February 1, 2023

Town of Sudbury
Earth Removal Board
278 Old Sudbury Road
Sudbury, MA 01776
Attn: Adam Duchesneau, Director of Planning & Community Development

RE: NSTAR Electric Company d/b/a Eversource Energy
Sudbury-Hudson 115 kV Transmission Line Project
Earth Removal Board Case #21-1

Dear Mr. Duchesneau:

Eversource is preparing to begin initial soil removal from the MBTA ROW within Sudbury. Soil removal is expected to begin as early as the week of February 20th, 2023 and will be either taken to a temporary stockpile location (not within the Town of Sudbury) or directly to a licensed soil disposal facilities (not within the Town of Sudbury).

Condition 15 of the Earth Removal Board Permit #21-1 requires Eversource to provide the results of the chemical testing performed on the stockpiled soils along with all documentation prepared by its LSP and the soil receiving facility prior to the loading and hauling of stockpiled soil to a licensed soil receiving facility. Eversource has obtained approval from two licensed soil disposal facilities thus far to accept exported soil from the project based on existing soil characterization data thus eliminating the need to temporarily stockpile the soil and sample prior to shipment to the facilities.

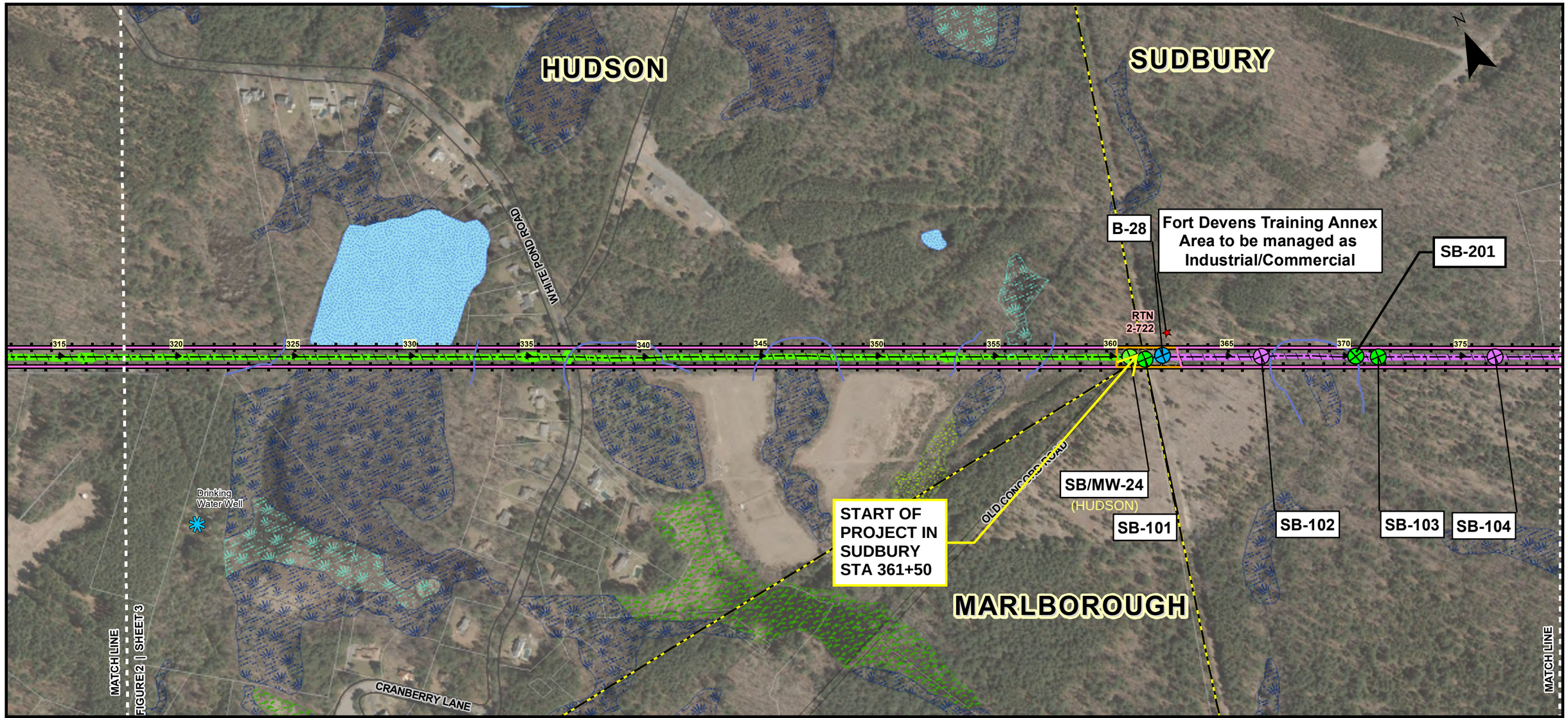
To meet the requirements of Condition 15, Eversource is providing the ERB with (i) a map showing the soil characterizations and sampling points along the MBTA ROW within the Town of Sudbury, (ii) the sampling results for each soil sample that was tested, and (iii) facility approvals and associated shipping documents for the acceptance of the soils obtained thus far. Please note, the soil sample results are the same results that have been previously provided to the ERB during the permit application process and in response to Condition 13. Should additional testing at one or more locations along the MBTA ROW be required by a soil disposal facility prior to accepting soils in the future, Eversource will conduct the required tests and provide the results to the ERB in accordance with the requirements of Condition 15.

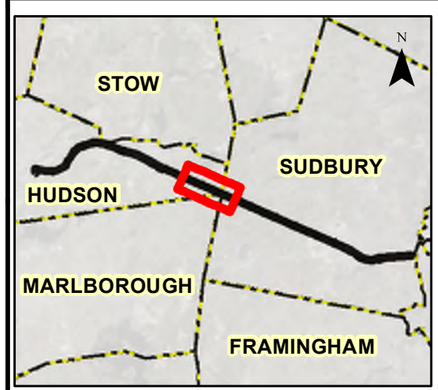
We trust that this submission satisfied the requirements of Condition 15. Feel free to contact me should there be any questions or need for clarifications.

