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Cadmium   | 5.61           | 6.0        | 94            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Calcium   | 1950           | 2000       | 97            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Chromium  | 10.0           | 10.0       | 100           | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Cobalt    | 30.0           | 30.0       | 100           | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Copper    | 22.9           | 20.0       | 114           | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Iron      | 106            | 100        | 106           | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Lead      | 11.6           | 12.0       | 96            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Magnesium | 1840           | 2000       | 92            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Manganese | 20.0           | 20.0       | 100           | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Nickel    | 39.5           | 40.0       | 99            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Potassium | 2040           | 2000       | 102           | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Selenium  | 19.0           | 20.0       | 95            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Silver    | 11.0           | 10.0       | 110           | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Sodium    | 1910           | 2000       | 96            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Thallium  | 39.2           | 40.0       | 98            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Vanadium  | 35.8           | 40.0       | 89            | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |
|           | Zinc      | 45.9           | 40.0       | 115           | 80 - 120                  | P | 10/24/2024       | 13:30            | LB133110      |



## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474  
Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Aluminum  | 9660           | 10000      | 97            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Antimony  | 4980           | 5000       | 100           | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Arsenic   | 4950           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Barium    | 9460           | 10000      | 95            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Beryllium | 238            | 250        | 95            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Cadmium   | 2440           | 2500       | 97            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Calcium   | 23800          | 25000      | 95            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Chromium  | 968            | 1000       | 97            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Cobalt    | 2440           | 2500       | 98            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Copper    | 1250           | 1250       | 100           | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Iron      | 4960           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Lead      | 4900           | 5000       | 98            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Magnesium | 25700          | 25000      | 103           | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Manganese | 2350           | 2500       | 94            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Nickel    | 2450           | 2500       | 98            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Potassium | 24900          | 25000      | 100           | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Selenium  | 5000           | 5000       | 100           | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Silver    | 1250           | 1250       | 100           | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Sodium    | 24600          | 25000      | 98            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Thallium  | 4850           | 5000       | 97            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Vanadium  | 2330           | 2500       | 93            | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
|           | Zinc      | 2520           | 2500       | 101           | 90 - 110                  | P | 10/24/2024       | 14:06            | LB133110      |
| CCV02     | Aluminum  | 9760           | 10000      | 98            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Antimony  | 4950           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Arsenic   | 4890           | 5000       | 98            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Barium    | 9450           | 10000      | 94            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Beryllium | 234            | 250        | 94            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Cadmium   | 2410           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Calcium   | 23900          | 25000      | 96            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Chromium  | 959            | 1000       | 96            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Cobalt    | 2420           | 2500       | 97            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Iron      | 4970           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Lead      | 4860           | 5000       | 97            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474  
Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV02     | Magnesium | 25600          | 25000      | 102           | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Manganese | 2340           | 2500       | 94            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Nickel    | 2430           | 2500       | 97            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Potassium | 25000          | 25000      | 100           | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Selenium  | 4950           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Sodium    | 24600          | 25000      | 98            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Thallium  | 4800           | 5000       | 96            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Vanadium  | 2320           | 2500       | 93            | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
|           | Zinc      | 2510           | 2500       | 100           | 90 - 110                  | P | 10/24/2024       | 14:53            | LB133110      |
| CCV03     | Aluminum  | 9500           | 10000      | 95            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Antimony  | 4930           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Arsenic   | 4880           | 5000       | 98            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Barium    | 9310           | 10000      | 93            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Beryllium | 228            | 250        | 91            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Cadmium   | 2400           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Calcium   | 23300          | 25000      | 93            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Chromium  | 961            | 1000       | 96            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Cobalt    | 2410           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Copper    | 1230           | 1250       | 98            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Iron      | 5030           | 5000       | 101           | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Lead      | 4830           | 5000       | 97            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Magnesium | 25100          | 25000      | 100           | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Manganese | 2280           | 2500       | 91            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Nickel    | 2420           | 2500       | 97            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Potassium | 25400          | 25000      | 102           | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Selenium  | 4950           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Sodium    | 25200          | 25000      | 101           | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Thallium  | 4880           | 5000       | 98            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Vanadium  | 2270           | 2500       | 91            | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
|           | Zinc      | 2510           | 2500       | 100           | 90 - 110                  | P | 10/24/2024       | 15:06            | LB133110      |
| CCV04     | Aluminum  | 9870           | 10000      | 99            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Antimony  | 5100           | 5000       | 102           | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474  
 Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474  
 Initial Calibration Source: EPA  
 Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV04     | Arsenic   | 5050           | 5000       | 101           | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Barium    | 9520           | 10000      | 95            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Beryllium | 233            | 250        | 93            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Cadmium   | 2460           | 2500       | 98            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Calcium   | 23900          | 25000      | 96            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Chromium  | 966            | 1000       | 97            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Cobalt    | 2470           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Copper    | 1270           | 1250       | 102           | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Iron      | 4970           | 5000       | 100           | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Lead      | 4960           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Magnesium | 22600          | 25000      | 90            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Manganese | 2320           | 2500       | 93            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Nickel    | 2480           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Potassium | 25600          | 25000      | 102           | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Selenium  | 5140           | 5000       | 103           | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Silver    | 1260           | 1250       | 100           | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Sodium    | 25300          | 25000      | 101           | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Thallium  | 5000           | 5000       | 100           | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Vanadium  | 2310           | 2500       | 92            | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
|           | Zinc      | 2550           | 2500       | 102           | 90 - 110                  | P | 10/24/2024       | 15:58            | LB133110      |
| CCV05     | Aluminum  | 9590           | 10000      | 96            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Antimony  | 4920           | 5000       | 98            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Arsenic   | 4920           | 5000       | 98            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Barium    | 9440           | 10000      | 94            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Beryllium | 236            | 250        | 94            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Cadmium   | 2400           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Calcium   | 23400          | 25000      | 94            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Chromium  | 945            | 1000       | 94            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Cobalt    | 2410           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Copper    | 1230           | 1250       | 98            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Iron      | 4690           | 5000       | 94            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Lead      | 4840           | 5000       | 97            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Magnesium | 26700          | 25000      | 107           | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Manganese | 2360           | 2500       | 94            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474  
 Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474  
 Initial Calibration Source: EPA  
 Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Nickel    | 2420           | 2500       | 97            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Potassium | 25500          | 25000      | 102           | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Selenium  | 5040           | 5000       | 101           | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Sodium    | 24300          | 25000      | 97            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Thallium  | 5380           | 5000       | 108           | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Vanadium  | 2570           | 2500       | 103           | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
|           | Zinc      | 2470           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 16:55            | LB133110      |
| CCV06     | Aluminum  | 9670           | 10000      | 97            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Antimony  | 5050           | 5000       | 101           | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Arsenic   | 5050           | 5000       | 101           | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Barium    | 9490           | 10000      | 95            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Beryllium | 237            | 250        | 95            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Cadmium   | 2440           | 2500       | 98            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Calcium   | 23400          | 25000      | 94            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Chromium  | 944            | 1000       | 94            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Cobalt    | 2450           | 2500       | 98            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Copper    | 1260           | 1250       | 101           | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Iron      | 4660           | 5000       | 93            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Lead      | 4920           | 5000       | 98            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Magnesium | 24800          | 25000      | 99            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Manganese | 2400           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Nickel    | 2470           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Potassium | 25700          | 25000      | 103           | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Selenium  | 5170           | 5000       | 103           | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Sodium    | 24700          | 25000      | 99            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Thallium  | 5400           | 5000       | 108           | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Vanadium  | 2610           | 2500       | 104           | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
|           | Zinc      | 2480           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 17:46            | LB133110      |
| CCV07     | Aluminum  | 9420           | 10000      | 94            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Antimony  | 4950           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Arsenic   | 4930           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Barium    | 9240           | 10000      | 92            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474  
Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV07     | Beryllium | 236            | 250        | 94            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Cadmium   | 2400           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Calcium   | 23000          | 25000      | 92            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Chromium  | 935            | 1000       | 94            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Cobalt    | 2410           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Copper    | 1230           | 1250       | 99            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Iron      | 4600           | 5000       | 92            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Lead      | 4840           | 5000       | 97            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Magnesium | 24600          | 25000      | 98            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Manganese | 2380           | 2500       | 95            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Nickel    | 2430           | 2500       | 97            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Potassium | 25600          | 25000      | 102           | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Selenium  | 5050           | 5000       | 101           | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Silver    | 1230           | 1250       | 98            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Sodium    | 24400          | 25000      | 98            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Thallium  | 5340           | 5000       | 107           | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Vanadium  | 2560           | 2500       | 102           | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
|           | Zinc      | 2470           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 18:37            | LB133110      |
| CCV08     | Aluminum  | 9530           | 10000      | 95            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Antimony  | 5020           | 5000       | 100           | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Arsenic   | 4960           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Barium    | 9320           | 10000      | 93            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Beryllium | 245            | 250        | 98            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Cadmium   | 2400           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Calcium   | 23200          | 25000      | 93            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Chromium  | 947            | 1000       | 95            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Cobalt    | 2420           | 2500       | 97            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Iron      | 4760           | 5000       | 95            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Lead      | 4860           | 5000       | 97            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Magnesium | 25000          | 25000      | 100           | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Manganese | 2440           | 2500       | 98            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Nickel    | 2430           | 2500       | 97            | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Potassium | 27200          | 25000      | 109           | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474

Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV08     | Selenium  | 5120           | 5000       | 102           | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Silver    | 1260           | 1250       | 101           | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Sodium    | 25300          | 25000      | 101           | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Thallium  | 5330           | 5000       | 107           | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Vanadium  | 2610           | 2500       | 105           | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
|           | Zinc      | 2530           | 2500       | 101           | 90 - 110                  | P | 10/24/2024       | 19:32            | LB133110      |
| CCV09     | Aluminum  | 9530           | 10000      | 95            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Antimony  | 4960           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Arsenic   | 4950           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Barium    | 9150           | 10000      | 92            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Beryllium | 238            | 250        | 95            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Cadmium   | 2380           | 2500       | 95            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Calcium   | 22800          | 25000      | 91            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Chromium  | 920            | 1000       | 92            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Cobalt    | 2390           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Copper    | 1230           | 1250       | 98            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Iron      | 4550           | 5000       | 91            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Lead      | 4810           | 5000       | 96            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Magnesium | 24700          | 25000      | 99            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Manganese | 2420           | 2500       | 97            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Nickel    | 2410           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Potassium | 25500          | 25000      | 102           | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Selenium  | 5090           | 5000       | 102           | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Silver    | 1220           | 1250       | 98            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Sodium    | 23000          | 25000      | 92            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Thallium  | 5280           | 5000       | 106           | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Vanadium  | 2690           | 2500       | 108           | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
|           | Zinc      | 2450           | 2500       | 98            | 90 - 110                  | P | 10/24/2024       | 20:31            | LB133110      |
| CCV10     | Aluminum  | 9590           | 10000      | 96            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Antimony  | 5110           | 5000       | 102           | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Arsenic   | 5070           | 5000       | 101           | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Barium    | 9340           | 10000      | 93            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Beryllium | 241            | 250        | 96            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Cadmium   | 2460           | 2500       | 98            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474  
Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV10     | Calcium   | 23300          | 25000      | 93            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Chromium  | 943            | 1000       | 94            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Cobalt    | 2470           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Copper    | 1260           | 1250       | 101           | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Iron      | 4630           | 5000       | 93            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Lead      | 4950           | 5000       | 99            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Magnesium | 25400          | 25000      | 102           | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Manganese | 2480           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Nickel    | 2490           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Potassium | 26100          | 25000      | 104           | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Selenium  | 5190           | 5000       | 104           | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Sodium    | 23800          | 25000      | 95            | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Thallium  | 5340           | 5000       | 107           | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Vanadium  | 2670           | 2500       | 107           | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
|           | Zinc      | 2510           | 2500       | 100           | 90 - 110                  | P | 10/24/2024       | 21:22            | LB133110      |
| CCV11     | Aluminum  | 10300          | 10000      | 103           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Antimony  | 5360           | 5000       | 107           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Arsenic   | 5320           | 5000       | 106           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Barium    | 10100          | 10000      | 101           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Beryllium | 256            | 250        | 102           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Cadmium   | 2570           | 2500       | 103           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Calcium   | 25000          | 25000      | 100           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Chromium  | 995            | 1000       | 100           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Cobalt    | 2590           | 2500       | 103           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Copper    | 1330           | 1250       | 106           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Iron      | 4890           | 5000       | 98            | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Lead      | 5170           | 5000       | 103           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Magnesium | 23500          | 25000      | 94            | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Manganese | 2410           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Nickel    | 2610           | 2500       | 104           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Potassium | 25100          | 25000      | 100           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Selenium  | 5440           | 5000       | 109           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Silver    | 1300           | 1250       | 104           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474  
Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV11     | Sodium    | 23100          | 25000      | 93            | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Thallium  | 5040           | 5000       | 101           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Vanadium  | 2400           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
|           | Zinc      | 2640           | 2500       | 106           | 90 - 110                  | P | 10/24/2024       | 22:15            | LB133110      |
| CCV12     | Aluminum  | 9530           | 10000      | 95            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Antimony  | 5030           | 5000       | 101           | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Arsenic   | 4970           | 5000       | 100           | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Barium    | 9220           | 10000      | 92            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Beryllium | 237            | 250        | 95            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Cadmium   | 2400           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Calcium   | 23100          | 25000      | 92            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Chromium  | 921            | 1000       | 92            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Cobalt    | 2410           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Copper    | 1230           | 1250       | 99            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Iron      | 4550           | 5000       | 91            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Lead      | 4840           | 5000       | 97            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Magnesium | 25400          | 25000      | 102           | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Manganese | 2480           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Nickel    | 2430           | 2500       | 97            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Potassium | 25600          | 25000      | 102           | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Selenium  | 5120           | 5000       | 102           | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Silver    | 1220           | 1250       | 98            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Sodium    | 23400          | 25000      | 94            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Thallium  | 5340           | 5000       | 107           | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
| CCV13     | Vanadium  | 2640           | 2500       | 106           | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Zinc      | 2470           | 2500       | 99            | 90 - 110                  | P | 10/24/2024       | 23:09            | LB133110      |
|           | Aluminum  | 9320           | 10000      | 93            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Antimony  | 4910           | 5000       | 98            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Arsenic   | 4850           | 5000       | 97            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Barium    | 9180           | 10000      | 92            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Beryllium | 228            | 250        | 91            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Cadmium   | 2300           | 2500       | 92            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Calcium   | 27200          | 25000      | 109           | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Chromium  | 903            | 1000       | 90            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |



## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474  
Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV13     | Cobalt    | 2320           | 2500       | 93            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Copper    | 1200           | 1250       | 96            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Iron      | 5460           | 5000       | 109           | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Lead      | 4660           | 5000       | 93            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Magnesium | 24500          | 25000      | 98            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Manganese | 2670           | 2500       | 107           | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Nickel    | 2340           | 2500       | 94            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Potassium | 25300          | 25000      | 101           | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Selenium  | 5010           | 5000       | 100           | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Silver    | 1180           | 1250       | 95            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Sodium    | 23200          | 25000      | 93            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Thallium  | 5100           | 5000       | 102           | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Vanadium  | 2670           | 2500       | 107           | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
|           | Zinc      | 2400           | 2500       | 96            | 90 - 110                  | P | 10/24/2024       | 23:58            | LB133110      |
| CCV14     | Aluminum  | 9700           | 10000      | 97            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Antimony  | 5110           | 5000       | 102           | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Arsenic   | 5070           | 5000       | 101           | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Barium    | 9300           | 10000      | 93            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Beryllium | 241            | 250        | 96            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Cadmium   | 2430           | 2500       | 97            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Calcium   | 23500          | 25000      | 94            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Chromium  | 927            | 1000       | 93            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Cobalt    | 2440           | 2500       | 98            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Copper    | 1260           | 1250       | 101           | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Iron      | 4600           | 5000       | 92            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Lead      | 4900           | 5000       | 98            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Magnesium | 25700          | 25000      | 103           | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Manganese | 2520           | 2500       | 101           | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Nickel    | 2470           | 2500       | 99            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Potassium | 25800          | 25000      | 103           | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Selenium  | 5210           | 5000       | 104           | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Silver    | 1230           | 1250       | 99            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Sodium    | 23200          | 25000      | 93            | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Thallium  | 5410           | 5000       | 108           | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. SDG No.: P4474  
Contract: YANN01 Lab Code: CHEM Case No.: P4474 SAS No.: P4474  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV14     | Vanadium  | 2680           | 2500       | 107           | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
|           | Zinc      | 2500           | 2500       | 100           | 90 - 110                  | P | 10/25/2024       | 00:52            | LB133110      |
| CCV15     | Aluminum  | 9430           | 10000      | 94            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Antimony  | 4920           | 5000       | 98            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Arsenic   | 4890           | 5000       | 98            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Barium    | 9100           | 10000      | 91            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Beryllium | 238            | 250        | 95            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Cadmium   | 2390           | 2500       | 96            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Calcium   | 23000          | 25000      | 92            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Chromium  | 926            | 1000       | 93            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Cobalt    | 2390           | 2500       | 96            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Copper    | 1220           | 1250       | 98            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Iron      | 4510           | 5000       | 90            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Lead      | 4800           | 5000       | 96            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Magnesium | 25400          | 25000      | 101           | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Manganese | 2470           | 2500       | 99            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Nickel    | 2420           | 2500       | 97            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Potassium | 25200          | 25000      | 101           | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Selenium  | 5000           | 5000       | 100           | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Silver    | 1210           | 1250       | 97            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Sodium    | 22700          | 25000      | 91            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Thallium  | 5160           | 5000       | 103           | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
| CCV16     | Vanadium  | 2640           | 2500       | 106           | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Zinc      | 2440           | 2500       | 97            | 90 - 110                  | P | 10/25/2024       | 01:45            | LB133110      |
|           | Aluminum  | 9310           | 10000      | 93            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Antimony  | 4990           | 5000       | 100           | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Arsenic   | 4970           | 5000       | 99            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Barium    | 9010           | 10000      | 90            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Beryllium | 236            | 250        | 94            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Cadmium   | 2430           | 2500       | 97            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Calcium   | 22900          | 25000      | 91            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Chromium  | 913            | 1000       | 91            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Cobalt    | 2430           | 2500       | 97            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Copper    | 1230           | 1250       | 99            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Yannuzzi Group, Inc. **SDG No.:** P4474

**Contract:** YANN01 **Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV16     | Iron      | 5000           | 5000       | 100           | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Lead      | 4870           | 5000       | 97            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Magnesium | 25400          | 25000      | 102           | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Manganese | 2720           | 2500       | 109           | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Nickel    | 2460           | 2500       | 98            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Potassium | 24700          | 25000      | 99            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Selenium  | 5070           | 5000       | 102           | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Silver    | 1190           | 1250       | 96            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Sodium    | 22700          | 25000      | 91            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Thallium  | 5300           | 5000       | 106           | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Vanadium  | 2740           | 2500       | 110           | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |
|           | Zinc      | 2410           | 2500       | 96            | 90 - 110                  | P | 10/25/2024       | 02:44            | LB133110      |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

**Metals**

**- 2b -**

**CRDL STANDARD FOR AA & ICP**

**Client:** Yannuzzi Group, Inc. **SDG No.:** P4474  
**Contract:** YANN01 **Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474  
**Initial Calibration Source:** \_\_\_\_\_  
**Continuing Calibration Source:** \_\_\_\_\_

| Sample ID    | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|--------------|-----------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| <b>CRA</b>   | Mercury   | 0.18           | 0.2                | 88            | 40 - 160                  | CV | 10/24/2024       | 08:52            | LB133088      |
| <b>CRI01</b> | Aluminum  | 100            | 100                | 100           | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Antimony  | 51.1           | 50.0               | 102           | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Arsenic   | 19.7           | 20.0               | 98            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Barium    | 94.3           | 100                | 94            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Beryllium | 5.58           | 6.0                | 93            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Cadmium   | 5.58           | 6.0                | 93            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Calcium   | 1920           | 2000               | 96            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Chromium  | 9.95           | 10.0               | 100           | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Cobalt    | 29.3           | 30.0               | 98            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Copper    | 22.1           | 20.0               | 110           | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Iron      | 102            | 100                | 102           | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Lead      | 11.7           | 12.0               | 97            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Magnesium | 1850           | 2000               | 93            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Manganese | 19.3           | 20.0               | 96            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Nickel    | 38.8           | 40.0               | 97            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Potassium | 1970           | 2000               | 98            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Selenium  | 17.8           | 20.0               | 89            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Silver    | 10.6           | 10.0               | 106           | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Sodium    | 1860           | 2000               | 93            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Thallium  | 39.2           | 40.0               | 98            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Vanadium  | 34.7           | 40.0               | 87            | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |
|              | Zinc      | 44.4           | 40.0               | 111           | 40 - 160                  | P  | 10/24/2024       | 13:38            | LB133110      |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

Yannuzzi Group, Inc.

