BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

July 6, 2020

Mr. Todd M. Caffoe, P.E.
Project Manager
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

VIA EMAIL: ToddCaffoe@dec.ny.gov

Re: Former Brainerd Manufacturing Site #V00519-8
115 North Washington Street, East Rochester, NY
Summary of Decommissioning and Semi-Annual Groundwater Monitoring

Dear Mr. Caffoe:

The New York State Department of Environmental Conservation (NYSDEC) April 7, 2020 letter approves decommissioning the IRM pump and treat system but requires continued annual monitoring of wells MW-5, MW-6, and MW-12. In subsequent emails, NYSDEC agreed to three semi-annual groundwater monitoring events and grouting the unused wells in place per NYSDEC CP-43 guidance. On behalf of Despatch Industries Inc., Benchmark Environmental Engineering & Science, PLLC (Benchmark) is herein providing a summary of the treatment system and monitoring well decommissioning that took place in April 2020 as well as the first of three semi-annual groundwater monitoring events performed at the Site on June 11, 2020.

TREATMENT SYSTEM AND MONITORING WELL DECOMMISSIONING

With oversight by Benchmark, Nothnagle Drilling grouted the following wells in-place:

- April 14, 2020: on-site groundwater monitoring well MW-1
- April 20, 2020: off-site groundwater monitoring wells MW-9, MW-10, MW-11, MW-13, MW-14, MW-15, and MW-16
- April 21, 2020: groundwater pumping wells PW-1R and PW-2, and observation wells OW-1 and OW-2
- April 22, 2020: former groundwater pumping well PW-1; on-site groundwater monitoring wells MW-3 and MW-4; and off-site groundwater monitoring well MW-7

On April 23-24, 2020, Benchmark personnel removed the pretreatment system equipment (i.e., day tank, air stripper, and pumps) from the facility. All associated discharge piping was terminated. Attachment 1 includes the May 14, 2020 letter sent to Monroe County Department

of Environmental Services describing the pretreatment system decommissioning including photographs and well abandonment logs.

SAMPLING EVENT

On June 11, 2020, Benchmark collected groundwater samples from former source area wells MW-5 and MW-6 as well as downgradient off-site well MW-12. Water level elevations were measured before sampling to prepare the isopotential map showing groundwater flow direction (see Figure 1). The groundwater samples were sent to Eurofins/TestAmerica for analysis of Target Compound List (TCL) volatile organic compounds (VOCs).

GROUNDWATER MONITORING RESULTS

Attachment 2 includes the field sampling forms and analytical data. Table 1 provides a comparison of historic, pre-injection, and post-injection groundwater analytical results to NYSDEC Class GA groundwater quality standards and guidance values (GWQS/GVs). As indicated, tetrachloroethene (PCE) was detected at concentrations below its GWQS (5 ug/L) in wells MW-5 and MW-6. The PCE concentrations in well MW-12 (31 ug/L) was reduced by 50% as compared to the November 2019 result (68 ug/L). Trichloroethene (TCE) was detected at concentrations below its GWQS (5 ug/L) in MW-5[1] as well as MW-12 and was not detected in MW-6. The data show significant concentration reductions in downgradient well MW-12. Figure 1 shows groundwater flowing in a northwest direction, which is consistent with past monitoring events.

RECOMMENDATIONS

Benchmark will continue semi-annual groundwater monitoring with two additional groundwater sampling events scheduled for December 2020 and June 2021.

Please contact us if you have any questions or require additional information.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC

Thomas H. Forbes, P.E.
Principal Engineer

Lori E. Riker, P.E.
Sr. Project Manager

ec: Bernette Schilling (NYSDEC Region 8)
Justin Deming (NYSDOH)
Steven Berninger (NYSDOH)
Alan Shaffer (Despatch)
Amy Shaffer (Despatch)
Wade Lippman
File: 0040-002-400

[1] November 25, 2019 data were deemed suspect for well MW-5; resampling in December 2019 confirmed non-detect levels consistent with the prior post-injection events.

TABLE

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 1

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Former Brainerd Manufacturing Facility
East Rochester, New York

Parameter[1]	GWQS/GV[2]	MW-5																
		Historic Groundwater Sampling Events									Pre-Injection	Post-Injection						
		08/22/06	01/30/12	03/05/13	06/26/13	9/25/13	12/04/13	06/04/14	06/04/15	06/28/16	07/10/17	11/30/17	02/27/18	06/04/18	07/23/19	11/25/19	12/11/19	06/11/20
TCL Volatile Organic Compounds (ug/L)																		
Acetone	**50**	ND	ND	ND	ND	ND	3.4 J	3.3 J	ND	ND	7.3 J	**200**	**200**	**63 J**	ND	ND	6.8 J	6.9 J
Bromodichloromethane	**5**	ND	ND	0.51 J	ND	ND	ND	ND	ND	0.54 J	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	**50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**71 J**	**320**	45 J	ND	ND	ND	ND
Carbon Disulfide	**60**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND	ND
Chloroform	**7**	1.4 J	1.3	**18**	ND	ND	ND	ND	ND	0.98 J	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Acetate	**NR**	ND	ND	ND	ND	ND	ND	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	ND	ND	ND	ND	ND	0.51 J	0.71 J	ND	ND	ND	*ND < 5.1*	*ND < 5.1*	*ND < 5.1*	ND	ND	ND	ND
Tetrachloroethene	**5**	**1,600**	**2,800**	**590**	**400**	**150**	**110**	**50**	**40**	**530 D**	**14**	ND	ND	ND	ND	**45**	ND	0.41 J
Trichloroethene	**5**	**1,400**	**1,500**	**260**	**240**	**59**	**52**	**23**	**20**	**330 D**	**8.5**	ND	ND	ND	ND	**44**	ND	0.56 J
Trichlorofluoromethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethene	**5**	0.56 J	0.67 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichlorethene	**5**	0.80 J	0.95 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*ND < 9.0*	*ND < 9.0*	*ND < 9.0*	ND	ND	ND	ND
1,1,1-Trichloroethane	**5**	**11**	**6.3 J**	1.3	ND	ND	ND	ND	ND	1.5	ND	*ND < 8.2*	*ND < 8.2*	*ND < 8.2*	ND	ND	ND	ND
1,1,2-Trichloroethane	**1**	**1.5 J**	ND	ND	ND	ND	ND	ND	ND	0.57 J	ND	*ND < 2.3*	*ND < 2.3*	*ND < 2.3*	ND	ND	ND	ND
1,1 Dichloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Site COCs (cVOCs)[3]	--	3,000	4,302	850	640	209	162	73	60	860	23	0	0	0	0	89	0	1

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. NYSDEC Class "GA" Groundwater Quality Standards/Guidance Values (GWQS/GV), 6 NYCRR Part 703.
3. Sum of chlorinated VOCs means adding the concentrations of tetrachloroethene, trichloroethene, cis & trans-1,2-dichlorethene, and 1,1-dichloroethene.
4. Sampling occurred following 1/11/2019 injection of PlumeStop directly into well MW-6 and redevelopment on 2/8/19.

Definitions:

J = Estimated value; result is less than the sample quantitation limit but greater than zero.
ND = parameter not detected above laboratory detection limit.
NR = parameter not regulated by 6NYCRR TOGS 1.1.1 Part 703
"--" = Not analyzed

BOLD = Analytical result exceeds individual GWQS/GV; or potentially exceeds if the MDL is above the GWQS/GV.

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 1

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Former Brainerd Manufacturing Facility
East Rochester, New York

Parameter[1]	GWQS/GV[2]	MW-6																			
		Historic Groundwater Sampling Events											Pre-Injection	Post-Injection							
		08/22/06	01/30/12	Blind Dup 1-30-12	03/05/13	06/26/13	09/25/13	12/04/13	06/04/14	Blind Dup 6-4-14	06/04/15	06/28/16	07/10/17	11/30/17	02/27/18	06/04/18	08/08/18	10/29/18	2/22/19 [4]	07/23/19	11/25/19	06/11/20
TCL Volatile Organic Compounds (ug/L)																						
Acetone	**50**	ND	ND	ND	ND	ND	ND	5.0 J	ND	ND	ND	ND	ND	*ND < 150*	49	12 J	ND	ND	ND	ND	ND	5.4 J
Bromodichloromethane	**5**	ND	4.4	4.6	0.47 J	ND	ND	ND	ND	ND	ND	ND	ND	*ND < 20*	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	**50**	*ND < 120*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*ND < 66*	8.7 J	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**60**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	**7**	ND	**14**	**14**	2	ND	ND	0.51 J	ND	ND	ND	ND	ND	*ND < 17*	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*ND < 16*	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	**5**	ND	ND	ND	ND	ND	ND	ND	**87**	**70**	ND	ND	ND	*ND < 22*	ND	ND	3.8 J	3.8 J	3.4 J	ND	ND	ND
Methyl Acetate	**NR**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*ND*	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	3.2 J	0.95 J	1	ND	ND	ND	1.6	ND	ND	ND	ND	ND	*ND < 26*	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	**5**	**3,100**	**1,700**	**1,700**	**410**	**1,600**	**1,300**	**1,600**	**1,500**	**1,500**	**570**	**1,200**	**390**	**90**	3.5 J	**120**	**290**	**170**	*ND<1.4*	0.45 J	ND	0.43 J
Trichloroethene	**5**	**1,500**	**660**	**650**	**95**	**520**	**450**	**570**	**560**	**520**	**130**	**340**	**110**	**51**	4.9	**88**	**130**	**140**	*ND<1.8*	0.66 J	ND	ND
Trichlorofluoromethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*ND < 44*	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*ND < 15*	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichlorethene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*ND < 41*	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*ND < 45*	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**5**	**16 J**	4	3.8	ND	ND	ND	3.8	ND	ND	ND	ND	ND	*ND < 41*	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*ND < 12*	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*ND < 19*	ND	ND	ND	ND	ND	ND	ND	ND
Total Site COCs (cVOCs)[3]	--	4,600	2,360	2,350	505	2,120	1,750	2,170	2,060	2,020	700	1,540	500	141	8.4	208	420	310	0	1.1	0	0.43

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. NYSDEC Class "GA" Groundwater Quality Standards/Guidance Values (GWQS/GV), 6 NYCRR Part 703.
3. Sum of chlorinated VOCs means adding the concentrations of tetrachloroethene, trichloroethene, cis & trans-1,2-dichlorethene, and 1,1-dichloroethene.
4. Sampling occurred following 1/11/2019 injection of PlumeStop directly into well MW-6 and redevelopment on 2/8/19.