Very truly yours,

Michael Hager
Project Manager
Eversource Energy
247 Station Drive
Westwood, MA 02090

Email: michael.hager@eversource.com





Legend

Project Area
- In-Road
- MBTA ROW

MBTA Segments
- Industrial /Commercial
- Residential /Rural

Town Information
- Parcels
- Roads
- Boundary

Wetland Areas
- Bog
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STA Callout
- Centerline
- 50ft Interval
- 500ft Interval

Soil Type
- Type A
- Type B-1 Soils
- Type C-1 Soils
- Type D-3 Soils

MCP Disposal Sites
- Sites of Concern
- All Other Sites

URAM Area
Former Railroad Stations
BufferZones

Type A Soil: Reuse at Sand and Gravel facility: Soils which do not contain oil or hazardous material (OHM) or contain OHM below levels consistent with "natural" soil per MassDEP's Similar Soils Provision Guidance (WSC-13-500) are not considered Remediation Waste; this includes soil that exhibits concentrations of TPH less than or equal to 25 parts per million (ppm). These "natural" soils may be reused at specific beneficial reuse locations on a case by case basis under the discretion of Eversource and may be reused at an active sand and gravel processing facility that holds a Site Assignment Authorization with approval from the LSP-of-Record.

Type B-1 Soil: Less than RCS-1 Beneficial Reuse: Soil containing OHM concentrations below MCP RCS-1 criteria can be used as fill material at off-site industrial/commercial locations provided that pre-existing OHM concentrations at the fill location are equal to or higher than those that existin the construction generated soil and are not located within the Utility Related Abatement Measure (URAM). Facilities must have a MassDEP approved Administrative Consent Order (ACO) in place in accordance with MassDEP Interim Policy COMM-15-01.

Type C-1 Soil: Massachusetts Unlined Landfills: Soil that contains OHM concentrations above MCP RCS-1 levels but below the criteria for Massachusetts Unlined landfills per MassDEP Policy COMM-97-001.

Type D-3 Soil: Non-Hazardous Waste Out of State RCRA Subtitle D Landfill Facility Daily Cover: Soil that contains OHM concentrations above MCP RCS-1 levels and above the criteria for Massachusetts unlined and lined landfills per MassDEP Policy COMM-97-001 but meets acceptance criteria for a permitted non-hazardous waste out of state Subtitle D landfill facility for use as daily cover.

500 250 0 500
Scale In Feet

FIGURE 2 | Sheet 4 of 8

SUDBURY TO HUDSON TRANSMISSION RELIABILITY PROJECT

SOIL & GROUNDWATER MANAGEMENT PLAN

MARCH 2022 SCALE: NOTED

Weston & Sampson

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SUDBURY

SURREY LANE

BENT BROOK ROAD

KENDALL ROAD

HOBART ROAD

N

SB-105

SB-107

SB-109

SB-111

SB-127

SB-115

SB-116

SB-203

SB-202

SB-205

AUSTIN ROAD

BULKLEY ROAD

AXDELL ROAD

AMANDA ROAD

Wayside Inn Station

RTN 3-24573

375 380 385 390 395 400 405 410 415 416 500 505 510 515 520

SB-206

SB-207

SB-204

CIRCLE COLBURN

SB-104

SB-106

SB-108

SB-110

SB-112

SB-113

SB/MW-128

SB-114

DUTTON ROAD

OLD GARRISON ROAD

CURTISS CIRCLE

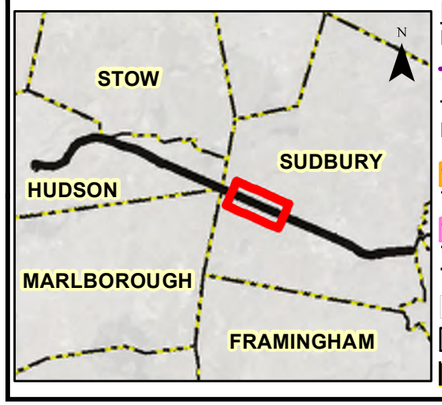
ROBERT BEST ROAD

PEAKHAM ROAD

MATCH LINE

FIGURE 2 | SHEET 4

MATCH LINE



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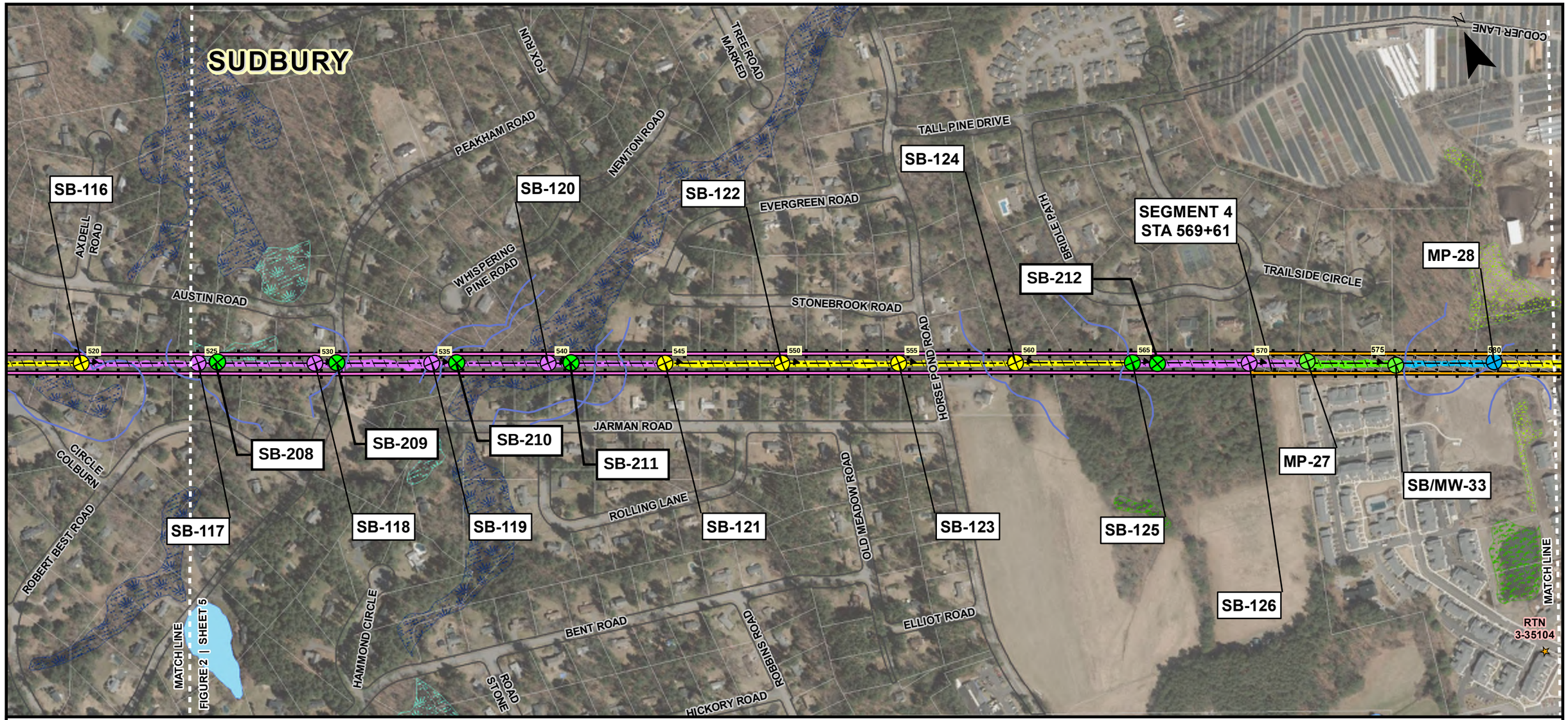