SDG No.:

P4474

Contract:

YANN01

Lab Code:

CHEM

Case No.:

P4474

SAS No.:

P4474

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| ICB50     | Mercury | 0              | +/-0                | U            | 0    | CV | 10/24/2024       | 08:45            | LB133088      |

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Yannuzzi Group, Inc. **SDG No.:** P4474  
**Contract:** YANN01 **Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| CCB62     | Mercury | 0              | +/-0                | U            | 0    | CV | 10/24/2024       | 08:50            | LB133088      |
| CCB63     | Mercury | 0              | +/-0                | U            | 0    | CV | 10/24/2024       | 09:22            | LB133088      |
| CCB64     | Mercury | 0              | +/-0                | U            | 0    | CV | 10/24/2024       | 09:55            | LB133088      |
| CCB65     | Mercury | 0              | +/-0                | U            | 0    | CV | 10/24/2024       | 10:26            | LB133088      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Yannuzzi Group, Inc. **SDG No.:** P4474  
**Contract:** YANN01 **Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| ICB01     | Aluminum  | 100            | +/-100              | U            | 100  | P | 10/24/2024       | 13:34            | LB133110      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 50.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 20.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Barium    | 100            | +/-100              | U            | 100  | P | 10/24/2024       | 13:34            | LB133110      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 6.00 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 6.00 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Calcium   | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 10.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 30.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Copper    | 20.0           | +/-20.0             | U            | 20.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Iron      | 100            | +/-100              | U            | 100  | P | 10/24/2024       | 13:34            | LB133110      |
|           | Lead      | 12.0           | +/-12.0             | U            | 12.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Magnesium | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Manganese | 20.0           | +/-20.0             | U            | 20.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Potassium | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 20.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Silver    | 10.0           | +/-10.0             | U            | 10.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Sodium    | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 13:34            | LB133110      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 13:34            | LB133110      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> <u>Yannuzzi Group, Inc.</u> |                              | <b>SDG No.:</b> <u>P4474</u>  |                              |              |      |   |                  |                  |               |
|--------------------------------------------|------------------------------|-------------------------------|------------------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> <u>YANN01</u>             | <b>Lab Code:</b> <u>CHEM</u> | <b>Case No.:</b> <u>P4474</u> | <b>SAS No.:</b> <u>P4474</u> |              |      |   |                  |                  |               |
| Sample ID                                  | Analyte                      | Result<br>ug/L                | Acceptance<br>Limit          | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| <b>CCB01</b>                               | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Sodium                       | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 14:11            | LB133110      |
|                                            | Zinc                         | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 14:11            | LB133110      |
| <b>CCB02</b>                               | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 14:57            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 14:57            | LB133110      |



## Metals

- 3a -

### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

| <b>Client:</b> Yannuzzi Group, Inc. |                       | <b>SDG No.:</b> P4474  |                       |              |      |   |                  |                  |               |
|-------------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> YANN01             | <b>Lab Code:</b> CHEM | <b>Case No.:</b> P4474 | <b>SAS No.:</b> P4474 |              |      |   |                  |                  |               |
| Sample ID                           | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB02                               | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 10/24/2024       | 14:57            | LB133110      |
|                                     | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 10/24/2024       | 14:57            | LB133110      |
|                                     | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 10/24/2024       | 14:57            | LB133110      |
|                                     | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 10/24/2024       | 14:57            | LB133110      |
|                                     | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 10/24/2024       | 14:57            | LB133110      |
| CCB03                               | Aluminum              | 100                    | +/-100                | U            | 100  | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Barium                | 100                    | +/-100                | U            | 100  | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Iron                  | 100                    | +/-100                | U            | 100  | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 10/24/2024       | 15:12            | LB133110      |
|                                     | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 10/24/2024       | 15:12            | LB133110      |
| CCB04                               | Aluminum              | 100                    | +/-100                | U            | 100  | P | 10/24/2024       | 16:02            | LB133110      |
|                                     | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 10/24/2024       | 16:02            | LB133110      |
|                                     | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 10/24/2024       | 16:02            | LB133110      |
|                                     | Barium                | 100                    | +/-100                | U            | 100  | P | 10/24/2024       | 16:02            | LB133110      |
|                                     | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 10/24/2024       | 16:02            | LB133110      |
|                                     | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 10/24/2024       | 16:02            | LB133110      |
|                                     | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 10/24/2024       | 16:02            | LB133110      |
|                                     | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 10/24/2024       | 16:02            | LB133110      |
|                                     | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 10/24/2024       | 16:02            | LB133110      |
|                                     | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 10/24/2024       | 16:02            | LB133110      |
|                                     | Iron                  | 100                    | +/-100                | U            | 100  | P | 10/24/2024       | 16:02            | LB133110      |
|                                     | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 10/24/2024       | 16:02            | LB133110      |



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|                  |                      |                  |                 |                  |       |
|------------------|----------------------|------------------|-----------------|------------------|-------|
| <b>Client:</b>   | Yannuzzi Group, Inc. |                  | <b>SDG No.:</b> | P4474            |       |
| <b>Contract:</b> | YANN01               | <b>Lab Code:</b> | CHEM            | <b>Case No.:</b> | P4474 |
|                  |                      |                  |                 | <b>SAS No.:</b>  | P4474 |

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB04     | Magnesium | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 16:02            | LB133110      |
|           | Manganese | 20.0           | +/-20.0             | U            | 20.0 | P | 10/24/2024       | 16:02            | LB133110      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 16:02            | LB133110      |
|           | Potassium | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 16:02            | LB133110      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 20.0 | P | 10/24/2024       | 16:02            | LB133110      |
|           | Silver    | 10.0           | +/-10.0             | U            | 10.0 | P | 10/24/2024       | 16:02            | LB133110      |
|           | Sodium    | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 16:02            | LB133110      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 16:02            | LB133110      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 16:02            | LB133110      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 16:02            | LB133110      |
| CCB05     | Aluminum  | 100            | +/-100              | U            | 100  | P | 10/24/2024       | 16:59            | LB133110      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 50.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 20.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Barium    | 100            | +/-100              | U            | 100  | P | 10/24/2024       | 16:59            | LB133110      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 6.00 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 6.00 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Calcium   | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 10.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 30.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Copper    | 20.0           | +/-20.0             | U            | 20.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Iron      | 100            | +/-100              | U            | 100  | P | 10/24/2024       | 16:59            | LB133110      |
|           | Lead      | 12.0           | +/-12.0             | U            | 12.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Magnesium | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Manganese | 20.0           | +/-20.0             | U            | 20.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Potassium | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 20.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Silver    | 10.0           | +/-10.0             | U            | 10.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Sodium    | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 16:59            | LB133110      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 40.0 | P | 10/24/2024       | 16:59            | LB133110      |
| CCB06     | Aluminum  | 100            | +/-100              | U            | 100  | P | 10/24/2024       | 17:50            | LB133110      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 50.0 | P | 10/24/2024       | 17:50            | LB133110      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 20.0 | P | 10/24/2024       | 17:50            | LB133110      |
|           | Barium    | 100            | +/-100              | U            | 100  | P | 10/24/2024       | 17:50            | LB133110      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 6.00 | P | 10/24/2024       | 17:50            | LB133110      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 6.00 | P | 10/24/2024       | 17:50            | LB133110      |
|           | Calcium   | 2000           | +/-2000             | U            | 2000 | P | 10/24/2024       | 17:50            | LB133110      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> <u>Yannuzzi Group, Inc.</u> |                              | <b>SDG No.:</b> <u>P4474</u>  |                              |              |      |   |                  |                  |               |
|--------------------------------------------|------------------------------|-------------------------------|------------------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> <u>YANN01</u>             | <b>Lab Code:</b> <u>CHEM</u> | <b>Case No.:</b> <u>P4474</u> | <b>SAS No.:</b> <u>P4474</u> |              |      |   |                  |                  |               |
| Sample ID                                  | Analyte                      | Result<br>ug/L                | Acceptance<br>Limit          | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| <b>CCB06</b>                               | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Sodium                       | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 17:50            | LB133110      |
|                                            | Zinc                         | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 17:50            | LB133110      |
| <b>CCB07</b>                               | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Sodium                       | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 18:41            | LB133110      |
|                                            | Zinc                         | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 18:41            | LB133110      |
| <b>CCB08</b>                               | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/24/2024       | 19:45            | LB133110      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

| <b>Client:</b> <u>Yannuzzi Group, Inc.</u> |                              | <b>SDG No.:</b> <u>P4474</u>  |                              |              |      |   |                  |                  |               |
|--------------------------------------------|------------------------------|-------------------------------|------------------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> <u>YANN01</u>             | <b>Lab Code:</b> <u>CHEM</u> | <b>Case No.:</b> <u>P4474</u> | <b>SAS No.:</b> <u>P4474</u> |              |      |   |                  |                  |               |
| Sample ID                                  | Analyte                      | Result<br>ug/L                | Acceptance<br>Limit          | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB08                                      | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Sodium                       | 908                           | +/-2000                      | J            | 2000 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 19:45            | LB133110      |
|                                            | Zinc                         | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 19:45            | LB133110      |
| CCB09                                      | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Sodium                       | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 20:36            | LB133110      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> <u>Yannuzzi Group, Inc.</u> |                              | <b>SDG No.:</b> <u>P4474</u>  |                              |              |      |   |                  |                  |               |
|--------------------------------------------|------------------------------|-------------------------------|------------------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> <u>YANN01</u>             | <b>Lab Code:</b> <u>CHEM</u> | <b>Case No.:</b> <u>P4474</u> | <b>SAS No.:</b> <u>P4474</u> |              |      |   |                  |                  |               |
| Sample ID                                  | Analyte                      | Result<br>ug/L                | Acceptance<br>Limit          | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB09                                      | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 20:36            | LB133110      |
|                                            | Zinc                         | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 20:36            | LB133110      |
| CCB10                                      | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Sodium                       | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 21:28            | LB133110      |
|                                            | Zinc                         | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 21:28            | LB133110      |
| CCB11                                      | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 22:20            | LB133110      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> <u>Yannuzzi Group, Inc.</u> |                              | <b>SDG No.:</b> <u>P4474</u>  |                              |              |      |   |                  |                  |               |
|--------------------------------------------|------------------------------|-------------------------------|------------------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> <u>YANN01</u>             | <b>Lab Code:</b> <u>CHEM</u> | <b>Case No.:</b> <u>P4474</u> | <b>SAS No.:</b> <u>P4474</u> |              |      |   |                  |                  |               |
| Sample ID                                  | Analyte                      | Result<br>ug/L                | Acceptance<br>Limit          | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB11                                      | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Sodium                       | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 22:20            | LB133110      |
|                                            | Zinc                         | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 22:20            | LB133110      |
| CCB12                                      | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Sodium                       | 2000                          | +/-2000                      | U            | 2000 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 23:13            | LB133110      |
|                                            | Zinc                         | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/24/2024       | 23:13            | LB133110      |
| CCB13                                      | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/25/2024       | 00:02            | LB133110      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

| <b>Client:</b> <u>Yannuzzi Group, Inc.</u> |                              | <b>SDG No.:</b> <u>P4474</u>  |                              |              |      |   |                  |                  |               |
|--------------------------------------------|------------------------------|-------------------------------|------------------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> <u>YANN01</u>             | <b>Lab Code:</b> <u>CHEM</u> | <b>Case No.:</b> <u>P4474</u> | <b>SAS No.:</b> <u>P4474</u> |              |      |   |                  |                  |               |
| Sample ID                                  | Analyte                      | Result<br>ug/L                | Acceptance<br>Limit          | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB13                                      | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Sodium                       | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 00:02            | LB133110      |
|                                            | Zinc                         | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 00:02            | LB133110      |
| CCB14                                      | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Sodium                       | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 00:56            | LB133110      |
|                                            | Zinc                         | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 00:56            | LB133110      |
| CCB15                                      | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 01:50            | LB133110      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> <u>Yannuzzi Group, Inc.</u> |                              | <b>SDG No.:</b> <u>P4474</u>  |                              |              |      |   |                  |                  |               |
|--------------------------------------------|------------------------------|-------------------------------|------------------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> <u>YANN01</u>             | <b>Lab Code:</b> <u>CHEM</u> | <b>Case No.:</b> <u>P4474</u> | <b>SAS No.:</b> <u>P4474</u> |              |      |   |                  |                  |               |
| Sample ID                                  | Analyte                      | Result<br>ug/L                | Acceptance<br>Limit          | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB15                                      | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Sodium                       | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 01:50            | LB133110      |
|                                            | Zinc                         | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 01:50            | LB133110      |
| CCB16                                      | Aluminum                     | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Antimony                     | 50.0                          | +/-50.0                      | U            | 50.0 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Barium                       | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Beryllium                    | 6.00                          | +/-6.00                      | U            | 6.00 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Cadmium                      | 0.30                          | +/-6.00                      | J            | 6.00 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Calcium                      | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Cobalt                       | 30.0                          | +/-30.0                      | U            | 30.0 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Copper                       | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Iron                         | 100                           | +/-100                       | U            | 100  | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Magnesium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Manganese                    | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Nickel                       | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Potassium                    | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Sodium                       | 2000                          | +/-2000                      | U            | 2000 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Thallium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 02:48            | LB133110      |
|                                            | Vanadium                     | 40.0                          | +/-40.0                      | U            | 40.0 | P | 10/25/2024       | 02:48            | LB133110      |