Definitions:

J = Estimated value; result is less than the sample quantitation limit but greater than zero.
ND = parameter not detected above laboratory detection limit.
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BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 1

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Former Brainerd Manufacturing Facility
East Rochester, New York

Parameter[1]	GWQS/GV[2]	MW-12			
		Historic	Current		
		03/10/08	7/23/19	11/25/19	6/11/20
TCL Volatile Organic Compounds (ug/L)					
Acetone	**50**	4.8 J	ND	ND	5.1
Bromodichloromethane	**5**	0.82 J	ND	ND	ND
2-Butanone (MEK)	**50**	ND	ND	ND	ND
Carbon Disulfide	**60**	0.94 J	ND	ND	ND
Chloroform	**7**	1.6	ND	ND	ND
Dibromochloromethane	**5**	ND	ND	ND	ND
Methylene chloride	**5**	ND	ND	ND	ND
Methyl Acetate	**NR**	ND	ND	ND	ND
Toluene	**5**	ND	ND	ND	ND
Tetrachloroethene	**5**	**300 D**	**71**	**68**	**31**
Trichloroethene	**5**	**270 D**	**14**	**12**	4.2
Trichlorofluoromethane	**5**	ND	ND	ND	ND
1,1 Dichloroethene	**5**	ND	ND	ND	ND
cis-1,2-Dichlorethene	**5**	0.66 J	ND	ND	ND
trans-1,2-Dichloroethene	**5**	NA	ND	ND	ND
1,1,1-Trichloroethane	**5**	2.0	ND	ND	ND
1,1,2-Trichloroethane	**1**	ND	ND	ND	ND
1,1 Dichloroethane	**5**	ND	ND	ND	ND
Total Site COCs (cVOCs)[3]	--	571	85	80	35

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. NYSDEC Class "GA" Groundwater Quality Standards/Guidance Values (GWQS/GV), 6 NYCRR Part 703.
3. Sum of chlorinated VOCs means adding the concentrations of tetrachloroethene, trichloroethene, cis & trans-1,2-dichlorethene, and 1,1-dichloroethene.
4. Sampling occurred following 1/11/2019 injection of PlumeStop directly into well MW-6 and redevelopment on 2/8/19.

Definitions:

J = Estimated value; result is less than the sample quantitation limit but greater than zero.
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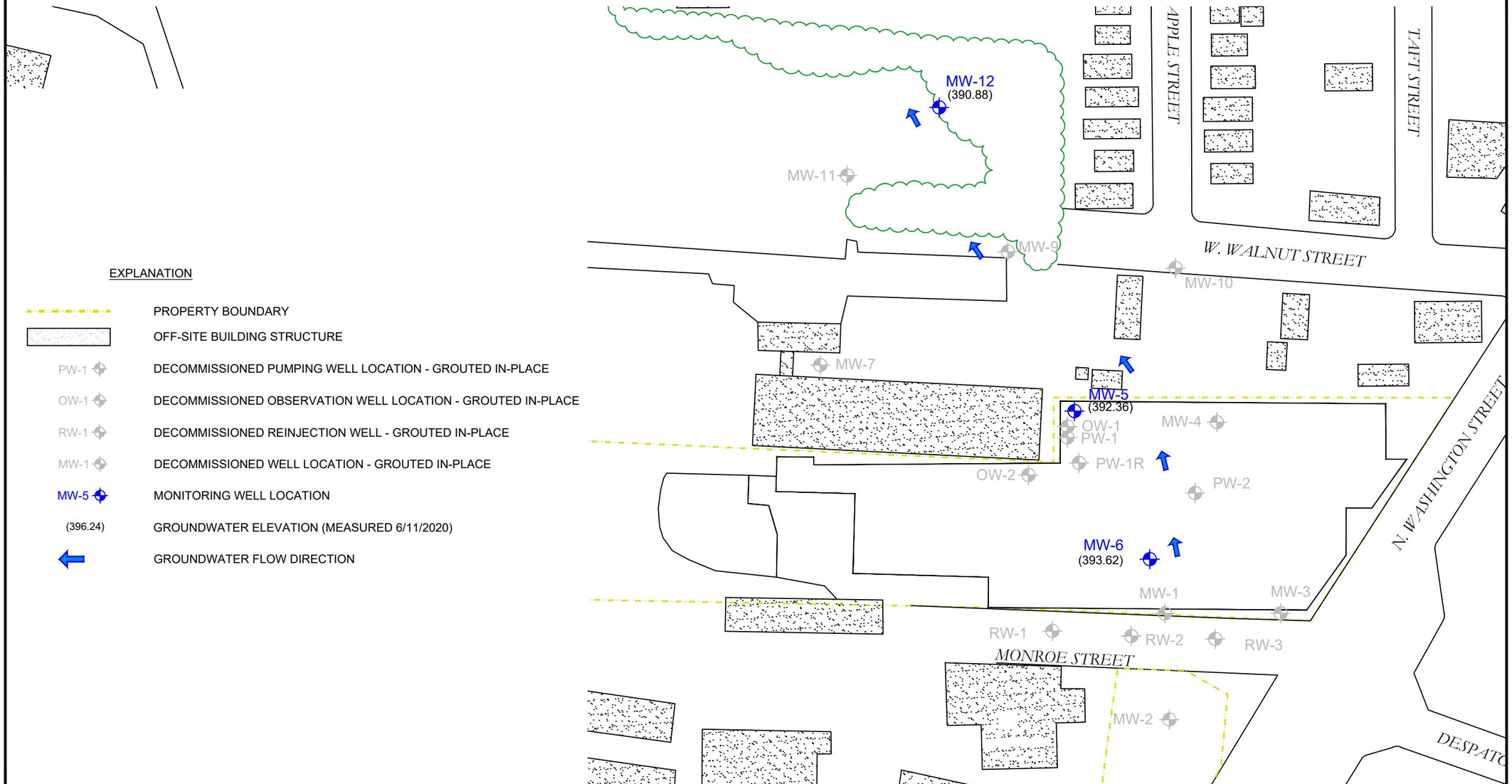
"--" = Not analyzed

BOLD = Analytical result exceeds individual GWQS/GV; or potentially exceeds if the MDL is above the GWQS/GV.

FIGURE

F:\CAD\Benchmark\Despatch\Correspondence\June 2020 Summary\Figure 1; Groundwater Isopotential Map (June 2020).dwg



EXPLANATION

- PROPERTY BOUNDARY
- OFF-SITE BUILDING STRUCTURE
- PW-1 — DECOMMISSIONED PUMPING WELL LOCATION - GROUTED IN-PLACE
- OW-1 — DECOMMISSIONED OBSERVATION WELL LOCATION - GROUTED IN-PLACE
- RW-1 — DECOMMISSIONED REINJECTION WELL - GROUTED IN-PLACE
- MW-1 — DECOMMISSIONED WELL LOCATION - GROUTED IN-PLACE
- MW-5 — MONITORING WELL LOCATION
- (396.24) — GROUNDWATER ELEVATION (MEASURED 6/11/2020)
- GROUNDWATER FLOW DIRECTION

N

100' 0' 100' 200'

SCALE: 1 INCH = 100 FEET
SCALE IN FEET
(approximate)

DATE: JUNE 2020
DRAFTED BY: CCB/RFL

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

JOB NO.: 0040-002-400

SITE PLAN

JUNE 2020 SUMMARY

FORMER BRAINERD MANUFACTURING FACILITY
EAST ROCHESTER, NEW YORK
NYSDEC SITE NO. V00519-8

PREPARED FOR
DESPATCH INDUSTRIES, INC.

FIGURE 1

ATTACHMENT 1

PRETREATMENT SYSTEM DECOMMISSIONING LETTER REPORT, PHOTOGRAPHS, AND WELL ABANDONMENT LOGS

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

May 14, 2020

Mr. Donald Wolf
Industrial Waste Engineer
Monroe County Department of Environmental Services
Office of Industrial Waste
145 Paul Rd., Bldg. 1
Rochester, New York 14624

Re: Sewer Use Permit 883
Former Brainerd Manufacturing Facility
115 North Washington Street, East Rochester, NY 14445
Decommissioning of Pretreatment System

Dear Mr. Wolf:

On behalf of Despatch Industries, Inc., Benchmark Environmental Engineering & Science, PLLC (Benchmark) is herein reporting the decommissioning of the pretreatment system at the former Brainerd Manufacturing Facility. The decommissioning included the following:

- On April 21, 2020, groundwater pumping wells PW-1R and PW-2 were grouted in-place, and all associated piping and electrical connections were terminated. Attachment 1 includes the abandonment logs.
- On April 23-24, 2020, the pretreatment system equipment (i.e., day tank, air stripper, and pumps) were removed from the facility by Benchmark. All associated discharge piping was terminated.

Attachment 2 includes photographs of the pretreatment system prior to and after decommissioning activities. We are therefore reporting no flow for the April 2020 pretreatment system effluent compliance monitoring and request Sewer Use Permit 883 be terminated. Please contact us if you have any questions or require additional information.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC

Lori E. Riker, P.E.
Sr. Project Manager

Thomas H. Forbes, P.E.
Principal Engineer

ec: Alan Shaffer
Sean Keenan (Monroe County)

2558 Hamburg Turnpike, Suite 300 | Buffalo, NY 14218
phone: (716) 856-0599 | fax: (716) 856-0583

ATTACHMENT 1

PUMPING WELL ABANDONMENT LOGS

BENCHMARK

FIGURE 3

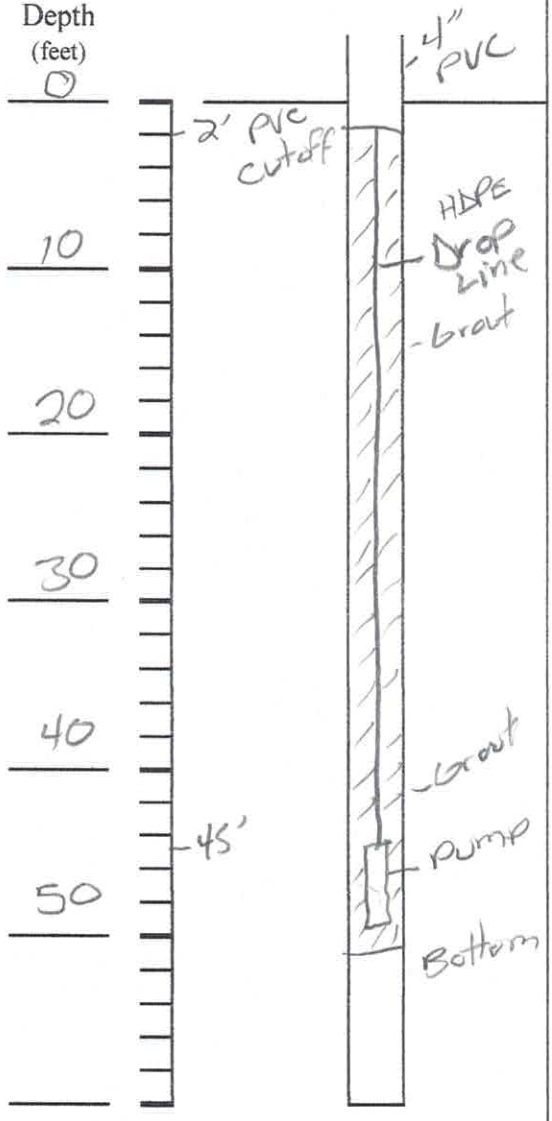
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG.	Well I.D.: Pumpwell #1
Site Location: Int. Brainerd Bldg.	Driller: T. Managefrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Suraci
	Date: 4-22-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	50'-1'
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	33