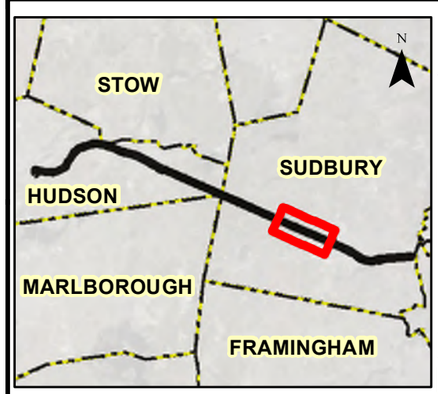

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FIGURE 2 | Sheet 6 of 8

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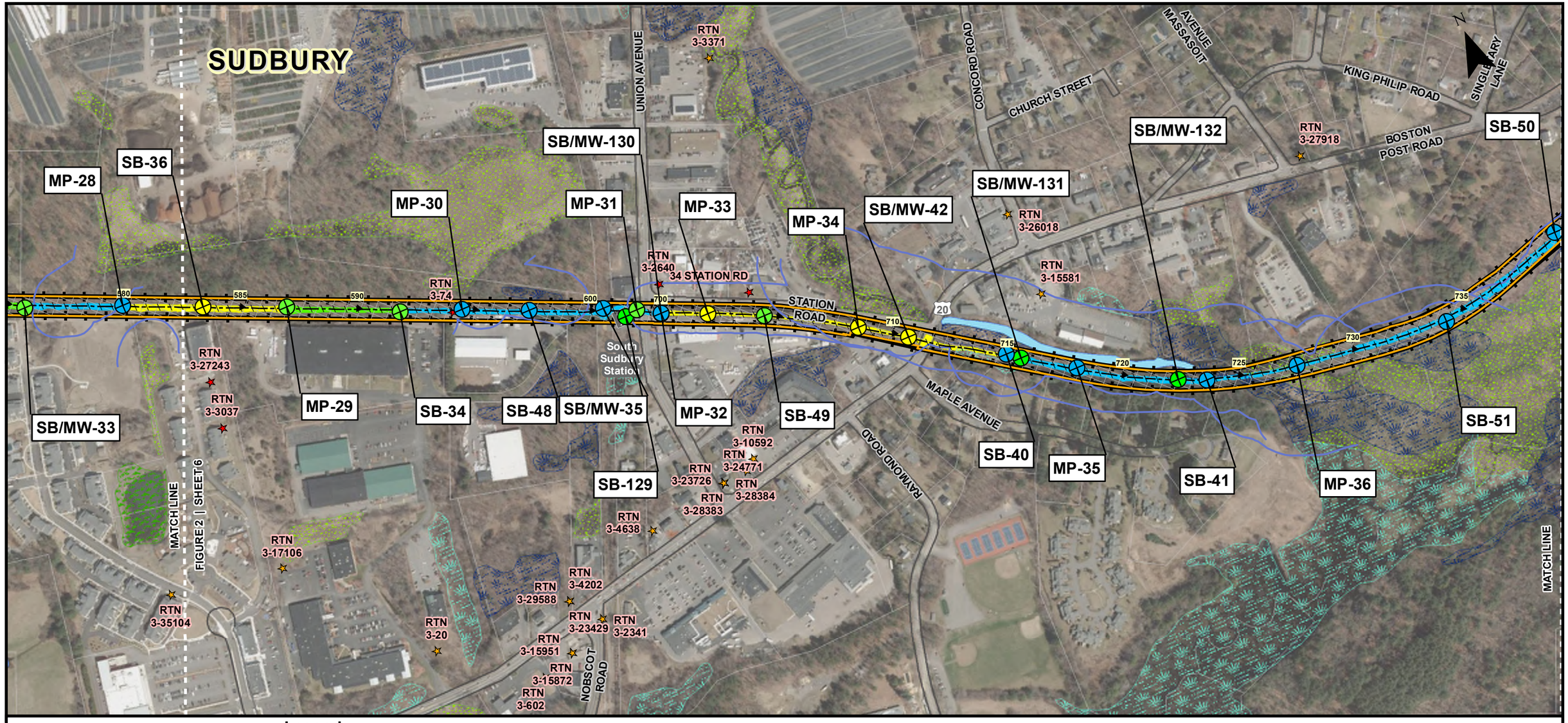