**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Yannuzzi Group, Inc. **SDG No.:** P4474  
**Contract:** YANN01 **Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB16     | Zinc    | 40.0           | +/-40.0             | U            | 40.0 | P | 10/25/2024       | 02:48            | LB133110      |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Instrument:** CV1

| Sample ID         | Analyte | Result<br>(mg/Kg) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>mg/Kg   | M  | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|---------|-------------------|---------------------|----------------------|-----------------|----|-------------------|-------------------|----------|
| <b>PB164361BL</b> |         | <b>SOLID</b>      |                     | <b>Batch Number:</b> | <b>PB164361</b> |    | <b>Prep Date:</b> | <b>10/24/2024</b> |          |
|                   | Mercury | 0.013             | <0.013              | U                    | 0.013           | CV | 10/24/2024        | 09:01             | LB133088 |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Instrument:** P4

| Sample ID         | Analyte      | Result<br>(mg/Kg) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>mg/Kg   | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|--------------|-------------------|---------------------|----------------------|-----------------|---|-------------------|-------------------|----------|
| <b>PB164320BL</b> | <b>SOLID</b> |                   |                     | <b>Batch Number:</b> | <b>PB164320</b> |   | <b>Prep Date:</b> | <b>10/23/2024</b> |          |
|                   | Aluminum     | 4.50              | <4.50               | U                    | 4.50            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Antimony     | 2.25              | <2.25               | U                    | 2.25            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Arsenic      | 0.90              | <0.90               | U                    | 0.90            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Barium       | 4.50              | <4.50               | U                    | 4.50            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Beryllium    | 0.27              | <0.27               | U                    | 0.27            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Cadmium      | 0.27              | <0.27               | U                    | 0.27            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Calcium      | 90.1              | <90.1               | U                    | 90.1            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Chromium     | 0.45              | <0.45               | U                    | 0.45            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Cobalt       | 1.35              | <1.35               | U                    | 1.35            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Copper       | 0.90              | <0.90               | U                    | 0.90            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Iron         | 4.50              | <4.50               | U                    | 4.50            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Lead         | 0.54              | <0.54               | U                    | 0.54            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Magnesium    | 90.1              | <90.1               | U                    | 90.1            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Manganese    | 0.90              | <0.90               | U                    | 0.90            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Nickel       | 1.80              | <1.80               | U                    | 1.80            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Potassium    | 90.1              | <90.1               | U                    | 90.1            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Selenium     | 0.90              | <0.90               | U                    | 0.90            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Silver       | 0.45              | <0.45               | U                    | 0.45            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Sodium       | 90.1              | <90.1               | U                    | 90.1            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Thallium     | 1.80              | <1.80               | U                    | 1.80            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Vanadium     | 1.80              | <1.80               | U                    | 1.80            | P | 10/24/2024        | 15:49             | LB133110 |
|                   | Zinc         | 1.80              | <1.80               | U                    | 1.80            | P | 10/24/2024        | 15:49             | LB133110 |

**Metals**  
**- 4 -**  
**INTERFERENCE CHECK SAMPLE**

|                                            |                                 |
|--------------------------------------------|---------------------------------|
| <b>Client:</b> <u>Yannuzzi Group, Inc.</u> | <b>SDG No.:</b> <u>P4474</u>    |
| <b>Contract:</b> <u>YANN01</u>             | <b>Lab Code:</b> <u>CHEM</u>    |
| <b>ICS Source:</b> <u>EPA</u>              | <b>Case No.:</b> <u>P4474</u>   |
|                                            | <b>SAS No.:</b> <u>P4474</u>    |
|                                            | <b>Instrument ID:</b> <u>P4</u> |

| Sample ID | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSA01    | Aluminum  | 245000         | 255000             | 96            | 216000                 | 294000                  | 10/24/2024       | 13:43            | LB133110      |
|           | Antimony  | 0.022          |                    |               | -50                    | 50                      | 10/24/2024       | 13:43            | LB133110      |
|           | Arsenic   | 4.95           |                    |               | -20                    | 20                      | 10/24/2024       | 13:43            | LB133110      |
|           | Barium    | 3.29           | 6.0                | 55            | -94                    | 106                     | 10/24/2024       | 13:43            | LB133110      |
|           | Beryllium | 1.29           |                    |               | -6                     | 6                       | 10/24/2024       | 13:43            | LB133110      |
|           | Cadmium   | 3.37           | 1.0                | 337           | -5                     | 7                       | 10/24/2024       | 13:43            | LB133110      |
|           | Calcium   | 227000         | 245000             | 93            | 208000                 | 282000                  | 10/24/2024       | 13:43            | LB133110      |
|           | Chromium  | 55.4           | 52.0               | 106           | 42                     | 62                      | 10/24/2024       | 13:43            | LB133110      |
|           | Cobalt    | 2.27           |                    |               | -30                    | 30                      | 10/24/2024       | 13:43            | LB133110      |
|           | Copper    | 8.59           | 2.0                | 430           | -18                    | 22                      | 10/24/2024       | 13:43            | LB133110      |
|           | Iron      | 101000         | 101000             | 100           | 85600                  | 116500                  | 10/24/2024       | 13:43            | LB133110      |
|           | Lead      | 9.27           |                    |               | -12                    | 12                      | 10/24/2024       | 13:43            | LB133110      |
|           | Magnesium | 246000         | 255000             | 96            | 216000                 | 294000                  | 10/24/2024       | 13:43            | LB133110      |
|           | Manganese | 3.89           | 7.0                | 56            | -13                    | 27                      | 10/24/2024       | 13:43            | LB133110      |
|           | Nickel    | 2.59           | 2.0                | 130           | -38                    | 42                      | 10/24/2024       | 13:43            | LB133110      |
|           | Potassium | -36.7          |                    |               | 0                      | 0                       | 10/24/2024       | 13:43            | LB133110      |
|           | Selenium  | -16.1          |                    |               | -20                    | 20                      | 10/24/2024       | 13:43            | LB133110      |
|           | Silver    | 0.37           |                    |               | -10                    | 10                      | 10/24/2024       | 13:43            | LB133110      |
|           | Sodium    | 4.15           |                    |               | 0                      | 0                       | 10/24/2024       | 13:43            | LB133110      |
|           | Thallium  | 3.67           |                    |               | -40                    | 40                      | 10/24/2024       | 13:43            | LB133110      |
|           | Vanadium  | 5.91           |                    |               | -40                    | 40                      | 10/24/2024       | 13:43            | LB133110      |
|           | Zinc      | 5.89           |                    |               | -40                    | 40                      | 10/24/2024       | 13:43            | LB133110      |
| ICSAB01   | Aluminum  | 256000         | 247000             | 104           | 209000                 | 285000                  | 10/24/2024       | 13:54            | LB133110      |
|           | Antimony  | 643            | 618                | 104           | 525                    | 711                     | 10/24/2024       | 13:54            | LB133110      |
|           | Arsenic   | 111            | 104                | 107           | 88.4                   | 120                     | 10/24/2024       | 13:54            | LB133110      |
|           | Barium    | 488            | 537                | 91            | 437                    | 637                     | 10/24/2024       | 13:54            | LB133110      |
|           | Beryllium | 482            | 495                | 97            | 420                    | 570                     | 10/24/2024       | 13:54            | LB133110      |
|           | Cadmium   | 981            | 972                | 101           | 826                    | 1120                    | 10/24/2024       | 13:54            | LB133110      |
|           | Calcium   | 232000         | 235000             | 99            | 199000                 | 271000                  | 10/24/2024       | 13:54            | LB133110      |
|           | Chromium  | 565            | 542                | 104           | 460                    | 624                     | 10/24/2024       | 13:54            | LB133110      |
|           | Cobalt    | 527            | 476                | 111           | 404                    | 548                     | 10/24/2024       | 13:54            | LB133110      |
|           | Copper    | 518            | 511                | 101           | 434                    | 588                     | 10/24/2024       | 13:54            | LB133110      |
|           | Iron      | 104000         | 99300              | 105           | 84400                  | 114500                  | 10/24/2024       | 13:54            | LB133110      |
|           | Lead      | 57.7           | 49.0               | 118           | 37                     | 61                      | 10/24/2024       | 13:54            | LB133110      |
|           | Magnesium | 249000         | 248000             | 100           | 210000                 | 286000                  | 10/24/2024       | 13:54            | LB133110      |
|           | Manganese | 471            | 507                | 93            | 430                    | 584                     | 10/24/2024       | 13:54            | LB133110      |
|           | Nickel    | 1040           | 954                | 109           | 810                    | 1100                    | 10/24/2024       | 13:54            | LB133110      |
|           | Potassium | -31.8          |                    |               | 0                      | 0                       | 10/24/2024       | 13:54            | LB133110      |
|           | Selenium  | 35.0           | 46.0               | 76            | 26                     | 66                      | 10/24/2024       | 13:54            | LB133110      |
|           | Silver    | 230            | 201                | 114           | 170                    | 232                     | 10/24/2024       | 13:54            | LB133110      |
|           | Sodium    | -3.02          |                    |               | 0                      | 0                       | 10/24/2024       | 13:54            | LB133110      |
|           | Thallium  | 99.3           | 108                | 92            | 68                     | 148                     | 10/24/2024       | 13:54            | LB133110      |

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client:

Yannuzzi Group, Inc.