WELL SCHEMATIC*



COMMENTS: Sub. Pump stuck in well. Unable to Retrieve. Tremie grout abandoned in place. PVC and HDPE drop line cut 2' BGS Surface Comp. Backfilled with Concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Thomas H. Manfredi
Drilling Contractor

Department Representative

FIGURE 3

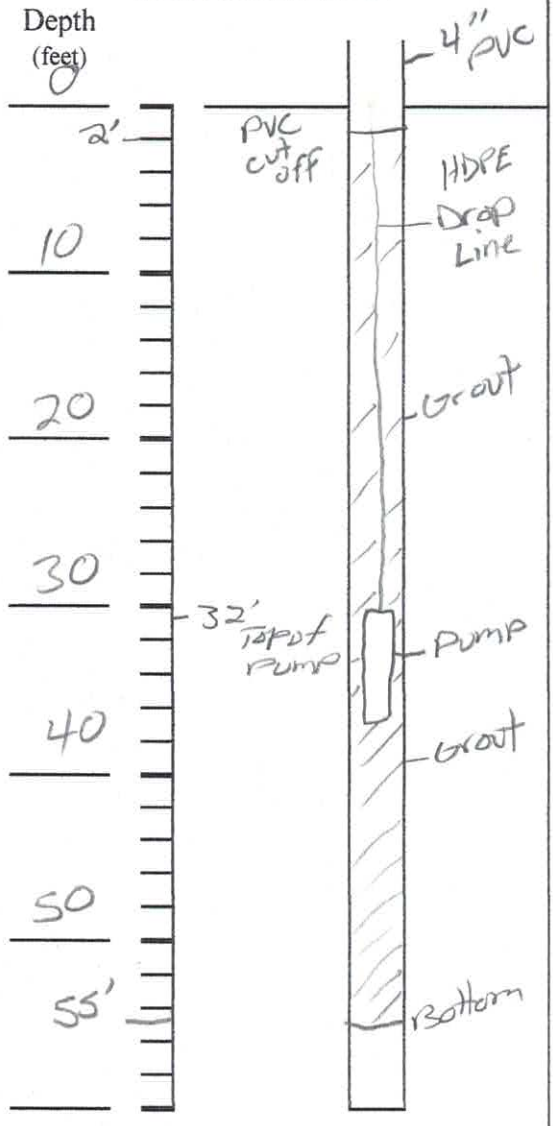
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG	Well I.D.: Pump well 1R
Site Location: Int. Brainerd Bldg.	Driller: T. Manafrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Sufaci
	Date: 4-21-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	55'-1'
# of batches prepared	4
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	35

WELL SCHEMATIC*



COMMENTS: Sub. pump stuck in well. unable to retrieve. Tremie grout abandoned in place. PVC and HDPE drop line cut off 2' BGS. Surface Completion Backfilled w/ Concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

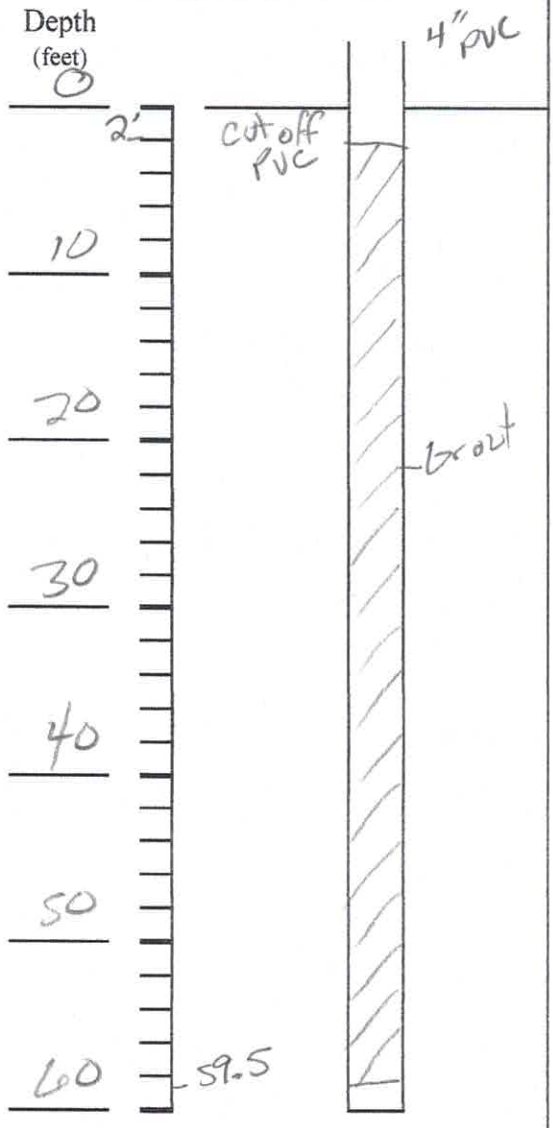
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG	Well I.D.: Pump well #2
Site Location: Int. Brainerd Bldg.	Driller: T. Margetfrida
Drilling Co.: Nothnagle Drilling	Inspector: N Sujaci
	Date: 4-21-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	59.5'-1'
# of batches prepared	4
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	40

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in place. PVC cut off 2' BGS. Surface completion backfilled with concrete and finished to match

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

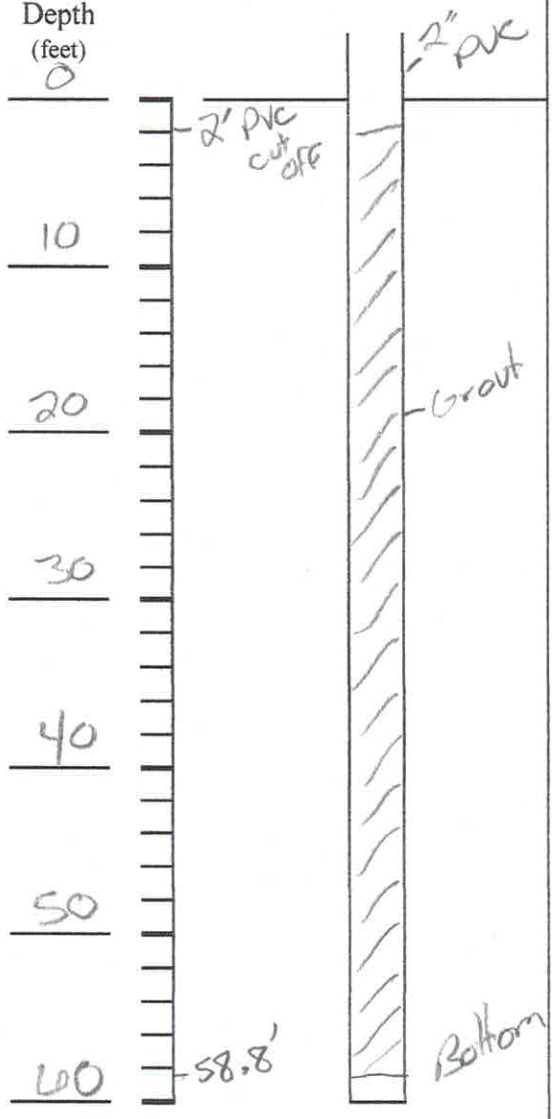
FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG.	Well I.D.: OW-1
Site Location: Int. Brainerd Bldg.	Driller: T. Managefrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Suraci
	Date: 4-21-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	58.8'-1'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	10

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in place PVC cut off 2' BGS. Surface completion Backfilled with Concrete and finished to match

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

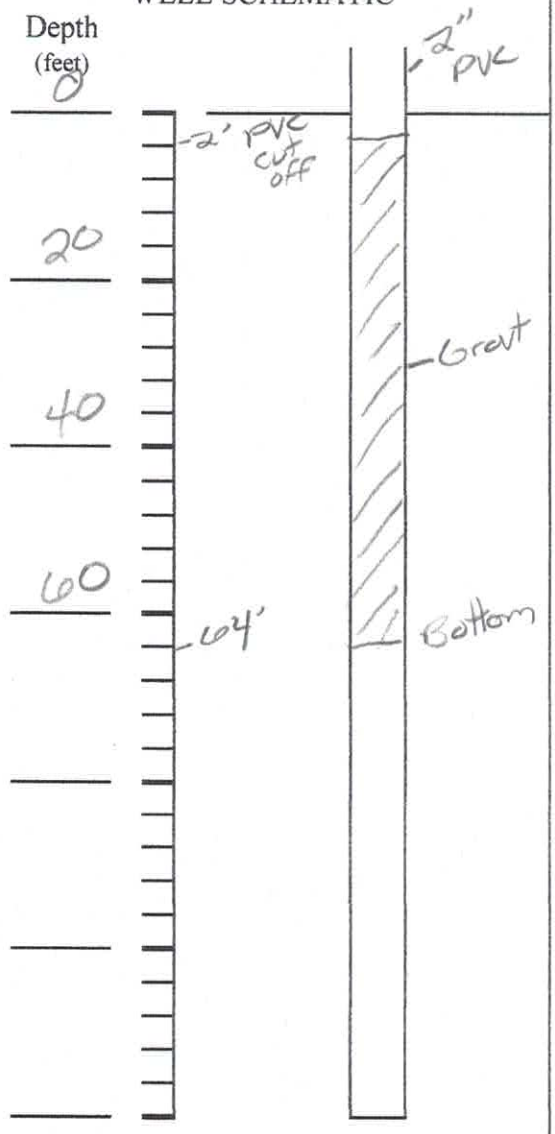
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG	Well I.D.: OW-2
Site Location: Int. Brainerd Bldg	Driller: T. Mangefrida
Drilling Co.: Nathnagle Drilling	Inspector: N. Suraci
	Date: 4-21-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	64'-1'
# of batches prepared	2
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	11

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in place. PVC cutoff 2' BGS. Surface completion backfilled with concrete and finished to match