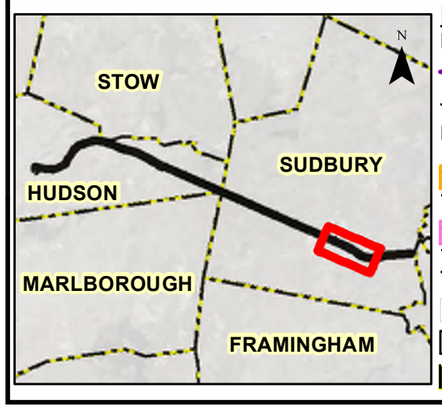

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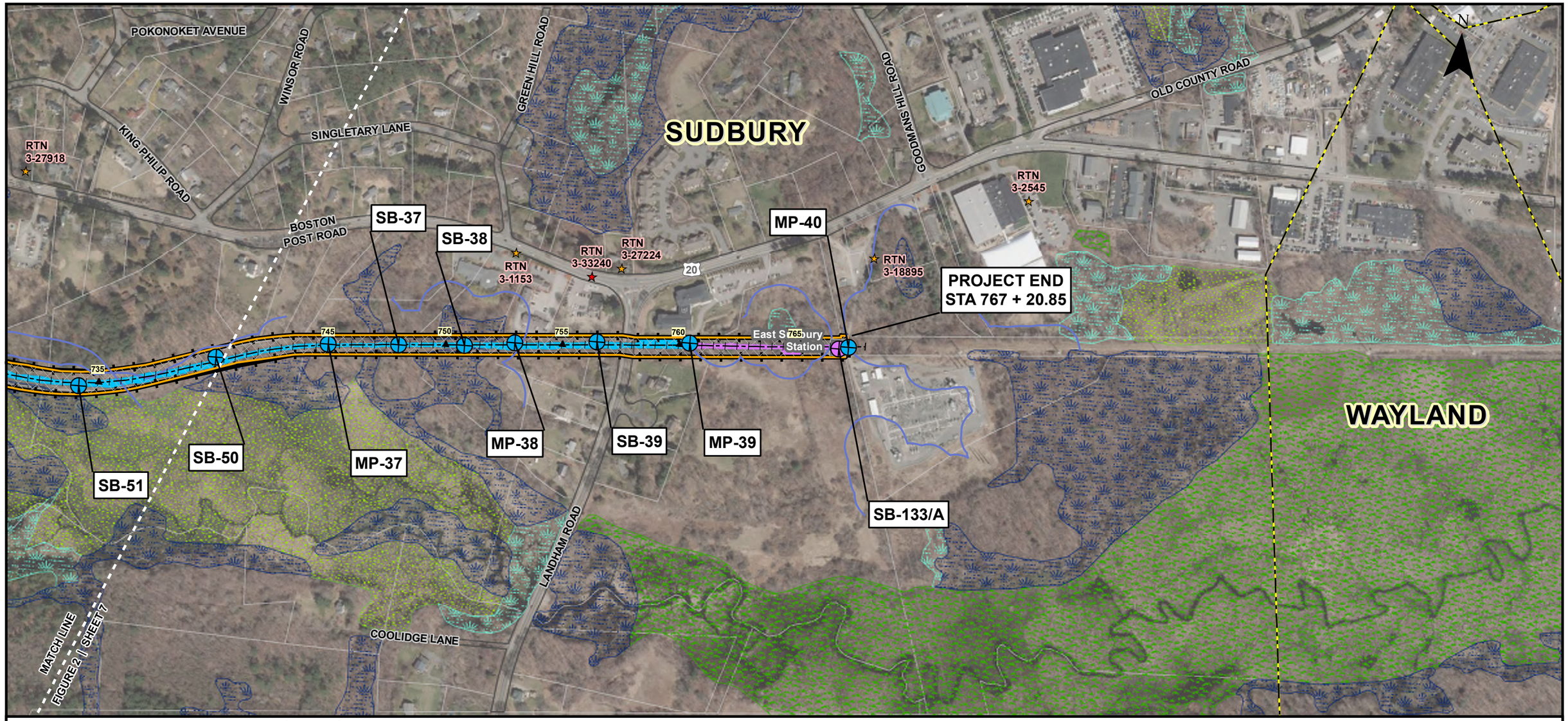

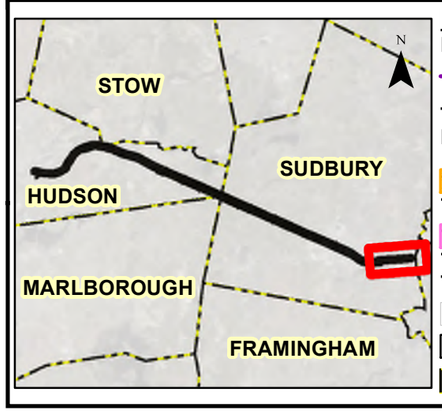

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Scale In Feet

FIGURE 2 | Sheet 8 of 8

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TABLE 1A
TYPE A SOIL CHARACTERIZATION RESULTS
SUDBURY TO HUDSON TRANSMISSION PROJECT
SUDBURY, MASSACHUSETTS