SDG No.:

P4474

Contract:

YANN01

Lab Code:

CHEM

Case No.:

P4474

SAS No.:

P4474

ICS Source:

EPA

Instrument ID:

P4

| Sample ID | Analyte  | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Vanadium | 460            | 491                | 94            | 417                    | 565                     | 10/24/2024       | 13:54            | LB133110      |
|           | Zinc     | 918            | 952                | 96            | 809                    | 1095                    | 10/24/2024       | 13:54            | LB133110      |



# METAL QC DATA

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                            |                                   |                                                            |
|--------------------------------------------|-----------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>Yannuzzi Group, Inc.</u> | <b>level:</b> <u>low</u>          | <b>sdg no.:</b> <u>P4474</u>                               |
| <b>contract:</b> <u>YANN01</u>             | <b>lab code:</b> <u>CHEM</u>      | <b>case no.:</b> <u>P4474</u> <b>sas no.:</b> <u>P4474</u> |
| <b>matrix:</b> <u>Solid</u>                | <b>sample id:</b> <u>P4486-01</u> | <b>client id:</b> <u>EO-03-102224MS</u>                    |
| <b>Percent Solids for Sample:</b> 94.3     | <b>Spiked ID:</b> P4486-01MS      | <b>Percent Solids for Spike Sample:</b> 94.3               |

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | mg/Kg | 75 - 125               | 2120             |   | 2300             |   | 86.6           | -207          |      | P |
| Antimony  | mg/Kg | 75 - 125               | 30.6             |   | 2.47             | U | 34.6           | 88            |      | P |
| Arsenic   | mg/Kg | 75 - 125               | 29.4             |   | 0.93             | J | 34.6           | 82            |      | P |
| Barium    | mg/Kg | 75 - 125               | 18.1             |   | 12.5             |   | 8.7            | 65            | N    | P |
| Beryllium | mg/Kg | 75 - 125               | 6.76             |   | 0.15             | J | 8.7            | 76            |      | P |
| Cadmium   | mg/Kg | 75 - 125               | 7.93             |   | 0.13             | J | 8.7            | 90            |      | P |
| Calcium   | mg/Kg | 75 - 125               | 2760             |   | 3090             |   | 43.3           | -766          |      | P |
| Chromium  | mg/Kg | 75 - 125               | 17.6             |   | 3.25             |   | 17.3           | 83            |      | P |
| Cobalt    | mg/Kg | 75 - 125               | 10.5             |   | 2.27             |   | 8.7            | 95            |      | P |
| Copper    | mg/Kg | 75 - 125               | 18.1             |   | 7.61             |   | 13.0           | 81            |      | P |
| Iron      | mg/Kg | 75 - 125               | 3420             |   | 3830             |   | 130            | -314          |      | P |
| Lead      | mg/Kg | 75 - 125               | 50.3             |   | 13.3             |   | 43.3           | 86            |      | P |
| Magnesium | mg/Kg | 75 - 125               | 554              |   | 627              |   | 86.6           | -85           |      | P |
| Manganese | mg/Kg | 75 - 125               | 143              |   | 155              |   | 8.7            | -135          |      | P |
| Nickel    | mg/Kg | 75 - 125               | 24.3             |   | 3.50             |   | 21.6           | 96            |      | P |
| Potassium | mg/Kg | 75 - 125               | 639              |   | 272              |   | 430            | 85            |      | P |
| Selenium  | mg/Kg | 75 - 125               | 69.5             |   | 0.99             | U | 86.6           | 80            |      | P |
| Silver    | mg/Kg | 75 - 125               | 2.95             |   | 0.056            | J | 3.2            | 91            |      | P |
| Sodium    | mg/Kg | 75 - 125               | 391              |   | 306              |   | 130            | 65            | N    | P |
| Thallium  | mg/Kg | 75 - 125               | 73.8             |   | 1.97             | U | 86.6           | 85            |      | P |
| Vanadium  | mg/Kg | 75 - 125               | 14.2             |   | 4.45             |   | 13.0           | 75            |      | P |
| Zinc      | mg/Kg | 75 - 125               | 21.7             |   | 16.1             |   | 8.7            | 65            | N    | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

|                                            |                                   |                                                            |
|--------------------------------------------|-----------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>Yannuzzi Group, Inc.</u> | <b>level:</b> <u>low</u>          | <b>sdg no.:</b> <u>P4474</u>                               |
| <b>contract:</b> <u>YANN01</u>             | <b>lab code:</b> <u>CHEM</u>      | <b>case no.:</b> <u>P4474</u> <b>sas no.:</b> <u>P4474</u> |
| <b>matrix:</b> <u>Solid</u>                | <b>sample id:</b> <u>P4486-01</u> | <b>client id:</b> <u>EO-03-102224MSD</u>                   |
| <b>Percent Solids for Sample:</b> 94.3     | <b>Spiked ID:</b> P4486-01MSD     | <b>Percent Solids for Spike Sample:</b> 94.3               |

| Analyte   | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | mg/Kg | 75 - 125               | 2180          |   | 2300             |   | 89.5           | -132          |      | P |
| Antimony  | mg/Kg | 75 - 125               | 31.6          |   | 2.47             | U | 35.8           | 88            |      | P |
| Arsenic   | mg/Kg | 75 - 125               | 30.1          |   | 0.93             | J | 35.8           | 81            |      | P |
| Barium    | mg/Kg | 75 - 125               | 18.7          |   | 12.5             |   | 8.9            | 70            | N    | P |
| Beryllium | mg/Kg | 75 - 125               | 6.97          |   | 0.15             | J | 8.9            | 77            |      | P |
| Cadmium   | mg/Kg | 75 - 125               | 8.16          |   | 0.13             | J | 8.9            | 90            |      | P |
| Calcium   | mg/Kg | 75 - 125               | 2870          |   | 3090             |   | 44.7           | -496          |      | P |
| Chromium  | mg/Kg | 75 - 125               | 18.1          |   | 3.25             |   | 17.9           | 83            |      | P |
| Cobalt    | mg/Kg | 75 - 125               | 10.8          |   | 2.27             |   | 8.9            | 96            |      | P |
| Copper    | mg/Kg | 75 - 125               | 18.6          |   | 7.61             |   | 13.4           | 82            |      | P |
| Iron      | mg/Kg | 75 - 125               | 3510          |   | 3830             |   | 130            | -248          |      | P |
| Lead      | mg/Kg | 75 - 125               | 51.9          |   | 13.3             |   | 44.7           | 86            |      | P |
| Magnesium | mg/Kg | 75 - 125               | 576           |   | 627              |   | 89.5           | -57           |      | P |
| Manganese | mg/Kg | 75 - 125               | 148           |   | 155              |   | 8.9            | -73           |      | P |
| Nickel    | mg/Kg | 75 - 125               | 25.0          |   | 3.50             |   | 22.4           | 96            |      | P |
| Potassium | mg/Kg | 75 - 125               | 650           |   | 272              |   | 450            | 84            |      | P |
| Selenium  | mg/Kg | 75 - 125               | 71.3          |   | 0.99             | U | 89.5           | 80            |      | P |
| Silver    | mg/Kg | 75 - 125               | 3.01          |   | 0.056            | J | 3.4            | 87            |      | P |
| Sodium    | mg/Kg | 75 - 125               | 396           |   | 306              |   | 130            | 69            | N    | P |
| Thallium  | mg/Kg | 75 - 125               | 77.1          |   | 1.97             | U | 89.5           | 86            |      | P |
| Vanadium  | mg/Kg | 75 - 125               | 14.7          |   | 4.45             |   | 13.4           | 77            |      | P |
| Zinc      | mg/Kg | 75 - 125               | 22.3          |   | 16.1             |   | 8.9            | 69            | N    | P |



metals  
- 5a -  
MATRIX SPIKE SUMMARY

client: Yannuzzi Group, Inc. level: low sdg no.: P4474  
contract: YANN01 lab code: CHEM case no.: P4474 sas no.: P4474  
matrix: Solid sample id: P4489-01 client id: RT-2675MS  
Percent Solids for Sample: 90.8 Spiked ID: P4489-01MS Percent Solids for Spike Sample: 90.8

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | mg/Kg | 80 - 124               | 0.39             |   | 0.13             |   | 0.28           | 93            |      | CV |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

|                                            |                                   |                                                            |
|--------------------------------------------|-----------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>Yannuzzi Group, Inc.</u> | <b>level:</b> <u>low</u>          | <b>sdg no.:</b> <u>P4474</u>                               |
| <b>contract:</b> <u>YANN01</u>             | <b>lab code:</b> <u>CHEM</u>      | <b>case no.:</b> <u>P4474</u> <b>sas no.:</b> <u>P4474</u> |
| <b>matrix:</b> <u>Solid</u>                | <b>sample id:</b> <u>P4489-01</u> | <b>client id:</b> <u>RT-2675MSD</u>                        |
| <b>Percent Solids for Sample:</b> 90.8     | <b>Spiked ID:</b> P4489-01MSD     | <b>Percent Solids for Spike Sample:</b> 90.8               |

| Analyte | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | mg/Kg | 80 - 124               | 0.36          |   | 0.13             |   | 0.26           | 90            |      | CV |

**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

**Client:** Yannuzzi Group, Inc. **SDG No.:** P4474  
**Contract:** YANN01 **Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474  
**Matrix:** Solid **Level:** LOW **Client ID:** EO-03-102224A  
**Sample ID:** P4486-01 **Spiked ID:** P4486-01A

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Barium  | mg/Kg | 75 - 125               | 20.5             |   | 12.5             |   | 9.90           | 81            |      | P |
| Sodium  | mg/Kg | 75 - 125               | 441              |   | 306              |   | 150            | 90            |      | P |
| Zinc    | mg/Kg | 75 - 125               | 24.7             |   | 16.1             |   | 9.90           | 87            |      | P |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** Yannuzzi Group, Inc. **Level:** LOW **SDG No.:** P4474  
**Contract:** YANN01 **Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474  
**Matrix:** Solid **Sample ID:** P4486-01 **Client ID:** EO-03-102224DUP  
**Percent Solids for Sample:** 94.3 **Duplicate ID** P4486-01DUP **Percent Solids for Spike Sample:** 94.3

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD   | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-------|------|---|
| Aluminum  | mg/Kg | 20               | 2300          |   | 2130             |   | 8     |      | P |
| Antimony  | mg/Kg | 20               | 2.47          | U | 2.25             | U |       |      | P |
| Arsenic   | mg/Kg | 20               | 0.93          | J | 0.89             | J | 4     |      | P |
| Barium    | mg/Kg | 20               | 12.5          |   | 11.6             |   | 7     |      | P |
| Beryllium | mg/Kg | 20               | 0.15          | J | 0.14             | J | 7     |      | P |
| Cadmium   | mg/Kg | 20               | 0.13          | J | 0.13             | J | 1     |      | P |
| Calcium   | mg/Kg | 20               | 3090          |   | 2870             |   | 7     |      | P |
| Chromium  | mg/Kg | 20               | 3.25          |   | 2.98             |   | 9     |      | P |
| Cobalt    | mg/Kg | 20               | 2.27          |   | 2.10             |   | 8     |      | P |
| Copper    | mg/Kg | 20               | 7.61          |   | 7.18             |   | 6     |      | P |
| Iron      | mg/Kg | 20               | 3830          |   | 3470             |   | 10    |      | P |
| Lead      | mg/Kg | 20               | 13.3          |   | 12.3             |   | 8     |      | P |
| Magnesium | mg/Kg | 20               | 627           |   | 516              |   | 19    |      | P |
| Manganese | mg/Kg | 20               | 155           |   | 143              |   | 8     |      | P |
| Nickel    | mg/Kg | 20               | 3.50          |   | 3.24             |   | 8     |      | P |
| Potassium | mg/Kg | 20               | 272           |   | 245              |   | 10    |      | P |
| Selenium  | mg/Kg | 20               | 0.99          | U | 0.90             | U |       |      | P |
| Silver    | mg/Kg | 20               | 0.056         | J | 0.45             | U | 200.0 |      | P |
| Sodium    | mg/Kg | 20               | 306           |   | 280              |   | 9     |      | P |
| Thallium  | mg/Kg | 20               | 1.97          | U | 1.80             | U |       |      | P |
| Vanadium  | mg/Kg | 20               | 4.45          |   | 4.13             |   | 7     |      | P |
| Zinc      | mg/Kg | 20               | 16.1          |   | 14.7             |   | 9     |      | P |