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

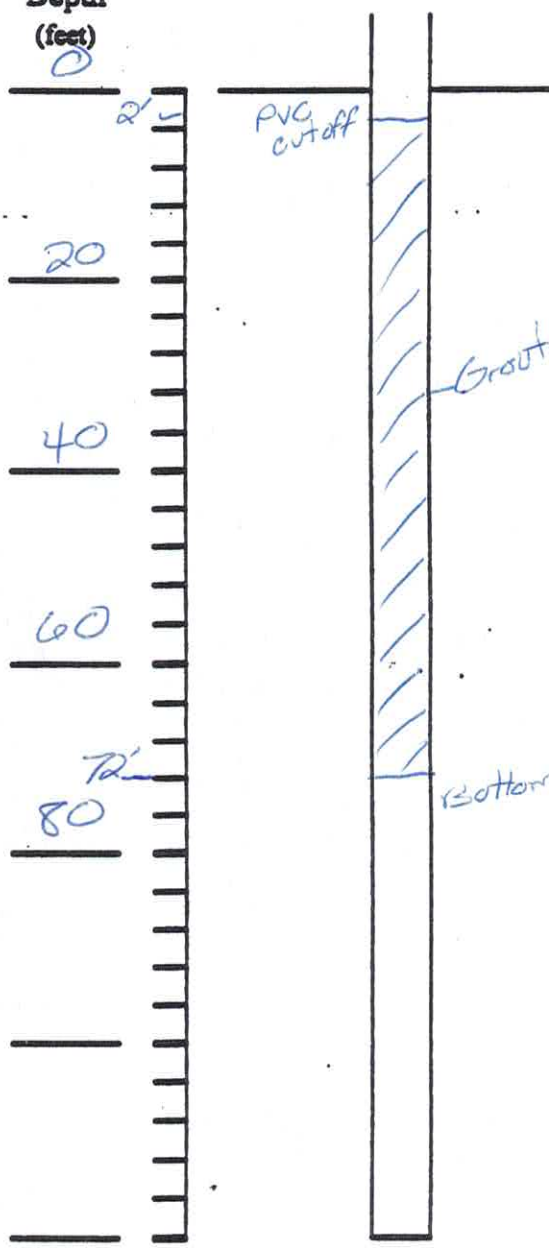
WELL DECOMMISSIONING RECORD
NYSDEC NPL Sites

Site Name: Former Brainerd MFG.	Well I.D.: MW-1
Site Location: Ext. Brainerd Bldg.	Driller: T. Mangefrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Surazi
	Date: 4-14-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	72'-2'
# of batches prepared	2
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	12

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in Place. Surface completion Removed and PVC cut off 2' BGS.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Thomas D. Mangefrida

Department Representative

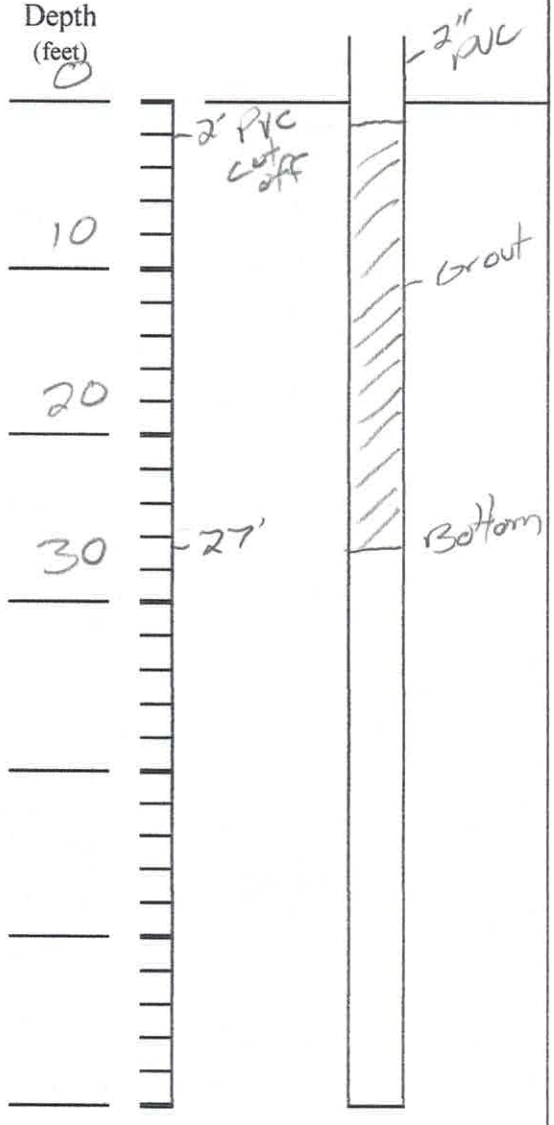
FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG	Well I.D.: MW-3
Site Location: Int. Brainerd Bldg.	Driller: T. Mangefrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Suraci
	Date: 4-22-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	27'-1'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	4.5

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in place. PVC cut off 2' BGS. Surface completion backfilled with concrete and finished to match

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Thomas H. Manfredi
Drilling Contractor

Department Representative

FIGURE 3

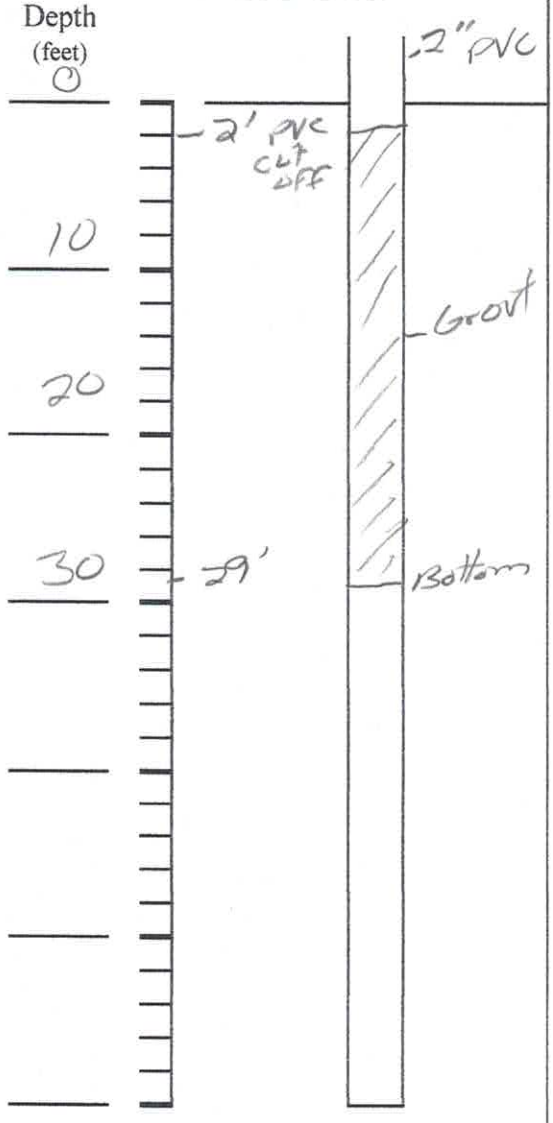
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG.	Well I.D.: MW-4
Site Location: Ext. Brainerd Bldg.	Driller: T. Mangefrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Suraci
	Date: 4-22-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	29'-1'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	5

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in Place. PVC cut off 2' BGS Surface completion Backfilled with Concrete and finished to match

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

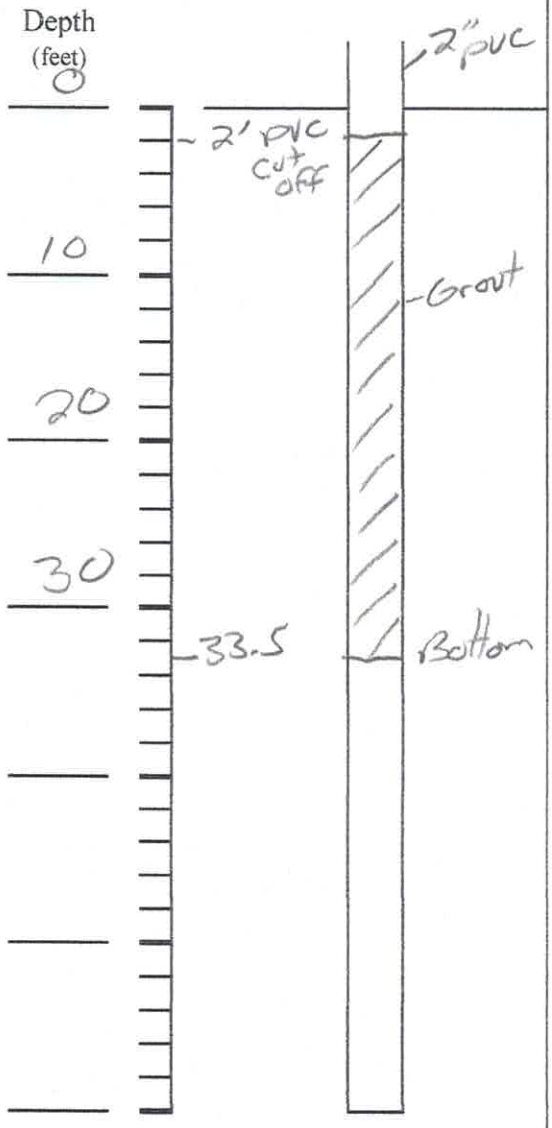
FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG	Well I.D.: MW-7
Site Location: E.J. Delmonte Property	Driller: T. Mangefrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Sutaci
	Date: 4-22-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	33.5-1'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	-
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	5.5

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in place. PVC cut off 2' BGS. Surface completion removed and backfilled with topsoil

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

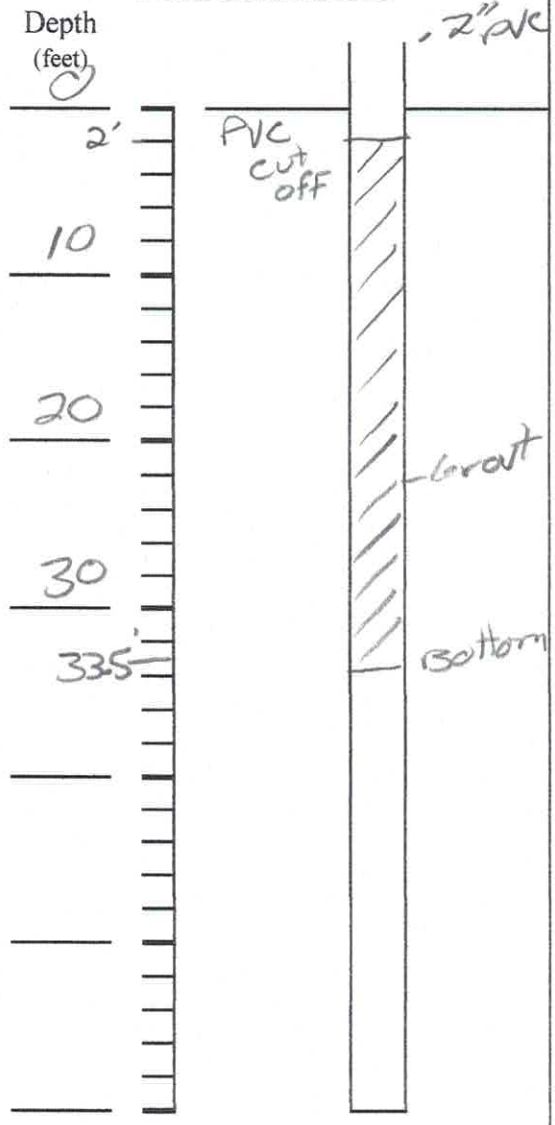
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG.	Well I.D.: MW-9
Site Location: EJ Delmonte	Driller: T. Mangefrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Surack
	Date: 4-20-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	33.5'-1'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	5.5