SAMPLE LOCATION	RCS-1	RCS-2	Similar Soils for RCS-1	Concentrations in "Natural Soil" at RCS-1 Receiving Location	MA Lined Landfill	MA Unlined Landfill	Units	SB49		MW/SB-33		SB34		MP27		MP29		MP31	
SAMPLE DATE								10/11/2018		11/07/2018		11/07/2018		11/05/2018		11/05/2018		11/06/2018	
LAB NUMBER								18J0746-03		18K0569-01		18K0569-04		18K0278-02		18K0278-04		18K0278-06	
PID READING (ppmV)								0.0		0.0		0.0		0.0		0.0		0.0	
SM 2540G																			
% SOLIDS	NE	NE	NE	NE	NE	NE	% Wt	83.9		80.6		82.4		89.1		92.6		81.6	
SM21-22 2510B Modified																			
SPECIFIC CONDUCTANCE	NE	NE	NE	NE	8000	NE	µmhos/cm	5.9		2.7		7.3		2.2		2.6		3.3	
SW-846 1030																			
IGNITABILITY	NE	NE	NE	NE	NE	NE	present/absent	Absent		Absent		Absent		Absent		Absent		Absent	
SW-846 6010D																			
ANTIMONY	20	30	10	1	NE	NE	mg/Kg	**2**	**U**	**2.1**	**U**	**2**	**U**	**1.9**	**U**	**1.8**	**U**	**2**	**U**
ARSENIC	20	20	20	20	40	40	mg/Kg	14		4.4		2.9		7.3		5		3.2	
BARIUM	1000	3000	375	50	NE	NE	mg/Kg	21		19		16		16		19		17	
BERYLLIUM	90	200	4	0.4	NE	NE	mg/Kg	0.31		0.21		0.24		0.19	U	0.18	U	0.2	U
CADMIUM	70	100	20	2	80	30	mg/Kg	0.47		0.21	U	0.2	U	0.26		0.2		0.2	U
CHROMIUM	100	200	100	30	1000	1000	mg/Kg	11		9.3		8.2		7.4		11		6.9	
LEAD	200	600	200	100	2000	1000	mg/Kg	6.4		3.3		6.8		5.2		3.6		13	
NICKEL	600	1000	150	20	NE	NE	mg/Kg	8.3		5.1		4.4		4.4		6.1		5.4	
SELENIUM	400	700	5	0.5	NE	NE	mg/Kg	**3.9**	**U**	**4.1**	**U**	**4**	**U**	**3.7**	**U**	**3.6**	**U**	**4.1**	**U**
SILVER	100	200	6	0.6	NE	NE	mg/Kg	0.39	U	0.41	U	0.4	U	0.37	U	0.36	U	0.41	U
THALLIUM	8	60	6	0.6	NE	NE	mg/Kg	2	U	2.1	U	2	U	1.9	U	1.8	U	2	U
VANADIUM	400	700	225	30	NE	NE	mg/Kg	13		12		10		8.9		13		7.8	
ZINC	1000	3000	500	100	NE	NE	mg/Kg	15		10		27		9.5		12		57	
SW-846 7471B																			
MERCURY	20	30	3	0.3	10	10	mg/Kg	0.029	U	0.031	U	0.03	U	0.029	U	0.026	U	0.031	U
SW-846 8081B																			
ALACHOR	NE	NE	NE	NE	NE	NE	mg/Kg	0.022	U	0.023	U	0.023	U	0.022	U	0.021	U	0.022	U
ALDRIN	0.08	0.5	NE	NE	NE	NE	mg/Kg	0.0056	U	0.0058	U	0.0057	U	0.0054	U	0.0052	U	0.0056	U
ALPHA-BHC	50	500	NE	NE	NE	NE	mg/Kg	0.0056	U	0.0058	U	0.0057	U	0.0054	U	0.0052	U	0.0056	U
BETA-BHC	10	100	NE	NE	NE	NE	mg/Kg	0.0056	U	0.0058	U	0.0057	U	0.0054	U	0.0052	U	0.0056	U
DELTA-BHC	10	100	NE	NE	NE	NE	mg/Kg	0.0056	U	0.0058	U	0.0057	U	0.0054	U	0.0052	U	0.0056	U
GAMMA-BHC (LINDANE)	0.003	0.5	NE	NE	NE	NE	mg/Kg	0.0022	U	0.0023	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
CHLORDANE	5	30	NE	NE	NE	NE	mg/Kg	0.022	U	0.023	U	0.023	U	0.022	U	0.021	U	0.022	U
4,4'-DDD	8	40	NE	NE	NE	NE	mg/Kg	0.0045	U	0.0047	U	0.0046	U	0.0043	U	0.0042	U	0.0045	U
4,4'-DDE	6	30	NE	NE	NE	NE	mg/Kg	0.0045	U	0.0047	U	0.0046	U	0.0043	U	0.0042	U	0.0045	U
4,4'-DDT	6	30	NE	NE	NE	NE	mg/Kg	0.0045	U	0.0047	U	0.0046	U	0.0043	U	0.0042	U	0.0045	U
DIELDRIN	0.08	0.5	NE	NE	NE	NE	mg/Kg	0.0045	U	0.0047	U	0.0046	U	0.0043	U	0.0042	U	0.0045	U
ENDOSULFAN I	0.5	1	NE	NE	NE	NE	mg/Kg	0.0056	U	0.0058	U	0.0057	U	0.0054	U	0.0052	U	0.0056	U
ENDOSULFAN II	0.5	1	NE	NE	NE	NE	mg/Kg	0.009	U	0.0094	U	0.0092	U	0.0086	U	0.0084	U	0.009	U
ENDOSULFAN SULFATE	~	~	NE	NE	NE	NE	mg/Kg	0.009	U	0.0094	U	0.0092	U	0.0086	U	0.0084	U	0.009	U
ENDRIN	10	20	NE	NE	NE	NE	mg/Kg	0.009	U	0.0094	U	0.0092	U	0.0086	U	0.0084	U	0.009	U
ENDRIN ALDEHYDE	10	100	NE	NE	NE	NE	mg/Kg	0.009	U	0.0094	U	0.0092	U	0.0086	U	0.0084	U	0.009	U
ENDRIN KETONE	~	~	NE	NE	NE	NE	mg/Kg	0.009	U	0.0094	U	0.0092	U	0.0086	U	0.0084	U	0.009	U
HEPTACHLOR	0.3	2	NE	NE	NE	NE	mg/Kg	0.0056	U	0.0058	U	0.0057	U	0.0054	U	0.0052	U	0.0056	U
HEPTACHLOR EPOXIDE	0.1	0.9	NE	NE	NE	NE	mg/Kg	0.0056	U	0.0058	U	0.0057	U	0.0054	U	0.0052	U	0.0056	U
HEXACHLOROBENZENE	0.7	0.8	NE	NE	NE	NE	mg/Kg	0.0067	U	0.007	U	0.0069	U	0.0065	U	0.0063	U	0.0067	U
METHOXYCHLOR	200	400	NE	NE	NE	NE	mg/Kg	0.056	U	0.058	U	0.057	U	0.054	U	0.052	U	0.056	U
TOXAPHENE	10	100	NE	NE	NE	NE	mg/Kg	0.11	U	0.12	U	0.11	U	0.11	U	0.1	U	0.11	U
SW-846 8082A																			
PCB 1016	1	4	NE	NE	NE	NE	mg/Kg	0.09	U	0.094	U	0.095	U	0.086	U	0.084	U	0.09	U
PCB 1221	1	4	NE	NE	NE	NE	mg/Kg	0.09	U	0.094	U	0.095	U	0.086	U	0.084	U	0.09	U
PCB 1232	1	4	NE	NE	NE	NE	mg/Kg	0.09	U	0.094	U	0.095	U	0.086	U	0.084	U	0.09	U
PCB 1242	1	4	NE	NE	NE	NE	mg/Kg	0.09	U	0.094	U	0.095	U	0.086	U	0.084	U	0.09	U
PCB 1248	1	4	NE	NE	NE	NE	mg/Kg	0.09	U	0.094	U	0.095	U	0.086	U	0.084	U	0.09	U
PCB 1254	1	4	NE	NE	NE	NE	mg/Kg	0.09	U	0.094	U	0.095	U	0.086	U	0.084	U	0.09	U
PCB 1260	1	4	NE	NE	NE	NE	mg/Kg	0.09	U	0.094	U	0.095	U	0.086	U	0.084	U	0.09	U
PCB 1262	1	4	NE	NE	NE	NE	mg/Kg	0.09	U	0.094	U	0.095	U	0.086	U	0.084	U	0.09	U
PCB 1268	1	4	NE	NE	NE	NE	mg/Kg	0.09	U	0.094	U	0.095	U	0.086	U	0.084	U	0.09	U