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

**Client:** Yannuzzi Group, Inc. **Level:** LOW **SDG No.:** P4474  
**Contract:** YANN01 **Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474  
**Matrix:** Solid **Sample ID:** P4486-01MS **Client ID:** EO-03-102224MSD  
**Percent Solids for Sample:** 94.3 **Duplicate ID** P4486-01MSD **Percent Solids for Spike Sample:** 94.3

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | mg/Kg | 20               | 2120          |   | 2180             |   | 3   |      | P |
| Antimony  | mg/Kg | 20               | 30.6          |   | 31.6             |   | 3   |      | P |
| Arsenic   | mg/Kg | 20               | 29.4          |   | 30.1             |   | 2   |      | P |
| Barium    | mg/Kg | 20               | 18.1          |   | 18.7             |   | 3   |      | P |
| Beryllium | mg/Kg | 20               | 6.76          |   | 6.97             |   | 3   |      | P |
| Cadmium   | mg/Kg | 20               | 7.93          |   | 8.16             |   | 3   |      | P |
| Calcium   | mg/Kg | 20               | 2760          |   | 2870             |   | 4   |      | P |
| Chromium  | mg/Kg | 20               | 17.6          |   | 18.1             |   | 3   |      | P |
| Cobalt    | mg/Kg | 20               | 10.5          |   | 10.8             |   | 3   |      | P |
| Copper    | mg/Kg | 20               | 18.1          |   | 18.6             |   | 3   |      | P |
| Iron      | mg/Kg | 20               | 3420          |   | 3510             |   | 3   |      | P |
| Lead      | mg/Kg | 20               | 50.3          |   | 51.9             |   | 3   |      | P |
| Magnesium | mg/Kg | 20               | 554           |   | 576              |   | 4   |      | P |
| Manganese | mg/Kg | 20               | 143           |   | 148              |   | 3   |      | P |
| Nickel    | mg/Kg | 20               | 24.3          |   | 25.0             |   | 3   |      | P |
| Potassium | mg/Kg | 20               | 639           |   | 650              |   | 2   |      | P |
| Selenium  | mg/Kg | 20               | 69.5          |   | 71.3             |   | 3   |      | P |
| Silver    | mg/Kg | 20               | 2.95          |   | 3.01             |   | 2   |      | P |
| Sodium    | mg/Kg | 20               | 391           |   | 396              |   | 1   |      | P |
| Thallium  | mg/Kg | 20               | 73.8          |   | 77.1             |   | 4   |      | P |
| Vanadium  | mg/Kg | 20               | 14.2          |   | 14.7             |   | 3   |      | P |
| Zinc      | mg/Kg | 20               | 21.7          |   | 22.3             |   | 3   |      | P |

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

|                                   |                             |                     |                 |                                         |                   |
|-----------------------------------|-----------------------------|---------------------|-----------------|-----------------------------------------|-------------------|
| <b>Client:</b>                    | <u>Yannuzzi Group, Inc.</u> | <b>Level:</b>       | <u>LOW</u>      | <b>SDG No.:</b>                         | <u>P4474</u>      |
| <b>Contract:</b>                  | <u>YANN01</u>               | <b>Lab Code:</b>    | <u>CHEM</u>     | <b>Case No.:</b>                        | <u>P4474</u>      |
| <b>Matrix:</b>                    | <u>Solid</u>                | <b>Sample ID:</b>   | <u>P4489-01</u> | <b>Client ID:</b>                       | <u>RT-2675DUP</u> |
| <b>Percent Solids for Sample:</b> | 90.8                        | <b>Duplicate ID</b> | P4489-01DUP     | <b>Percent Solids for Spike Sample:</b> | 90.8              |

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | mg/Kg | 20               | 0.13          |   | 0.12             |   | 6   |      | CV |

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

|                                   |                             |                     |                   |                                         |                   |
|-----------------------------------|-----------------------------|---------------------|-------------------|-----------------------------------------|-------------------|
| <b>Client:</b>                    | <u>Yannuzzi Group, Inc.</u> | <b>Level:</b>       | <u>LOW</u>        | <b>SDG No.:</b>                         | <u>P4474</u>      |
| <b>Contract:</b>                  | <u>YANN01</u>               | <b>Lab Code:</b>    | <u>CHEM</u>       | <b>Case No.:</b>                        | <u>P4474</u>      |
| <b>Matrix:</b>                    | <u>Solid</u>                | <b>Sample ID:</b>   | <u>P4489-01MS</u> | <b>Client ID:</b>                       | <u>RT-2675MSD</u> |
| <b>Percent Solids for Sample:</b> | 90.8                        | <b>Duplicate ID</b> | P4489-01MSD       | <b>Percent Solids for Spike Sample:</b> | 90.8              |

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | mg/Kg | 20               | 0.39          |   | 0.36             |   | 7   |      | CV |

**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** Yannuzzi Group, Inc. **SDG No.:** P4474  
**Contract:** YANN01 **Lab Code:** CHEM **Case No.:** P4474 **SAS No.:** P4474

| Analyte    | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M |
|------------|-------|------------|--------|---|---------------|----------------------|---|
| PB164320BS |       |            |        |   |               |                      |   |
| Aluminum   | mg/Kg | 90.1       | 86.0   |   | 95            | 80 - 120             | P |
| Antimony   | mg/Kg | 36.0       | 35.8   |   | 99            | 80 - 120             | P |
| Arsenic    | mg/Kg | 36.0       | 33.5   |   | 93            | 80 - 120             | P |
| Barium     | mg/Kg | 9.0        | 8.29   |   | 92            | 80 - 120             | P |
| Beryllium  | mg/Kg | 9.0        | 8.36   |   | 93            | 80 - 120             | P |
| Cadmium    | mg/Kg | 9.0        | 8.19   |   | 91            | 80 - 120             | P |
| Calcium    | mg/Kg | 45.0       | 44.2   | J | 98            | 80 - 120             | P |
| Chromium   | mg/Kg | 18.0       | 17.8   |   | 99            | 80 - 120             | P |
| Cobalt     | mg/Kg | 9.0        | 8.89   |   | 99            | 80 - 120             | P |
| Copper     | mg/Kg | 13.5       | 14.2   |   | 105           | 80 - 120             | P |
| Iron       | mg/Kg | 140        | 136    |   | 97            | 80 - 120             | P |
| Lead       | mg/Kg | 45.0       | 42.1   |   | 94            | 80 - 120             | P |
| Magnesium  | mg/Kg | 90.1       | 79.5   | J | 88            | 80 - 120             | P |
| Manganese  | mg/Kg | 9.0        | 8.36   |   | 93            | 80 - 120             | P |
| Nickel     | mg/Kg | 22.5       | 22.4   |   | 100           | 80 - 120             | P |
| Potassium  | mg/Kg | 450        | 460    |   | 102           | 80 - 120             | P |
| Selenium   | mg/Kg | 90.1       | 85.5   |   | 95            | 80 - 120             | P |
| Silver     | mg/Kg | 3.4        | 3.50   |   | 103           | 80 - 120             | P |
| Sodium     | mg/Kg | 140        | 130    |   | 93            | 80 - 120             | P |
| Thallium   | mg/Kg | 90.1       | 85.1   |   | 94            | 80 - 120             | P |
| Vanadium   | mg/Kg | 13.5       | 12.1   |   | 90            | 80 - 120             | P |
| Zinc       | mg/Kg | 9.0        | 9.63   |   | 107           | 80 - 120             | P |



**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Contract:** YANN01

**Lab Code:** CHEM

**Case No.:** P4474

**SAS No.:** P4474

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB164361BS<br>Mercury | mg/Kg | 0.27       | 0.27   |   | 99            | 80 - 124             | CV |

**Metals**  
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**ICP SERIAL DILUTIONS**

SAMPLE NO.

EO-03-102224L

Lab Name: Chemtech Consulting Group

Contract: YANN01

Lab Code: CHEM Lb No.: lb133110 Lab Sample ID : P4486-01L SDG No.: P4474

Matrix (soil/water): Solid Level (low/med): LOW

Concentration Units: mg/Kg

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Difference | Q | M |
|-----------|---------------------------|---|----------------------------|---|--------------|---|---|
| Aluminum  | 2300                      |   | 2660                       |   | 16           |   | P |
| Antimony  | 2.47                      | U | 12.3                       | U |              |   | P |
| Arsenic   | 0.93                      | J | 4.93                       | U | 100.0        |   | P |
| Barium    | 12.5                      |   | 14.4                       | J | 15           |   | P |
| Beryllium | 0.15                      | J | 0.19                       | J | 25           |   | P |
| Cadmium   | 0.13                      | J | 0.085                      | J | 35           |   | P |
| Calcium   | 3090                      |   | 3640                       |   | 18           |   | P |
| Chromium  | 3.25                      |   | 3.82                       |   | 17           |   | P |
| Cobalt    | 2.27                      |   | 2.35                       | J | 4            |   | P |
| Copper    | 7.61                      |   | 9.26                       |   | 22           |   | P |
| Iron      | 3830                      |   | 4340                       |   | 13           |   | P |
| Lead      | 13.3                      |   | 14.4                       |   | 8            |   | P |
| Magnesium | 627                       |   | 663                        |   | 6            |   | P |
| Manganese | 155                       |   | 185                        |   | 20           |   | P |
| Nickel    | 3.50                      |   | 3.60                       | J | 3            |   | P |
| Potassium | 272                       |   | 297                        | J | 9            |   | P |
| Selenium  | 0.99                      | U | 4.93                       | U |              |   | P |
| Silver    | 0.056                     | J | 2.47                       | U | 100.0        |   | P |
| Sodium    | 306                       |   | 335                        | J | 9            |   | P |
| Thallium  | 1.97                      | U | 9.86                       | U |              |   | P |
| Vanadium  | 4.45                      |   | 4.92                       | J | 11           |   | P |
| Zinc      | 16.1                      |   | 18.5                       |   | 15           |   | P |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