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in Place. PVC cutoff 2' BGS. Surface Completion Backfilled with Concrete and finished to match

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

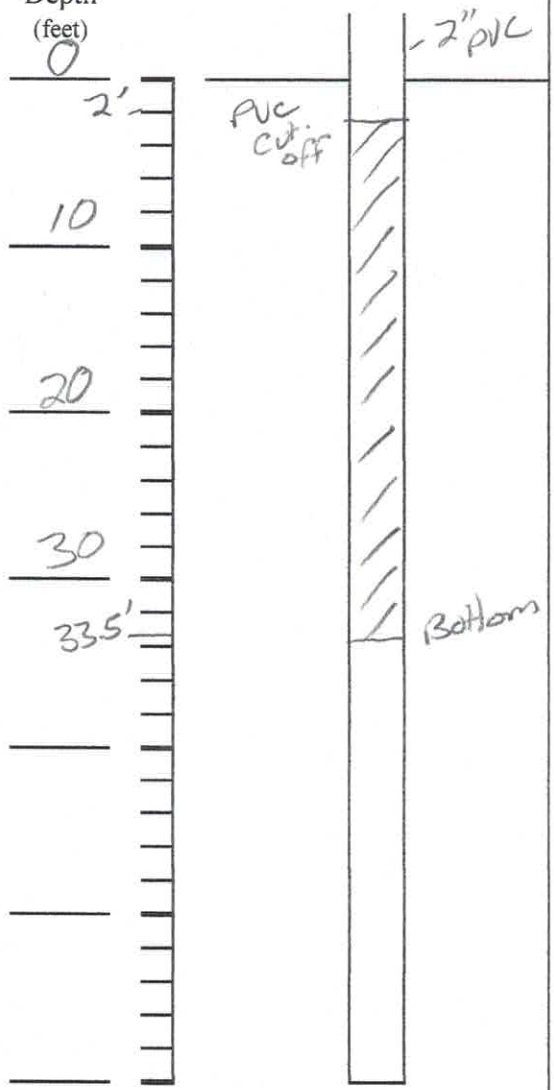
FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG.	Well I.D.: MW-10
Site Location: 49 Walnut St.	Driller: T. Mangefrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Surdi
	Date: 4-20-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	33.5-1'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	5.5

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in place. PVC cut off 2' BGS Surface Completion Backfilled with Concrete and finished to match

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Thomas H. Mangefrida
Drilling Contractor

Department Representative

FIGURE 3

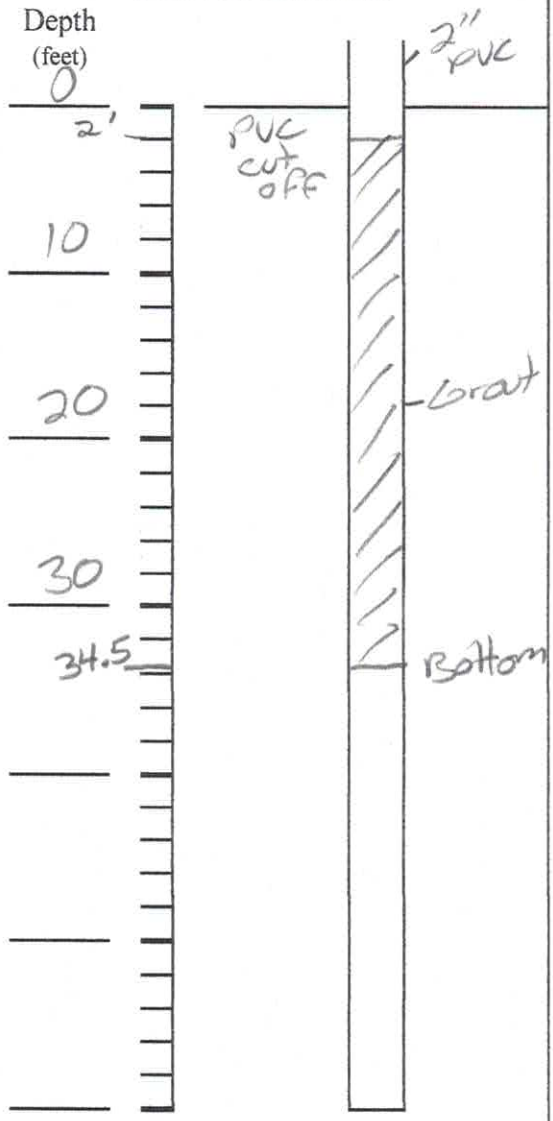
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG.	Well I.D.: MW-11
Site Location: ES Delmonte	Driller: T. Manzfrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Supaci
	Date: 4-20-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	34.5'-1'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	LP

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in Place. PVC Cut Off 2' BGS. Surface Completion Backfilled with Concrete and Finished to match

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Thomas H. Manzfrida

Drilling Contractor

Department Representative

FIGURE 3

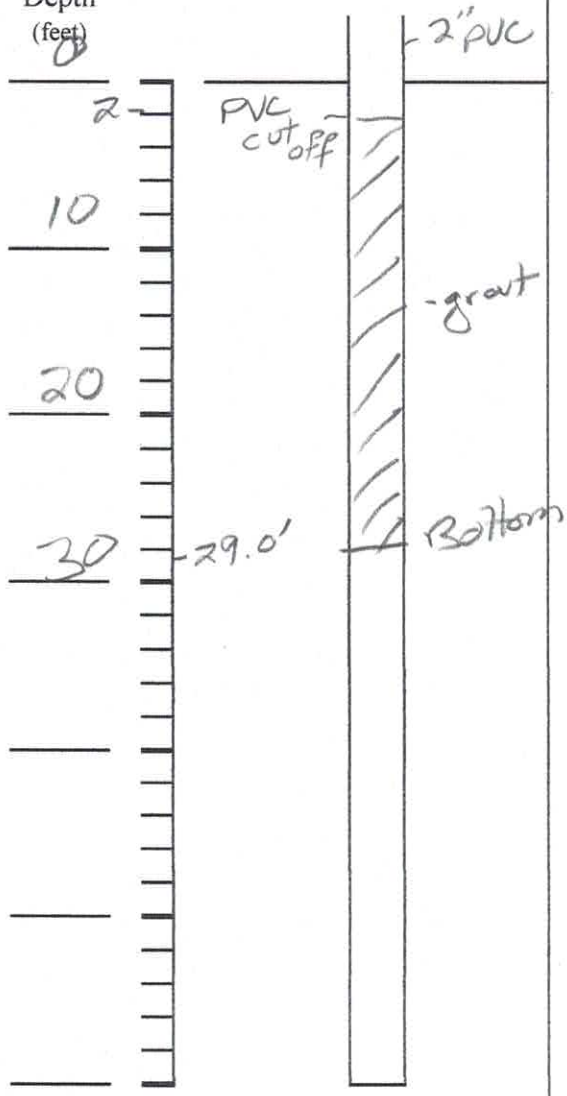
WELL DECOMMISSIONING RECORD

Site Name:	Former Brainerd MFG.	Well I.D.:	MW-13
Site Location:	939 Linden Ave	Driller:	T. Mangefrida
Drilling Co.:	Nothnagle Drilling	Inspector:	N. Suraci
		Date:	4-20-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	29.0'-1'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	5.0

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in place. PVC cut off 2' BGS. Surface completion filled with concrete and finished to match.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Thomas M. Mangefrida

Drilling Contractor

Department Representative

FIGURE 3

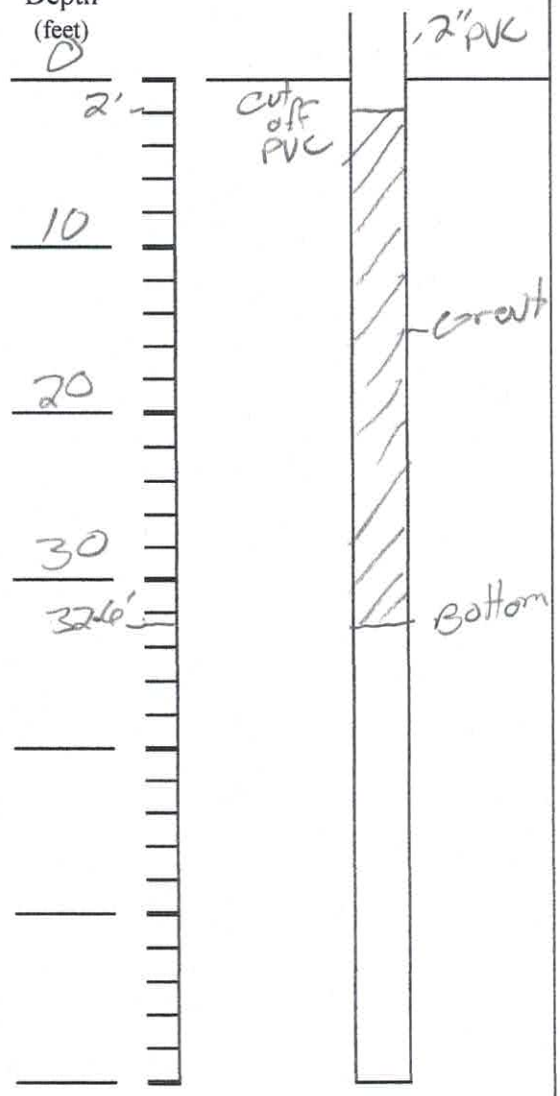
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG.	Well I.D.: MW-14
Site Location: 930 Linden Ave.	Driller: T. Mangefrida
Drilling Co.: Nothnagle Drilling	Inspector: N Surac
	Date: 4-20-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	32.6'-1'
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	5.5

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in place Surface completion Removed and Backfilled with topsoil PVC cut off 2' BLS