Total PCBs	NE	NE	NE	0.1	NE	NE	mg/Kg	0.09	U	0.094	U	0.095	U	0.086	U	0.084	U	0.09	U
SW-846 8100 Modified																			
TPH	1000	3000	NE	NE	5000	2500	mg/Kg	21		12		22		20		12		18	
SW-846 8151A																			
2,4-D	100000	1000000	NE	NE	NE	NE	µg/kg	30	U	31	U	150	U	28	U	27	U	30	U
2,4-DB	100000	1000000	NE	NE	NE	NE	µg/kg	30	U	31	U	150	U	28	U	27	U	30	U
2,4,5-TP (SILVEX)	100000	1000000	NE	NE	NE	NE	µg/kg	3	U	3.1	U	15	U	2.8	U	2.7	U	3	U
2,4,5-T	100000	1000000	NE	NE	NE	NE	µg/kg	3	U	3.1	U	15	U	2.8	U	2.7	U	3	U
DALAPON	NE	NE	NE	NE	NE	NE	µg/kg	75	U	78	U	380	U	70	U	67	U	76	U
DICAMBA	500000	5000000	NE	NE	NE	NE	µg/kg	3	U	3.1	U	15	U	2.8	U	2.7	U	3	U
DICHLOROPROP	NE	NE	NE	NE	NE	NE	µg/kg	30	U	31	U	150	U	28	U	27	U	30	U
DINOSEB	500000	5000000	NE	NE	NE	NE	µg/kg	15	U	16	U	76	U	14	U	13	U	15	U
MCPA	100000	1000000	NE	NE	NE	NE	µg/kg	3,000	U	3100	U	15000	U	2,800	U	2,700	U	3,000	U
MCPP	NE	NE	NE	NE	NE	NE	µg/kg	3,000	U	3100	U	15000	U	2,800	U	2,700	U	3,000	U
SW-846 8260C																			
ACETONE	6	50	NE	NE	NE	NE	mg/Kg	0.089	U	0.076	U	0.069	U	0.08	U	0.072	U	0.095	U
TERT-AMYL METHYL ETHER	NE	NE	NE	NE	NE	NE	mg/Kg	0.00089	U	0.00076	U	0.00069	U	0.0008	U	0.00072	U	0.00095	U
BENZENE	2	200	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
BROMOBENZENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
BROMOCHLOROMETHANE	NE	NE	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
BROMODICHLOROMETHANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
BROMOFORM	0.1	1	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
BROMOMETHANE	0.5	0.5	NE	NE	NE	NE	mg/Kg	0.0089	U	0.0076	U	0.0069	U	0.008	U	0.0072	U	0.0095	U
2-BUTANONE (MEK)	4	50	NE	NE	NE	NE	mg/Kg	0.036	U	0.03	U	0.028	U	0.032	U	0.029	U	0.038	U
N-BUTYLBENZENE	NE	NE	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
SEC-BUTYLBENZENE	NE	NE	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
TERT-BUTYLBENZENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
TERT-BUTYLETHYL ETHER	NE	NE	NE	NE	NE	NE	mg/Kg	0.00089	U	0.00076	U	0.00069	U	0.0008	U	0.00072	U	0.00095	U
CARBON DISULFIDE	100	1000	NE	NE	NE	NE	mg/Kg	0.0054	U	0.0045	U	0.0042	U	0.0048	U	0.0043	U	0.0057	U
CARBON TETRACHLORIDE	5	5	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
CHLOROBENZENE	1	3	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
CHLORODIBROMOMETHANE	0.005	0.03	NE	NE	NE	NE	mg/Kg	0.00089	U	0.00076	U	0.00069	U	0.0008	U	0.00072	U	0.00095	U
CHLOROETHANE	100	1000	NE	NE	NE	NE	mg/Kg	0.0089	U	0.0076	U	0.0069	U	0.008	U	0.0072	U	0.0095	U
CHLOROFORM	0.2	0.2	NE	NE	NE	NE	mg/Kg	0.0036	U	0.003	U	0.0028	U	0.0032	U	0.0029	U	0.0038	U
CHLOROMETHANE	100	1000	NE	NE	NE	NE	mg/Kg	0.0089	U	0.0076	U	0.0069	U	0.008	U	0.0072	U	0.0095	U
2-CHLOROTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
4-CHLOROTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,2-DIBROMO-3-CHLOROPROPANE	10	100	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,2-DIBROMOETHANE (EDB)	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.00089	U	0.00076	U	0.00069	U	0.0008	U	0.00072	U	0.00095	U
DIBROMOMETHANE	500	5000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,2-DICHLOROBENZENE	9	100	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,3-DICHLOROBENZENE	3	200	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,4-DICHLOROBENZENE	0.7	1	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
DICHLORODIFLUOROMETHANE	1000	10000	NE	NE	NE	NE	mg/Kg	0.0089	U	0.0076	U	0.0069	U	0.008	U	0.0072	U	0.0095	U
1,1-DICHLOROETHANE	0.4	9	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,2-DICHLOROETHANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,1-DICHLOROETHYLENE	3	40	NE	NE	NE	NE	mg/Kg	0.0036	U	0.003	U	0.0028	U	0.0032	U	0.0029	U	0.0038	U
CIS-1,2-DICHLOROETHYLENE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
TRANS-1,2-DICHLOROETHYLENE	1	1	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,2-DICHLOROPROPANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,3-DICHLOROPROPANE	500	5000	NE	NE	NE	NE	mg/Kg	0.00089	U	0.00076	U	0.00069	U	0.0008	U	0.00072	U	0.00095	U
2,2-DICHLOROPROPANE	0.1	0.2	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,1-DICHLOROPROPENE	0.01	0.1	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
CIS-1,3-DICHLOROPROPENE	0.01	0.1	NE	NE	NE	NE	mg/Kg	0.00089	U	0.00076	U	0.00069	U	0.0008	U	0.00072	U	0.00095	U
TRANS-1,3-DICHLOROPROPENE	0.01	0.1	NE	NE	NE	NE	mg/Kg	0.00089	U	0.00076	U	0.00069	U	0.0008	U	0.00072	U	0.00095	U
DIETHYL ETHER	100	1000	NE	NE	NE	NE	mg/Kg	0.0089	U	0.0076	U	0.0069	U	0.008	U	0.0072	U	0.0095	U
DIISOPROPYL ETHER	100	1000	NE	NE	NE	NE	mg/Kg	0.00089	U	0.00076	U	0.00069	U	0.0008	U	0.00072	U	0.00095	U
1,4-DIOXANE	0.2	6	NE	NE	NE	NE	mg/Kg	0.089	U	0.076	U	0.028	U	0.08	U	0.072	U	0.095	U