**SAMPLE NO.**

RT-2675L

**Lab Name:** Chemtech Consulting Group

**Contract:** YANN01

**Lab Code:** CHEM **Lb No.:** lb133088

**Lab Sample ID :** P4489-01L **SDG No.:** P4474

**Matrix (soil/water):** Solid

**Level (low/med):** LOW

**Concentration Units:** mg/Kg

| Analyte | Initial Sample<br>Result (I)<br>C | Serial Dilution<br>Result (S)<br>C | % Differ-<br>ence | Q | M  |
|---------|-----------------------------------|------------------------------------|-------------------|---|----|
| Mercury | 0.13                              | 0.14                               | 4                 |   | CV |



# METAL PREPARATION & INSTRUMENT DATA

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Contract:** YANN01

**Lab Code:** CHEM

**Case No.:** P4474

**SAS No.:** P4474

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |            |           |           |
|-----------|-------------------------|------------------------------------------|------------|------------|-----------|-----------|
|           |                         | Al                                       | Ca         | Fe         | Mg        | Ag        |
| Aluminum  | 396.100                 | 0.0000000                                | -0.0002060 | 0.0000000  | 0.0000000 | 0.0000000 |
| Antimony  | 206.833                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                                | 0.0000000  | -0.0000440 | 0.0000000 | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000000  | 0.0000930  | 0.0000000 | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000  | -0.0075970 | 0.0000000 | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                                | 0.0000000  | 0.0007850  | 0.0000000 | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Lead      | 220.353                 | -0.0000920                               | 0.0000000  | 0.0000380  | 0.0000000 | 0.0000000 |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000  | -0.0001440 | 0.0000000 | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                                | 0.0000000  | -0.0001490 | 0.0000000 | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                                | 0.0000000  | 0.0001050  | 0.0000000 | 0.0000000 |

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Contract:** YANN01

**Lab Code:** CHEM

**Case No.:** P4474

**SAS No.:** P4474

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |            |
|-----------|-------------------------|------------------------------------------|-----------|-----------|-----------|------------|
|           |                         | As                                       | Ba        | Be        | Cd        | Co         |
| Aluminum  | 396.100                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Antimony  | 206.833                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Arsenic   | 193.759                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0002870  |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Copper    | 224.700                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0009530  |
| Iron      | 240.488                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | -0.0039600 |
| Lead      | 220.353                 | 0.0000000                                | 0.0003170 | 0.0000000 | 0.0000000 | 0.0000000  |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | -0.0003570 |
| Silver    | 328.068                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Thallium  | 190.856                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0054900  |
| Vanadium  | 292.402                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Zinc      | 213.800                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |

**Metals**

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**ICP INTERELEMEN CORRECTION FACTORS**

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Contract:** YANN01

**Lab Code:** CHEM

**Case No.:** P4474

**SAS No.:** P4474

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interement Correction Factors For: |           |           |            |            |
|-----------|-------------------------|----------------------------------------|-----------|-----------|------------|------------|
|           |                         | Cr                                     | Cu        | K         | Mn         | Mo         |
| Aluminum  | 396.100                 | 0.0000000                              | 0.0000000 | 0.0000590 | 0.0000000  | 0.0396900  |
| Antimony  | 206.833                 | 0.0122000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Arsenic   | 193.759                 | -0.0029000                             | 0.0000000 | 0.0000000 | 0.0000000  | 0.0004900  |
| Barium    | 493.409                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Beryllium | 234.861                 | 0.0000000                              | 0.0000000 | 0.0000000 | -0.0000710 | -0.0003400 |
| Cadmium   | 226.502                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Calcium   | 373.690                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Chromium  | 267.716                 | 0.0000000                              | 0.0000000 | 0.0000070 | 0.0002200  | 0.0000000  |
| Cobalt    | 228.616                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | -0.0007860 |
| Copper    | 224.700                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0006510  | 0.0020500  |
| Iron      | 240.488                 | 0.0000000                              | 0.0000000 | 0.0000730 | 0.0000000  | -0.0015250 |
| Lead      | 220.353                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0001400  | -0.0008600 |
| Magnesium | 279.079                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Manganese | 257.610                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Nickel    | 231.604                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Potassium | 766.490                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Selenium  | 196.090                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0007460  | 0.0000000  |
| Silver    | 328.068                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | -0.0000120 |
| Sodium    | 589.592                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Thallium  | 190.856                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0017400  | -0.0100400 |
| Vanadium  | 292.402                 | -0.0025100                             | 0.0000000 | 0.0000000 | 0.0000000  | -0.0072000 |
| Zinc      | 213.800                 | 0.0000000                              | 0.0009010 | 0.0000000 | 0.0000000  | 0.0000000  |

**Metals**

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**ICP INTERELEMEN CORRECTION FACTORS**

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Contract:** YANN01

**Lab Code:** CHEM

**Case No.:** P4474

**SAS No.:** P4474

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interement Correction Factors For: |            |           |           |           |
|-----------|-------------------------|----------------------------------------|------------|-----------|-----------|-----------|
|           |                         | Na                                     | Ni         | Pb        | Sb        | Se        |
| Aluminum  | 396.100                 | 0.0000000                              | 0.0000000  | 0.0012800 | 0.0000000 | 0.0000000 |
| Antimony  | 206.833                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                              | -0.0047000 | 0.0036100 | 0.0000000 | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                              | -0.0017000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead      | 220.353                 | 0.0000000                              | 0.0006580  | 0.0000000 | 0.0000000 | 0.0001290 |
| Magnesium | 279.079                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                              | 0.0000000  | 0.0003330 | 0.0000000 | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                              | 0.0067600  | 0.0000000 | 0.0000000 | 0.0000000 |



**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Contract:** YANN01

**Lab Code:** CHEM

**Case No.:** P4474

**SAS No.:** P4474

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |           |            |           |
|-----------|-------------------------|------------------------------------------|------------|-----------|------------|-----------|
|           |                         | Sn                                       | Ti         | Tl        | V          | Zn        |
| Aluminum  | 396.100                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Antimony  | 206.833                 | -0.0035600                               | -0.0007970 | 0.0000000 | -0.0018900 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000630  | 0.0001280 | 0.0000000  | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0001110  | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0018800  | 0.0000000 | 0.0000000  | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                                | 0.0003840  | 0.0000000 | 0.0000000  | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Lead      | 220.353                 | 0.0000000                                | -0.0003610 | 0.0000000 | 0.0000000  | 0.0000000 |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                                | -0.0007420 | 0.0000000 | 0.0000000  | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                                | -0.0039700 | 0.0000000 | -0.0115600 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                                | 0.0005320  | 0.0000000 | 0.0000000  | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |

METAL  
PREPARATION &  
ANALYICAL  
SUMMARY

**Metals**

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**SAMPLE PREPARATION SUMMARY**

|                  |                             |                  |              |
|------------------|-----------------------------|------------------|--------------|
| <b>Client:</b>   | <u>Yannuzzi Group, Inc.</u> | <b>SDG No.:</b>  | <u>P4474</u> |
| <b>Contract:</b> | <u>YANN01</u>               | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                             | <b>Method:</b>   | <u></u>      |
|                  |                             | <b>Case No.:</b> | <u>P4474</u> |
|                  |                             | <b>SAS No.:</b>  | <u>P4474</u> |

| Sample ID                     | Client ID       | Sample Type | Matrix | Prep Date  | Initial Sample Size(g) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|-----------------|-------------|--------|------------|------------------------|--------------------------|----------------|
| <b>Batch Number: PB164320</b> |                 |             |        |            |                        |                          |                |
| P4474-01                      | TS-2            | SAM         | SOLID  | 10/23/2024 | 2.28                   | 100.0                    | 48.20          |
| P4486-01DUP                   | EO-03-102224DUP | DUP         | SOLID  | 10/23/2024 | 2.36                   | 100.0                    | 94.30          |
| P4486-01MS                    | EO-03-102224MS  | MS          | SOLID  | 10/23/2024 | 2.45                   | 100.0                    | 94.30          |
| P4486-01MSD                   | EO-03-102224MSD | MSD         | SOLID  | 10/23/2024 | 2.37                   | 100.0                    | 94.30          |
| PB164320BL                    | PB164320BL      | MB          | SOLID  | 10/23/2024 | 2.22                   | 100.0                    | 100.00         |
| PB164320BS                    | PB164320BS      | LCS         | SOLID  | 10/23/2024 | 2.22                   | 100.0                    | 100.00         |

**Metals**

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**SAMPLE PREPARATION SUMMARY**

|                  |                             |                  |              |
|------------------|-----------------------------|------------------|--------------|
| <b>Client:</b>   | <u>Yannuzzi Group, Inc.</u> | <b>SDG No.:</b>  | <u>P4474</u> |
| <b>Contract:</b> | <u>YANN01</u>               | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                             | <b>Method:</b>   | <u></u>      |
|                  |                             | <b>Case No.:</b> | <u>P4474</u> |
|                  |                             | <b>SAS No.:</b>  | <u>P4474</u> |

| Sample ID                     | Client ID  | Sample Type | Matrix | Prep Date  | Initial Sample Size(g) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|------------|-------------|--------|------------|------------------------|--------------------------|----------------|
| <b>Batch Number: PB164361</b> |            |             |        |            |                        |                          |                |
| P4474-01                      | TS-2       | SAM         | SOLID  | 10/24/2024 | 0.53                   | 35.0                     | 48.20          |
| P4489-01DUP                   | RT-2675DUP | DUP         | SOLID  | 10/24/2024 | 0.55                   | 35.0                     | 90.80          |
| P4489-01MS                    | RT-2675MS  | MS          | SOLID  | 10/24/2024 | 0.55                   | 35.0                     | 90.80          |
| P4489-01MSD                   | RT-2675MSD | MSD         | SOLID  | 10/24/2024 | 0.59                   | 35.0                     | 90.80          |
| PB164361BL                    | PB164361BL | MB          | SOLID  | 10/24/2024 | 0.56                   | 35.0                     | 100.00         |
| PB164361BS                    | PB164361BS | LCS         | SOLID  | 10/24/2024 | 0.52                   | 35.0                     | 100.00         |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** Yannuzzi Group, Inc. **Contract:** YANN01

**Lab code:** CHEM **Case no.:** P4474 **Sas no.:** P4474 **Sdg no.:** P4474

**Instrument id number:**                      **Method:**                      **Run number:** LB133088

**Start date:** 10/24/2024 **End date:** 10/24/2024

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|----------------|------------------|-----|------|----------------|
| S0             | S0               | 1   | 0828 | HG             |
| S0.2           | S0.2             | 1   | 0831 | HG             |
| S2.5           | S2.5             | 1   | 0833 | HG             |
| S5             | S5               | 1   | 0835 | HG             |
| S7.5           | S7.5             | 1   | 0837 | HG             |
| S10            | S10              | 1   | 0840 | HG             |
| ICV50          | ICV50            | 1   | 0843 | HG             |
| ICB50          | ICB50            | 1   | 0845 | HG             |
| CCV62          | CCV62            | 1   | 0847 | HG             |
| CCB62          | CCB62            | 1   | 0850 | HG             |
| CRA            | CRA              | 1   | 0852 | HG             |
| PB164361BL     | PB164361BL       | 1   | 0901 | HG             |
| PB164361BS     | PB164361BS       | 1   | 0904 | HG             |
| P4474-01       | TS-2             | 1   | 0913 | HG             |
| CCV63          | CCV63            | 1   | 0920 | HG             |
| CCB63          | CCB63            | 1   | 0922 | HG             |
| P4489-01DUP    | RT-2675DUP       | 1   | 0931 | HG             |
| P4489-01MS     | RT-2675MS        | 1   | 0936 | HG             |
| P4489-01MSD    | RT-2675MSD       | 1   | 0941 | HG             |
| CCV64          | CCV64            | 1   | 0953 | HG             |
| CCB64          | CCB64            | 1   | 0955 | HG             |
| P4489-01L      | RT-2675L         | 5   | 1019 | HG             |
| CCV65          | CCV65            | 1   | 1024 | HG             |
| CCB65          | CCB65            | 1   | 1026 | HG             |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** Yannuzzi Group, Inc. **Contract:** YANN01