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Thomas A. Mangefrida

Drilling Contractor

Department Representative

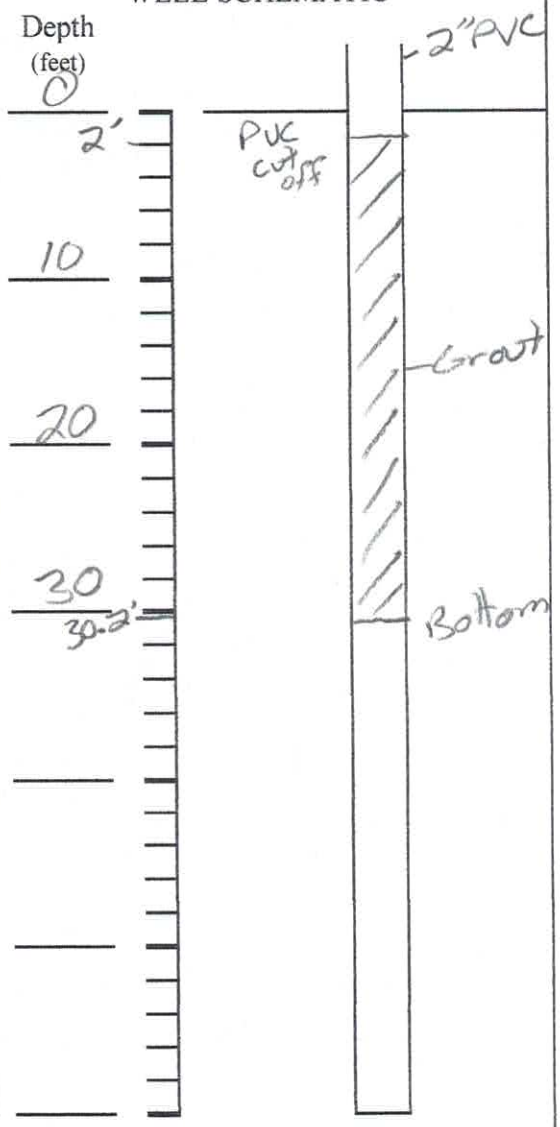
FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd MFG.	Well I.D.: MW-15
Site Location: 949 Linden Ave	Driller: T. Mangefrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Suraci
	Date: 4-20-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	30.2'-1'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	5

WELL SCHEMATIC*



COMMENTS: Tremie grout abandoned in place. PVC cut off 2' BGS. Surface Completion Backfilled with concrete and finished to match

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

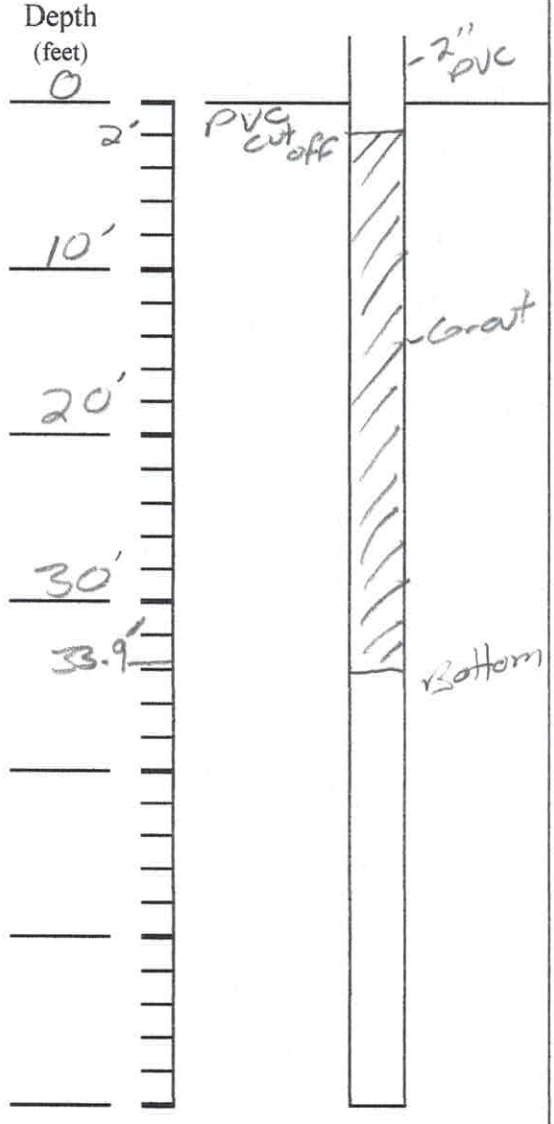
FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Former Brainerd Mfg.	Well I.D.: MW-16
Site Location: 938 Linden Ave.	Driller: T. Mangefrida
Drilling Co.: Nothnagle Drilling	Inspector: N. Surace
	Date: 4-20-20

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	33.9'-1'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	TYPE I
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	10
Volume of grout used (gal.)	6

WELL SCHEMATIC*



COMMENTS:
Tremie grout abandoned in place
Surface completion removed and backfilled w/ topsoil. PVC cut off 2' BLS.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

ATTACHMENT 2

PHOTOGRAPHIC LOG

BENCHMARK

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Despatch Industries, Inc	East Rochester, NY	0040-002-400

Photo No.	Date
1	04/21/20

Direction Photo Taken:
South

Description:
Grouting of pumping well PW-2

Photo No.	Date
2	04/21/20

Direction Photo Taken:
East

Description:
Grouting of pumping well PW-1R

Prepared By: *RLD*

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Despatch Industries, Inc	East Rochester, NY	0040-002-400

Photo No.	Date
3	

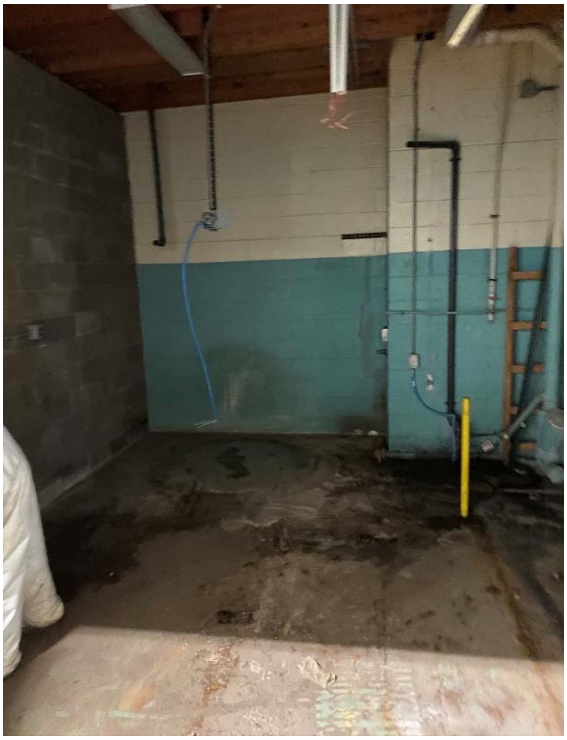
Direction Photo Taken:
West

Description:
Pretreatment system prior to decommissioning.

Photo No.	Date
4	04/24/20

Direction Photo Taken:
North

Description:
Pretreatment room following equipment removal.



Prepared By: *RLD*

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Despatch Industries, Inc	East Rochester, NY	0040-002-400

Photo No.	Date
5	04/24/20

Direction Photo Taken:
North

Description:
Removal of pretreatment system equipment

Photo No.	Date
6	04/24/20

Direction Photo Taken:
South

Description:
Removal of pretreatment system equipment

Prepared By: RLD

ATTACHMENT 2

GW FIELD FORMS AND ANALYTICAL DATA PACKAGE

BENCHMARK

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: DesPatch
Location: East Rochester
Project No.:
Date: 6/11/20
Field Team: NAS

Well No. MW-5	Diameter (inches): 2"	Sample Date / Time: 6/11/20
Product Depth (fbTOR):	Water Column (ft): 3.1	DTW when sampled:
DTW (static) (fbTOR): ~~20.10~~ 24.10	One Well Volume (gal): .50	Purpose: ☐ Development ☐ Sample ☒ Purge & Sample
Total Depth (fbTOR): ~~27.20~~ 27.20	Total Volume Purged (gal): 1.5	Purge Method: Bailer

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
11:00	0	Initial	0	6.89	16.9	2578	56	1.30	-148	Clear, No odor
11:10	1	24.8	6.5	7.05	15.8	2470	171	2.95	-191	
11:20	2	25.0	1	7.09	15.9	2410	291	3.80	-101	
11:30	3	25.0	1.5	7.11	15.1	2454	200	4.5	-59	
	4									
	5									
	6									
	7									
	8									
	9									
	10									

Sample Information:

12:00	S1	25.0	1.5	7.18	15.0	2478	178	4.8	-78	
	S2									

Well No. MW-6	Diameter (inches): 2"	Sample Date / Time: 6/11/20
Product Depth (fbTOR):	Water Column (ft): 7.8	DTW when sampled:
DTW (static) (fbTOR): 23.20	One Well Volume (gal): 1.27	Purpose: ☐ Development ☐ Sample ☒ Purge & Sample
Total Depth (fbTOR): 31.0	Total Volume Purged (gal): 3.6	Purge Method: Bailer

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
12:20	0	Initial	0	6.38	16.4	4975	98	1.58	-103	Slight odor
12:40	1	23.50	1.2	6.54	16.2	4405	130	1.76	-78	
12:50	2	23.85	2.4	6.84	16.0	4894	275	1.95	-165	
13:00	3	23.95	3.6	6.85	16.6	4044	135	2.20	-95	
	4									
	5									
	6									
	7									
	8									
	9									
	10									

Sample Information:

13:00	S1	23.45	3.6	6.85	15.0	4344	102	2.57	-85	
	S2									

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: DesPatch
Location: East Rochester
Project No.:
Date: 6/11/20
Field Team: MAS

Well No. MW-12	Diameter (inches): 2"	Sample Date / Time: 6/11/20
Product Depth (fbTOR):	Water Column (ft): 9.3	DTW when sampled:
DTW (static) (fbTOR): 24.30	One Well Volume (gal): 1.51	Purpose: ☐ Development ☐ Sample ☒ Purge & Sample
Total Depth (fbTOR): 33.60	Total Volume Purged (gal): 4.5	Purge Method: Bailer

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
13:00	0	Initial	0	7.31	14.8	705	39	5.20	108	clear No odor
13:30	1	26.70	1.5	7.24	14.1	622	48	5.85	127	
13:40	2	27.10	3.0	7.18	13.2	645	72	6.01	134	
13:50	3	27.10	4.5	7.22	13.0	630	75	6.20	125	
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
14:00	S1	27.60	4.5	7.15	13.0	601	69	6.10	108	
	S2									

Well No.	Diameter (inches):	Sample Date / Time:
Product Depth (fbTOR):	Water Column (ft):	DTW when sampled:
DTW (static) (fbTOR):	One Well Volume (gal):	Purpose: ☐ Development ☐ Sample ☐ Purge & Sample
Total Depth (fbTOR):	Total Volume Purged (gal):	Purge Method:

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0	Initial								
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
	S1									
	S2									

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-171236-1
Client Project/Site: Benchmark - Despatch site

For:
Benchmark Env. Eng. & Science, PLLC
2558 Hamburg Turnpike
Suite 300
Lackawanna, New York 14218

Attn: Ms. Lori E. Riker

Authorized for release by:
6/22/2020 2:48:38 PM

Brian Fischer, Manager of Project Management
(716)504-9835
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Definitions/Glossary

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-171236-1
Project/Site: Benchmark - Despatch site

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-171236-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-171236-1

Comments
No additional comments.