TABLE 1A
TYPE A SOIL CHARACTERIZATION RESULTS
SUDBURY TO HUDSON TRANSMISSION PROJECT
SUDBURY, MASSACHUSETTS

SAMPLE LOCATION	RCS-1	RCS-2	Similar Soils for RCS-1	Concentrations in "Natural Soil" at RCS-1 Receiving Location	MA Lined Landfill	MA Unlined Landfill	Units	SB49		MW/SB-33		SB34		MP27		MP29		MP31	
SAMPLE DATE								10/11/2018		11/07/2018		11/07/2018		11/05/2018		11/05/2018		11/06/2018	
LAB NUMBER								18J0746-03		18K0569-01		18K0569-04		18K0278-02		18K0278-04		18K0278-06	
PID READING (ppmV)								0.0		0.0		0.0		0.0		0.0		0.0	
SW-846 8260C Continued																			
ETHYLBENZENE	40	1000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
HEXACHLOROBUTADIENE	30	100	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
2-HEXANONE	100	1000	NE	NE	NE	NE	mg/Kg	0.018	U	0.015	U	0.014	U	0.016	U	0.014	U	0.019	U
ISOPROPYLBENZENE	1000	10000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
P-ISOPROPYLTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
METHYL TERT-BUTYL ETHER (MTBE)	0.1	100	NE	NE	NE	NE	mg/Kg	0.0036	U	0.003	U	0.0028	U	0.0032	U	0.0029	U	0.0038	U
METHYLENE CHLORIDE	0.1	20	NE	NE	NE	NE	mg/Kg	0.0089	U	0.0076	U	0.0069	U	0.008	U	0.0072	U	0.0095	U
4-METHYL-2-PENTANONE (MIBK)	0.4	50	NE	NE	NE	NE	mg/Kg	0.018	U	0.015	U	0.014	U	0.016	U	0.014	U	0.019	U
NAPHTHALENE	4	20	NE	NE	NE	NE	mg/Kg	0.0089	U	0.0076	U	0.0069	U	0.0032	U	0.0029	U	0.0038	U
N-PROPYLBENZENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
STYRENE	3	4	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,1,1,2-TETRACHLOROETHANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,1,2,2-TETRACHLOROETHANE	0.005	0.02	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
TETRACHLOROETHYLENE	1	10	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
TETRAHYDROFURAN	500	5000	NE	NE	NE	NE	mg/Kg	0.0089	U	0.0076	U	0.0069	U	0.008	U	0.0072	U	0.0095	U
TOLUENE	30	1000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,2,3-TRICHLOROBENZENE	NE	NE	NE	NE	NE	NE	mg/Kg	0.0036	U	0.003	U	0.0028	U	0.0016	U	0.0014	U	0.0019	U
1,2,4-TRICHLOROBENZENE	2	6	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,1,1-TRICHLOROETHANE	30	600	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,1,2-TRICHLOROETHANE	0.1	2	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
TRICHLOROETHYLENE	0.3	0.3	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
TRICHLOROFLUOROMETHANE	1000	10000	NE	NE	NE	NE	mg/Kg	0.0089	U	0.0076	U	0.0069	U	0.008	U	0.0072	U	0.0095	U
1,2,3-TRICHLOROPROPANE	100	1000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,2,4-TRIMETHYLBENZENE	1000	10000	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
1,3,5-TRIMETHYLBENZENE	10	100	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
VINYL CHLORIDE	0.7	0.7	NE	NE	NE	NE	mg/Kg	0.0089	U	0.0076	U	0.0069	U	0.008	U	0.0072	U	0.0095	U
M/P-XYLENE	100	100	NE	NE	NE	NE	mg/Kg	0.0036	U	0.003	U	0.0028	U	0.0032	U	0.0029	U	0.0038	U
O-XYLENE	100	100	NE	NE	NE	NE	mg/Kg	0.0018	U	0.0015	U	0.0014	U	0.0016	U	0.0014	U	0.0019	U
SW-846 8270D				NE															
ACENAPHTHENE	4	3000	4	0.5	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
ACENAPHTHYLENE	1	10	1	0.5	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
ACETOPHENONE	1000	10000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
ANILINE	1000	10000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
ANTHRACENE	1000	3000	10	1	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
BENZO(A)ANTHRACENE	7	40	7	2	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
BENZO(A)PYRENE	2	7	2	2	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
BENZO(B)FLUORANTHENE	7	40	7	2	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
BENZO(G,H,I)PERYLENE	1000	3000	10	1	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
BENZO(K)FLUORANTHENE	70	400	10	1	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
BIS(2-CHLOROETHOXY)METHANE	500	5000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
BIS(2-CHLOROETHYL)ETHER	0.7	0.7	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
BIS(2-CHLOROISOPROPYL)ETHER	0.7	0.7	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
BIS(2-ETHYLHEXYL)PHTHALATE	90	600	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
4-BROMOPHENYL PHENYL ETHER	100	1000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
BUTYLBENZYLPHTHALATE	100	1000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
4-CHLOROANILINE	1	3	NE	NE	NE	NE	mg/Kg	0.78	U	0.82	U	0.79	U	0.73	U	0.69	U	0.8	U
2-CHLORONAPHTHALENE	1000	10000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
2-CHLOROPHENOL	0.7	100	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
CHRYSENE	70	400	20	2	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
DIBENZ(A,H)ANTHRACENE	0.7	4	0.7	0.5	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
DIBENZOFURAN	100	1000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
DI-N-BUTYLPHTHALATE	50	500	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
1,2-DICHLOROBENZENE	9	100	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
