



**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
U.S. EPA/PA DEP #06-00003

# Certificate of Analysis

**Laboratory No.:** 9019778

**Report:** 07/02/19

**Lab Contact:** Bradley T Griffiths

**Attention:** Rusty Taft  
**Reported To:** New Enterprise Stone & Lime Co., Inc.  
3580 Division Hwy.  
East Earl, PA 17519

**Project Info:** Kutztown Discharge\_Rush VOAs

**Lab ID:** 9019778-01    **Collected By:** Client    **Sampled:** 06/25/19 08:15    **Received:** 06/27/19 13:10  
**Sample Desc:** Kutztown Discharge    **Sample Type:** Grab

|                             | Result | Unit | Rep. Limit | Analysis Method | Analyzed | Notes | Analyst |
|-----------------------------|--------|------|------------|-----------------|----------|-------|---------|
| <b>Volatiles</b>            |        |      |            |                 |          |       |         |
| 1,1,1,2-Tetrachloroethane   | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,1,1-Trichloroethane       | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,1,2,2-Tetrachloroethane   | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,1,2-Trichloroethane       | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,1-Dichloroethane          | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,1-Dichloroethene          | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,1-Dichloropropene         | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,2,3-Trichlorobenzene      | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,2,3-Trichloropropane      | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,2,4-Trichlorobenzene      | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,2,4-Trimethylbenzene      | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,2-Dichlorobenzene         | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,2-Dichloroethane          | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,2-Dichloropropane         | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,3,5-Trimethylbenzene      | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,3-Dichlorobenzene         | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,3-Dichloropropane         | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 1,4-Dichlorobenzene         | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 2,2-Dichloropropane         | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 2-Butanone (MEK)            | <10.0  | ug/l | 10.0       | EPA 624         | 06/27/19 |       | GXF     |
| 2-Chlorotoluene             | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 2-Hexanone                  | <2.0   | ug/l | 2.0        | EPA 624         | 06/27/19 |       | GXF     |
| 4-Chlorotoluene             | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| 4-Methyl-2-pentanone (MIBK) | <10.0  | ug/l | 10.0       | EPA 624         | 06/27/19 |       | GXF     |
| Acetone                     | <10.0  | ug/l | 10.0       | EPA 624         | 06/27/19 |       | GXF     |
| Allyl Chloride              | <1.0   | ug/l | 1.0        | EPA 624         | 06/27/19 |       | GXF     |
| Benzene                     | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Bromobenzene                | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |



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**M.J. Reider Associates, Inc.**

Lab ID: 9019778-01 Continued

|                                      | Result | Unit | Rep. Limit | Analysis Method | Analyzed | Notes | Analyst |
|--------------------------------------|--------|------|------------|-----------------|----------|-------|---------|
| <b>Volatiles</b>                     |        |      |            |                 |          |       |         |
| Bromochloromethane                   | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Bromodichloromethane                 | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Bromoform                            | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Bromomethane (Methyl Bromide)        | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Carbon Disulfide                     | <1.0   | ug/l | 1.0        | EPA 624         | 06/27/19 |       | GXF     |
| Carbon Tetrachloride                 | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Chlorobenzene                        | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Chloroethane                         | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Chloroform                           | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Chloromethane (Methyl Chloride)      | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 | V-01  | GXF     |
| Cis-1,2-Dichloroethene               | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Cis-1,3-Dichloropropene              | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Dibromochloromethane                 | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Dibromomethane                       | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Dichlorodifluoromethane              | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 | V-01  | GXF     |
| Ethylbenzene                         | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Hexachlorobutadiene                  | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Isopropylbenzene (Cumene)            | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| m+p-Xylene                           | <1.0   | ug/l | 1.0        | EPA 624         | 06/27/19 |       | GXF     |
| Methyl Tert-Butyl Ether (MTBE)       | <1.0   | ug/l | 1.0        | EPA 624         | 06/27/19 |       | GXF     |
| Methylene Chloride (Dichloromethane) | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Naphthalene                          | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| N-Butylbenzene                       | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| N-Propylbenzene                      | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| o-Xylene                             | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| p-Isopropyltoluene                   | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Sec-Butylbenzene                     | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Styrene                              | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Tert-Butylbenzene                    | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Tetrachloroethene (PCE)              | 2.4    | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Tetrahydrofuran (THF)                | <2.0   | ug/l | 2.0        | EPA 624         | 06/27/19 |       | GXF     |
| Toluene                              | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Trans-1,2-Dichloroethene             | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Trans-1,3-Dichloropropene            | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Trichloroethene (TCE)                | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Trichlorofluoromethane               | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |



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Lab ID: 9019778-01 Continued

|                | Result | Unit | Rep. Limit | Analysis Method | Analyzed | Notes | Analyst |
|----------------|--------|------|------------|-----------------|----------|-------|---------|
| Volatiles      |        |      |            |                 |          |       |         |
| Vinyl Chloride | <0.5   | ug/l | 0.5        | EPA 624         | 06/27/19 |       | GXF     |
| Xylenes, Total | <1.0   | ug/l | 1.0        | EPA 624         | 06/27/19 |       | GXF     |

**Notes and Definitions**

V-01 For the EPA 624 procedure, the ccv recoveries were outside of the acceptable range of +/- 30% difference: Chloromethane(132%), and Dichlorodifluoromethane(166%) .



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