Receipt
The samples were received on 6/16/2020 11:20 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for analytical batch 480-536617 recovered outside control limits for the following analyte: Acetone. This analyte was biased high in the LCS and was below the reporting limit (RL) and/or not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: MW-6 (480-171236-2) and MW-12 (480-171236-3).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-536617 recovered above the upper control limit for Acetone. The samples associated with this CCV were below the reporting limit (RL) and/or non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: MW-6 (480-171236-2) and MW-12 (480-171236-3).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-536831 recovered outside acceptance criteria, low biased, for Cyclohexane and Methylcyclohexane. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated sample is: MW-5 (480-171236-1).

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

Detection Summary

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-171236-1
Project/Site: Benchmark - Despatch site

Client Sample ID: MW-5 — Lab Sample ID: 480-171236-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.9	J	10	3.0	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.41	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	0.56	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 480-171236-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.4	J *	10	3.0	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.43	J	1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 480-171236-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.1	J *	10	3.0	ug/L	1		8260C	Total/NA
Tetrachloroethene	31		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	4.2		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - Despatch site

Job ID: 480-171236-1

Client Sample ID: MW-5
Date Collected: 06/11/20 12:00
Date Received: 06/16/20 11:20

Lab Sample ID: 480-171236-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/18/20 11:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/18/20 11:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/18/20 11:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/18/20 11:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/18/20 11:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/18/20 11:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/18/20 11:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/18/20 11:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/18/20 11:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/18/20 11:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/18/20 11:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/18/20 11:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/18/20 11:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/18/20 11:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/18/20 11:29	1
2-Hexanone	ND		5.0	1.2	ug/L			06/18/20 11:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/18/20 11:29	1
Acetone	**6.9**	**J**	10	3.0	ug/L			06/18/20 11:29	1
Benzene	ND		1.0	0.41	ug/L			06/18/20 11:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/18/20 11:29	1
Bromoform	ND		1.0	0.26	ug/L			06/18/20 11:29	1
Bromomethane	ND		1.0	0.69	ug/L			06/18/20 11:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/18/20 11:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/18/20 11:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/18/20 11:29	1
Chloroethane	ND		1.0	0.32	ug/L			06/18/20 11:29	1
Chloroform	ND		1.0	0.34	ug/L			06/18/20 11:29	1
Chloromethane	ND		1.0	0.35	ug/L			06/18/20 11:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/18/20 11:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/18/20 11:29	1
Cyclohexane	ND		1.0	0.18	ug/L			06/18/20 11:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/18/20 11:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/18/20 11:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/18/20 11:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/18/20 11:29	1
Methyl acetate	ND		2.5	1.3	ug/L			06/18/20 11:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/18/20 11:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/18/20 11:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/18/20 11:29	1
Styrene	ND		1.0	0.73	ug/L			06/18/20 11:29	1
Tetrachloroethene	**0.41**	**J**	1.0	0.36	ug/L			06/18/20 11:29	1
Toluene	ND		1.0	0.51	ug/L			06/18/20 11:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/18/20 11:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/18/20 11:29	1
Trichloroethene	**0.56**	**J**	1.0	0.46	ug/L			06/18/20 11:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/18/20 11:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/18/20 11:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/18/20 11:29	1

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - Despatch site

Job ID: 480-171236-1

Client Sample ID: MW-5
Date Collected: 06/11/20 12:00
Date Received: 06/16/20 11:20

Lab Sample ID: 480-171236-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		06/18/20 11:29	1
4-Bromofluorobenzene (Surr)	88		73 - 120		06/18/20 11:29	1
Dibromofluoromethane (Surr)	111		75 - 123		06/18/20 11:29	1
Toluene-d8 (Surr)	106		80 - 120		06/18/20 11:29	1

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - Despatch site

Job ID: 480-171236-1

Client Sample ID: MW-6
Date Collected: 06/11/20 13:00
Date Received: 06/16/20 11:20

Lab Sample ID: 480-171236-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/17/20 14:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/17/20 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/17/20 14:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/17/20 14:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/17/20 14:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/17/20 14:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/17/20 14:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/17/20 14:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/17/20 14:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/17/20 14:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/17/20 14:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/17/20 14:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/17/20 14:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/17/20 14:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/17/20 14:17	1
2-Hexanone	ND		5.0	1.2	ug/L			06/17/20 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/17/20 14:17	1
Acetone	**5.4**	**J ***	10	3.0	ug/L			06/17/20 14:17	1
Benzene	ND		1.0	0.41	ug/L			06/17/20 14:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/17/20 14:17	1
Bromoform	ND		1.0	0.26	ug/L			06/17/20 14:17	1
Bromomethane	ND		1.0	0.69	ug/L			06/17/20 14:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/17/20 14:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/17/20 14:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/17/20 14:17	1
Chloroethane	ND		1.0	0.32	ug/L			06/17/20 14:17	1
Chloroform	ND		1.0	0.34	ug/L			06/17/20 14:17	1
Chloromethane	ND		1.0	0.35	ug/L			06/17/20 14:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/17/20 14:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/17/20 14:17	1
Cyclohexane	ND		1.0	0.18	ug/L			06/17/20 14:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/17/20 14:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/17/20 14:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/17/20 14:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/17/20 14:17	1
Methyl acetate	ND		2.5	1.3	ug/L			06/17/20 14:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/17/20 14:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/17/20 14:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/17/20 14:17	1
Styrene	ND		1.0	0.73	ug/L			06/17/20 14:17	1
Tetrachloroethene	**0.43**	**J**	1.0	0.36	ug/L			06/17/20 14:17	1
Toluene	ND		1.0	0.51	ug/L			06/17/20 14:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/17/20 14:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/17/20 14:17	1
Trichloroethene	ND		1.0	0.46	ug/L			06/17/20 14:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/17/20 14:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/17/20 14:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/17/20 14:17	1

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - Despatch site

Job ID: 480-171236-1

Client Sample ID: MW-6
Date Collected: 06/11/20 13:00
Date Received: 06/16/20 11:20

Lab Sample ID: 480-171236-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		06/17/20 14:17	1
4-Bromofluorobenzene (Surr)	90		73 - 120		06/17/20 14:17	1
Dibromofluoromethane (Surr)	109		75 - 123		06/17/20 14:17	1
Toluene-d8 (Surr)	98		80 - 120		06/17/20 14:17	1

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - Despatch site

Job ID: 480-171236-1

Client Sample ID: MW-12
Date Collected: 06/11/20 14:00
Date Received: 06/16/20 11:20

Lab Sample ID: 480-171236-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/17/20 14:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/17/20 14:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/17/20 14:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/17/20 14:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/17/20 14:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/17/20 14:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/17/20 14:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/17/20 14:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/17/20 14:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/17/20 14:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/17/20 14:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/17/20 14:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/17/20 14:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/17/20 14:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/17/20 14:42	1
2-Hexanone	ND		5.0	1.2	ug/L			06/17/20 14:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/17/20 14:42	1
Acetone	**5.1**	**J ***	10	3.0	ug/L			06/17/20 14:42	1
Benzene	ND		1.0	0.41	ug/L			06/17/20 14:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/17/20 14:42	1
Bromoform	ND		1.0	0.26	ug/L			06/17/20 14:42	1
Bromomethane	ND		1.0	0.69	ug/L			06/17/20 14:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/17/20 14:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/17/20 14:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/17/20 14:42	1
Chloroethane	ND		1.0	0.32	ug/L			06/17/20 14:42	1
Chloroform	ND		1.0	0.34	ug/L			06/17/20 14:42	1
Chloromethane	ND		1.0	0.35	ug/L			06/17/20 14:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/17/20 14:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/17/20 14:42	1
Cyclohexane	ND		1.0	0.18	ug/L			06/17/20 14:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/17/20 14:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/17/20 14:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/17/20 14:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/17/20 14:42	1
Methyl acetate	ND		2.5	1.3	ug/L			06/17/20 14:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/17/20 14:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/17/20 14:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/17/20 14:42	1
Styrene	ND		1.0	0.73	ug/L			06/17/20 14:42	1
Tetrachloroethene	**31**		1.0	0.36	ug/L			06/17/20 14:42	1
Toluene	ND		1.0	0.51	ug/L			06/17/20 14:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/17/20 14:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/17/20 14:42	1
Trichloroethene	**4.2**		1.0	0.46	ug/L			06/17/20 14:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/17/20 14:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/17/20 14:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/17/20 14:42	1

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - Despatch site

Job ID: 480-171236-1

Client Sample ID: MW-12
Date Collected: 06/11/20 14:00
Date Received: 06/16/20 11:20

Lab Sample ID: 480-171236-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		06/17/20 14:42	1
4-Bromofluorobenzene (Surr)	99		73 - 120		06/17/20 14:42	1
Dibromofluoromethane (Surr)	108		75 - 123		06/17/20 14:42	1
Toluene-d8 (Surr)	99		80 - 120		06/17/20 14:42	1

Surrogate Summary

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-171236-1
Project/Site: Benchmark - Despatch site

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-171236-1	MW-5	112	88	111	106
480-171236-2	MW-6	101	90	109	98
480-171236-3	MW-12	100	99	108	99
LCS 480-536617/5	Lab Control Sample	99	99	106	100
LCS 480-536831/5	Lab Control Sample	109	106	108	98
MB 480-536617/7	Method Blank	97	93	104	96
MB 480-536831/7	Method Blank	111	105	110	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-536617/7
Matrix: Water
Analysis Batch: 536617

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/17/20 11:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/17/20 11:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/17/20 11:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/17/20 11:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/17/20 11:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/17/20 11:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/17/20 11:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/17/20 11:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/17/20 11:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/17/20 11:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/17/20 11:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/17/20 11:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/17/20 11:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/17/20 11:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/17/20 11:06	1
2-Hexanone	ND		5.0	1.2	ug/L			06/17/20 11:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/17/20 11:06	1
Acetone	ND		10	3.0	ug/L			06/17/20 11:06	1
Benzene	ND		1.0	0.41	ug/L			06/17/20 11:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/17/20 11:06	1
Bromoform	ND		1.0	0.26	ug/L			06/17/20 11:06	1
Bromomethane	ND		1.0	0.69	ug/L			06/17/20 11:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/17/20 11:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/17/20 11:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/17/20 11:06	1
Chloroethane	ND		1.0	0.32	ug/L			06/17/20 11:06	1
Chloroform	ND		1.0	0.34	ug/L			06/17/20 11:06	1
Chloromethane	ND		1.0	0.35	ug/L			06/17/20 11:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/17/20 11:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/17/20 11:06	1
Cyclohexane	ND		1.0	0.18	ug/L			06/17/20 11:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/17/20 11:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/17/20 11:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/17/20 11:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/17/20 11:06	1
Methyl acetate	ND		2.5	1.3	ug/L			06/17/20 11:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/17/20 11:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/17/20 11:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/17/20 11:06	1
Styrene	ND		1.0	0.73	ug/L			06/17/20 11:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/17/20 11:06	1
Toluene	ND		1.0	0.51	ug/L			06/17/20 11:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/17/20 11:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/17/20 11:06	1
Trichloroethene	ND		1.0	0.46	ug/L			06/17/20 11:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/17/20 11:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/17/20 11:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/17/20 11:06	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-536617/7
Matrix: Water
Analysis Batch: 536617