**Lab code:** CHEM **Case no.:** P4474 **Sas no.:** P4474 **Sdg no.:** P4474

**Instrument id number:**                      **Method:**                      **Run number:** LB133110

**Start date:** 10/24/2024 **End date:** 10/25/2024

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list                                                  |
|----------------|------------------|-----|------|-----------------------------------------------------------------|
| S0             | S0               | 1   | 1214 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S1             | S1               | 1   | 1218 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2             | S2               | 1   | 1223 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3             | S3               | 1   | 1227 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4             | S4               | 1   | 1231 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5             | S5               | 1   | 1235 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICV01          | ICV01            | 1   | 1326 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV01        | LLICV01          | 1   | 1330 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01          | ICB01            | 1   | 1334 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI01          | CRI01            | 1   | 1338 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01         | ICSA01           | 1   | 1343 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01        | ICSAB01          | 1   | 1354 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01          | CCV01            | 1   | 1406 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01          | CCB01            | 1   | 1411 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P4474-01       | TS-2             | 1   | 1444 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02          | CCV02            | 1   | 1453 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02          | CCB02            | 1   | 1457 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV03          | CCV03            | 1   | 1506 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB03          | CCB03            | 1   | 1512 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P4486-01DUP    | EO-03-102224DUP  | 1   | 1521 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P4486-01L      | EO-03-102224L    | 5   | 1525 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P4486-01MS     | EO-03-102224MS   | 1   | 1529 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P4486-01MSD    | EO-03-102224MSD  | 1   | 1533 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P4486-01A      | EO-03-102224A    | 1   | 1537 | Ba,Na,Zn                                                        |
| PB164320BL     | PB164320BL       | 1   | 1549 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB164320BS     | PB164320BS       | 1   | 1554 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV04          | CCV04            | 1   | 1558 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB04          | CCB04            | 1   | 1602 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV05          | CCV05            | 1   | 1655 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB05          | CCB05            | 1   | 1659 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV06          | CCV06            | 1   | 1746 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB06          | CCB06            | 1   | 1750 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV07          | CCV07            | 1   | 1837 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB07          | CCB07            | 1   | 1841 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV08          | CCV08            | 1   | 1932 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB08          | CCB08            | 1   | 1945 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV09          | CCV09            | 1   | 2031 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB09          | CCB09            | 1   | 2036 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV10          | CCV10            | 1   | 2122 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB10          | CCB10            | 1   | 2128 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV11          | CCV11            | 1   | 2215 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** Yannuzzi Group, Inc. **Contract:** YANN01

**Lab code:** CHEM **Case no.:** P4474 **Sas no.:** P4474 **Sdg no.:** P4474

**Instrument id number:**                      **Method:**                      **Run number:** LB133110

**Start date:** 10/24/2024 **End date:** 10/25/2024

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list                                                  |
|----------------|------------------|-----|------|-----------------------------------------------------------------|
| CCB11          | CCB11            | 1   | 2220 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV12          | CCV12            | 1   | 2309 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB12          | CCB12            | 1   | 2313 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV13          | CCV13            | 1   | 2358 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB13          | CCB13            | 1   | 0002 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV14          | CCV14            | 1   | 0052 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB14          | CCB14            | 1   | 0056 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV15          | CCV15            | 1   | 0145 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB15          | CCB15            | 1   | 0150 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV16          | CCV16            | 1   | 0244 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB16          | CCB16            | 1   | 0248 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |



LAB CHRONICLE

|          |                      |            |                                  |
|----------|----------------------|------------|----------------------------------|
| OrderID: | P4474                | OrderDate: | 10/21/2024 3:19:00 PM            |
| Client:  | Yannuzzi Group, Inc. | Project:   | 86 Davidson Road, Piscataway, NJ |
| Contact: | Rafael Nunez         | Location:  | K61                              |

| LabID    | ClientID | Matrix | Test    | Method | Sample Date       | Prep Date | Anal Date         | Received |
|----------|----------|--------|---------|--------|-------------------|-----------|-------------------|----------|
| P4474-01 | TS-2     | SOIL   |         |        | 10/18/24<br>10:05 |           |                   | 10/21/24 |
|          |          |        | Cyanide | 9012B  |                   | 10/22/24  | 10/23/24<br>12:27 |          |





# SAMPLE DATA

A

B

C

D

## Report of Analysis

|                   |                                  |                 |                |
|-------------------|----------------------------------|-----------------|----------------|
| Client:           | Yannuzzi Group, Inc.             | Date Collected: | 10/18/24 10:05 |
| Project:          | 86 Davidson Road, Piscataway, NJ | Date Received:  | 10/21/24       |
| Client Sample ID: | TS-2                             | SDG No.:        | P4474          |
| Lab Sample ID:    | P4474-01                         | Matrix:         | SOIL           |
|                   |                                  | % Solid:        | 48.2           |

| Parameter | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met. |
|-----------|-------|------|----|-------|------------|-------------------|----------------|----------------|----------|
| Cyanide   | 0.26  | J    | 1  | 0.087 | 0.49       | mg/Kg             | 10/22/24 11:00 | 10/23/24 12:27 | 9012B    |

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

# QC RESULT SUMMARY

## Initial and Continuing Calibration Verification

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Project:** 86 Davidson Road, Piscataway, NJ

**RunNo.:** LB133078

| Analyte               |      | Units | Result | True Value | %<br>Recovery | Acceptance<br>Window (%R) | Analysis<br>Date |
|-----------------------|------|-------|--------|------------|---------------|---------------------------|------------------|
| Sample ID:<br>Cyanide | ICV1 | mg/L  | 0.095  | 0.099      | 96            | 90-110                    | 10/23/2024       |
| Sample ID:<br>Cyanide | CCV1 | mg/L  | 0.24   | 0.25       | 96            | 90-110                    | 10/23/2024       |
| Sample ID:<br>Cyanide | CCV2 | mg/L  | 0.25   | 0.25       | 100           | 90-110                    | 10/23/2024       |

### Initial and Continuing Calibration Blank Summary

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Project:** 86 Davidson Road, Piscataway, NJ

**RunNo.:** LB133078

| Analyte    |             | Units | Result | Acceptance<br>Limits | Conc<br>Qual | MDL     | RDL   | Analysis<br>Date |
|------------|-------------|-------|--------|----------------------|--------------|---------|-------|------------------|
| Sample ID: | <b>ICB1</b> |       |        |                      |              |         |       |                  |
| Cyanide    |             | mg/L  | 0.001  | 0.0025               | J            | 0.00099 | 0.005 | 10/23/2024       |
| Sample ID: | <b>CCB1</b> |       |        |                      |              |         |       |                  |
| Cyanide    |             | mg/L  | 0.0011 | 0.0025               | J            | 0.00099 | 0.005 | 10/23/2024       |
| Sample ID: | <b>CCB2</b> |       |        |                      |              |         |       |                  |
| Cyanide    |             | mg/L  | 0.001  | 0.0025               | J            | 0.00099 | 0.005 | 10/23/2024       |

### Preparation Blank Summary

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Project:** 86 Davidson Road, Piscataway, NJ

| Analyte               | Units                      | Result   | Acceptance<br>Limits | Conc<br>Qual | MDL   | RDL  | Analysis<br>Date |
|-----------------------|----------------------------|----------|----------------------|--------------|-------|------|------------------|
| Sample ID:<br>Cyanide | <b>PB164332BL</b><br>mg/Kg | < 0.1250 | 0.1250               | U            | 0.044 | 0.25 | 10/23/2024       |

### Matrix Spike Summary

|                   |                                  |                                         |          |
|-------------------|----------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Yannuzzi Group, Inc.             | <b>SDG No.:</b>                         | P4474    |
| <b>Project:</b>   | 86 Davidson Road, Piscataway, NJ | <b>Sample ID:</b>                       | P4473-01 |
| <b>Client ID:</b> | TS-1MS                           | <b>Percent Solids for Spike Sample:</b> | 48.8     |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|---------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Cyanide | mg/Kg | 75-125                 | 4.80             |                    | 0.78             |                    | 4              | 1                  | 101      |      | 10/23/2024       |

### Matrix Spike Summary

|                   |                                  |                                         |          |
|-------------------|----------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Yannuzzi Group, Inc.             | <b>SDG No.:</b>                         | P4474    |
| <b>Project:</b>   | 86 Davidson Road, Piscataway, NJ | <b>Sample ID:</b>                       | P4473-01 |
| <b>Client ID:</b> | TS-1MSD                          | <b>Percent Solids for Spike Sample:</b> | 48.8     |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|---------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Cyanide | mg/Kg | 75-125                 | 4.90             |                    | 0.78             |                    | 4.1            | 1                  | 100      |      | 10/23/2024       |



### Duplicate Sample Summary

|                   |                                  |                                         |          |
|-------------------|----------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Yannuzzi Group, Inc.             | <b>SDG No.:</b>                         | P4474    |
| <b>Project:</b>   | 86 Davidson Road, Piscataway, NJ | <b>Sample ID:</b>                       | P4473-01 |
| <b>Client ID:</b> | TS-1DUP                          | <b>Percent Solids for Spike Sample:</b> | 48.8     |

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| Cyanide | mg/Kg | +/-20               | 0.78             |                    | 0.76                |                    | 1                  | 3          |      | 10/23/2024       |

## Duplicate Sample Summary

|                   |                                  |                                         |          |
|-------------------|----------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Yannuzzi Group, Inc.             | <b>SDG No.:</b>                         | P4474    |
| <b>Project:</b>   | 86 Davidson Road, Piscataway, NJ | <b>Sample ID:</b>                       | P4473-01 |
| <b>Client ID:</b> | TS-1MSD                          | <b>Percent Solids for Spike Sample:</b> | 48.8     |

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| Cyanide | mg/Kg | +/-20               | 4.80             |                    | 4.90                |                    | 1                  | 2          |      | 10/23/2024       |

### Laboratory Control Sample Summary

**Client:** Yannuzzi Group, Inc.

**SDG No.:** P4474

**Project:** 86 Davidson Road, Piscataway, NJ

**Run No.:** LB133078

| Analyte   | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | PB164332BS |            |        |                 |            |                 |                     |               |
| Cyanide   | mg/Kg      | 5          | 4.80   |                 | 96         | 1               | 85-115              | 10/23/2024    |