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		06/17/20 11:06	1
4-Bromofluorobenzene (Surr)	93		73 - 120		06/17/20 11:06	1
Dibromofluoromethane (Surr)	104		75 - 123		06/17/20 11:06	1
Toluene-d8 (Surr)	96		80 - 120		06/17/20 11:06	1

Lab Sample ID: LCS 480-536617/5
Matrix: Water
Analysis Batch: 536617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		102	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.4		ug/L		97	61 - 148
1,1,2-Trichloroethane	25.0	25.7		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	25.3		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	24.3		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	26.2		ug/L		105	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.1		ug/L		88	56 - 134
1,2-Dibromoethane	25.0	24.9		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	25.1		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	28.9		ug/L		115	76 - 120
1,3-Dichlorobenzene	25.0	24.4		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Hexanone	125	120		ug/L		96	65 - 127
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		94	71 - 125
Acetone	125	220	*	ug/L		176	56 - 142
Benzene	25.0	26.9		ug/L		108	71 - 124
Bromodichloromethane	25.0	27.7		ug/L		111	80 - 122
Bromoform	25.0	26.4		ug/L		106	61 - 132
Bromomethane	25.0	23.6		ug/L		94	55 - 144
Carbon disulfide	25.0	25.3		ug/L		101	59 - 134
Carbon tetrachloride	25.0	25.2		ug/L		101	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	80 - 120
Chloroethane	25.0	24.5		ug/L		98	69 - 136
Chloroform	25.0	25.7		ug/L		103	73 - 127
Chloromethane	25.0	25.4		ug/L		102	68 - 124
cis-1,2-Dichloroethene	25.0	27.0		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	29.9		ug/L		120	74 - 124
Cyclohexane	25.0	23.2		ug/L		93	59 - 135
Dibromochloromethane	25.0	27.1		ug/L		108	75 - 125
Dichlorodifluoromethane	25.0	23.9		ug/L		96	59 - 135
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
Isopropylbenzene	25.0	25.0		ug/L		100	77 - 122
Methyl acetate	50.0	59.4		ug/L		119	74 - 133
Methyl tert-butyl ether	25.0	29.1		ug/L		116	77 - 120
Methylcyclohexane	25.0	23.7		ug/L		95	68 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-536617/5
Matrix: Water
Analysis Batch: 536617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	28.7		ug/L		115	75 - 124
Styrene	25.0	24.0		ug/L		96	80 - 120
Tetrachloroethene	25.0	24.7		ug/L		99	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	27.1		ug/L		108	80 - 120
Trichloroethene	25.0	26.6		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	24.0		ug/L		96	62 - 150
Vinyl chloride	25.0	23.7		ug/L		95	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 480-536831/7
Matrix: Water
Analysis Batch: 536831

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/18/20 10:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/18/20 10:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/18/20 10:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/18/20 10:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/18/20 10:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/18/20 10:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/18/20 10:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/18/20 10:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/18/20 10:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/18/20 10:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/18/20 10:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/18/20 10:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/18/20 10:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/18/20 10:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/18/20 10:56	1
2-Hexanone	ND		5.0	1.2	ug/L			06/18/20 10:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/18/20 10:56	1
Acetone	ND		10	3.0	ug/L			06/18/20 10:56	1
Benzene	ND		1.0	0.41	ug/L			06/18/20 10:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/18/20 10:56	1
Bromoform	ND		1.0	0.26	ug/L			06/18/20 10:56	1
Bromomethane	ND		1.0	0.69	ug/L			06/18/20 10:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/18/20 10:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/18/20 10:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/18/20 10:56	1
Chloroethane	ND		1.0	0.32	ug/L			06/18/20 10:56	1
Chloroform	ND		1.0	0.34	ug/L			06/18/20 10:56	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-536831/7
Matrix: Water
Analysis Batch: 536831

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			06/18/20 10:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/18/20 10:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/18/20 10:56	1
Cyclohexane	ND		1.0	0.18	ug/L			06/18/20 10:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/18/20 10:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/18/20 10:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/18/20 10:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/18/20 10:56	1
Methyl acetate	ND		2.5	1.3	ug/L			06/18/20 10:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/18/20 10:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/18/20 10:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/18/20 10:56	1
Styrene	ND		1.0	0.73	ug/L			06/18/20 10:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/18/20 10:56	1
Toluene	ND		1.0	0.51	ug/L			06/18/20 10:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/18/20 10:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/18/20 10:56	1
Trichloroethene	ND		1.0	0.46	ug/L			06/18/20 10:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/18/20 10:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/18/20 10:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/18/20 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*06/18/20 10:56*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/18/20 10:56*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*06/18/20 10:56*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/18/20 10:56*	*1*

Lab Sample ID: LCS 480-536831/5
Matrix: Water
Analysis Batch: 536831

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.7		ug/L		79	61 - 148
1,1,2-Trichloroethane	25.0	23.1		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	21.9		ug/L		88	77 - 120
1,1-Dichloroethene	25.0	20.0		ug/L		80	66 - 127
1,2,4-Trichlorobenzene	25.0	23.3		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.3		ug/L		101	56 - 134
1,2-Dibromoethane	25.0	25.0		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 124
1,2-Dichloroethane	25.0	26.7		ug/L		107	75 - 120
1,2-Dichloropropane	25.0	21.9		ug/L		87	76 - 120
1,3-Dichlorobenzene	25.0	22.4		ug/L		90	77 - 120
1,4-Dichlorobenzene	25.0	22.3		ug/L		89	80 - 120
2-Butanone (MEK)	125	129		ug/L		103	57 - 140

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-536831/5
Matrix: Water
Analysis Batch: 536831

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	125	126		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	71 - 125
Acetone	125	146		ug/L		117	56 - 142
Benzene	25.0	21.3		ug/L		85	71 - 124
Bromodichloromethane	25.0	25.9		ug/L		104	80 - 122
Bromoform	25.0	28.2		ug/L		113	61 - 132
Bromomethane	25.0	25.3		ug/L		101	55 - 144
Carbon disulfide	25.0	19.7		ug/L		79	59 - 134
Carbon tetrachloride	25.0	24.3		ug/L		97	72 - 134
Chlorobenzene	25.0	21.9		ug/L		88	80 - 120
Chloroethane	25.0	25.3		ug/L		101	69 - 136
Chloroform	25.0	23.9		ug/L		95	73 - 127
Chloromethane	25.0	21.2		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	22.5		ug/L		90	74 - 124
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Cyclohexane	25.0	18.8		ug/L		75	59 - 135
Dibromochloromethane	25.0	26.2		ug/L		105	75 - 125
Dichlorodifluoromethane	25.0	20.5		ug/L		82	59 - 135
Ethylbenzene	25.0	22.0		ug/L		88	77 - 123
Isopropylbenzene	25.0	21.2		ug/L		85	77 - 122
Methyl acetate	50.0	48.7		ug/L		97	74 - 133
Methyl tert-butyl ether	25.0	25.1		ug/L		100	77 - 120
Methylcyclohexane	25.0	18.7		ug/L		75	68 - 134
Methylene Chloride	25.0	21.7		ug/L		87	75 - 124
Styrene	25.0	23.3		ug/L		93	80 - 120
Tetrachloroethene	25.0	22.2		ug/L		89	74 - 122
Toluene	25.0	21.0		ug/L		84	80 - 122
trans-1,2-Dichloroethene	25.0	21.5		ug/L		86	73 - 127
trans-1,3-Dichloropropene	25.0	25.7		ug/L		103	80 - 120
Trichloroethene	25.0	22.4		ug/L		89	74 - 123
Trichlorofluoromethane	25.0	27.4		ug/L		110	62 - 150
Vinyl chloride	25.0	22.4		ug/L		90	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-171236-1
Project/Site: Benchmark - Despatch site

GC/MS VOA

Analysis Batch: 536617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-171236-2	MW-6	Total/NA	Water	8260C	
480-171236-3	MW-12	Total/NA	Water	8260C	
MB 480-536617/7	Method Blank	Total/NA	Water	8260C	
LCS 480-536617/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 536831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-171236-1	MW-5	Total/NA	Water	8260C	
MB 480-536831/7	Method Blank	Total/NA	Water	8260C	
LCS 480-536831/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-171236-1
Project/Site: Benchmark - Despatch site

Client Sample ID: MW-5
Lab Sample ID: 480-171236-1
Date Collected: 06/11/20 12:00
Matrix: Water
Date Received: 06/16/20 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	536831	06/18/20 11:29	OMI	TAL BUF

Client Sample ID: MW-6
Lab Sample ID: 480-171236-2
Date Collected: 06/11/20 13:00
Matrix: Water
Date Received: 06/16/20 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	536617	06/17/20 14:17	CRL	TAL BUF

Client Sample ID: MW-12
Lab Sample ID: 480-171236-3
Date Collected: 06/11/20 14:00
Matrix: Water
Date Received: 06/16/20 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	536617	06/17/20 14:42	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-171236-1
Project/Site: Benchmark - Despatch site

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-171236-1
Project/Site: Benchmark - Despatch site

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - Despatch site

Job ID: 480-171236-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-171236-1	MW-5	Water	06/11/20 12:00	06/16/20 11:20	
480-171236-2	MW-6	Water	06/11/20 13:00	06/16/20 11:20	
480-171236-3	MW-12	Water	06/11/20 14:00	06/16/20 11:20	

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record 243350

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Lori Bixler	Site Contact: Nick Sura	Date: 6/15/20	COC No:
Company Name: Benchmark EES	Tel/Fax: 716-713-3937	Lab Contact: Brian Fisher	Carrier:	____ of ____ COCs
Address: 2558 Hamburg Tpke	Analysis Turnaround Time			Sampler:
City/State/Zip: Buffalo, NY 14218	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 716-713-3937	TAT if different from Below ____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: DeSpatch	☐ 1 week			
Site: 115 N Washington St	☐ 2 days			Job / SDG No.:
P O # B0040-062-400	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOC's	Sample Specific Notes:
MW-5	6/11/20	12:00	G	GW	3			X	
MW-6	6/11/20	13:00	G	GW	3			X	
MW-12	6/11/20	14:00	G	GW	3			X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____ 2

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:
Cat B deliverables

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.4 Corr'd: ____ | Therm ID No.: # ISLE

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Benchmark	6/15/20 1800			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			[illegible]	TA	6/16/20 1120

Login Sample Receipt Checklist

Client: Benchmark Env. Eng. & Science, PLLC

Job Number: 480-171236-1

Login Number: 171236

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	Benchmark
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	