1,3-DICHLOROBENZENE	3	200	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
1,4-DICHLOROBENZENE	0.7	1	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
3,3'-DICHLOROBENZIDINE	3	20	NE	NE	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
2,4-DICHLOROPHENOL	0.7	40	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
DIETHYLPHTHALATE	10	200	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
2,4-DIMETHYLPHENOL	0.7	100	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
DIMETHYLPHTHALATE	0.7	50	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
2,4-DINITROPHENOL	3	50	NE	NE	NE	NE	mg/Kg	0.78	U	0.82	U	0.79	U	0.73	U	0.69	U	0.8	U
2,4-DINITROTOLUENE	0.7	10	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
2,6-DINITROTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
DI-N-OCTYLPHTHALATE	1000	10000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	50	500	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
FLUORANTHENE	1000	3000	40	4	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
FLUORENE	1000	3000	10	1	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
HEXACHLOROBENZENE	0.7	0.8	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
HEXACHLOROBUTADIENE	30	100	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
HEXACHLOROETHANE	0.7	3	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
INDENO(1,2,3-CD)PYRENE	7	40	7	1	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
ISOPHORONE	100	1000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
2-METHYLNAPHTHALENE	0.7	80	0.7	0.5	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
O-CRESOL	500	5000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
M/P-CRESOL	500	5000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
NAPHTHALENE	4	20	4	0.5	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
NITROBENZENE	500	5000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
2-NITROPHENOL	100	1000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
4-NITROPHENOL	100	1000	NE	NE	NE	NE	mg/Kg	0.78	U	0.82	U	0.79	U	0.73	U	0.69	U	0.8	U
PENTACHLOROPHENOL	3	10	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
PHENANTHRENE	10	1000	10	3	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
PHENOL	1	20	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
PYRENE	1000	3000	40	4	NE	NE	mg/Kg	0.2	U	0.21	U	0.2	U	0.19	U	0.18	U	0.21	U
PYRIDINE	500	5000	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
1,2,4-TRICHLOROBENZENE	2	6	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
2,4,5-TRICHLOROPHENOL	4	600	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
2,4,6-TRICHLOROPHENOL	0.7	20	NE	NE	NE	NE	mg/Kg	0.4	U	0.42	U	0.41	U	0.37	U	0.36	U	0.41	U
SW-846 9014																			
REACTIVE CYANIDE	NE	NE	NE	NE	NE	NE	mg/Kg	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U
SW-846 9030A																			
REACTIVE SULFIDE	NE	NE	NE	NE	NE	NE	mg/Kg	20	U	20	U	19	U	19	U	19	U	20	U
SW-846 9045C																			
PH	NE	NE	NE	NE	NE	NE	pH Units	5.9		5.9		4.9		5.2		5.1		5.3	

NOTES:
Bolded, shaded, and underlined results meet or exceed regulatory threshold
Bolded results are a laboratory detection limit that exceed a regulatory threshold
Bolded and italic results meet or exceed Similar Soils Natural Background
RCS-x = MCP Reportable Concentrations for Soil Category x

U = Not detected above the laboratory reporting limits shown to the left of the "U"
NE = Standard not established
mg/kg = Milligrams per kilogram, aslo known as parts per million
J = Modfied results based on quality control analysis

SOIL DISPOSAL CLASSIFICATION CATEGORIES

Type A Soil: Reuse at Sand and Gravel facility: Soils which do not contain oil or hazardous material (OHM) or contain OHM below levels consistent with "natural" soil per MassDEP's Similar Soils Provision Guidance (WSC-13-500) are not considered Remediation Waste; this includes soil that exhibits concentrations of TPH less than or equal to 25 parts per million (ppm). These "natural" soils may be reused at specific beneficial reuse locations on a case by case basis under the discretion of Eversource and may be reused at an active sand and gravel processing facility that holds a Site Assignment Authorization with approval from the LSP-of-Record. Facilities that are reclaiming former sand and gravel pits must have a MassDEP approved ACO in place in accordance with MassDEP Interim Policy COMM-15-01: Re-Use of Soil for Large Reclamation Projects Policy.

Type B-1 Soil: <RCS-1 Beneficial Reuse: Soil containing OHM concentrations below MCP RCS-1 criteria can be used as fill material at off-site industrial/commercial locations provided that pre-existing OHM concentrations at the fill location are equal to or higher than those that exist in the construction generated soil and are not located within the Utility Related Abatement Measure (URAM). Facilities must have a MassDEP approved Administrative Consent Order (ACO) in place in accordance with MassDEP Interim Policy COMM-15-01.

Type C-1 Soil: Massachusetts Unlined Landfills: Soil that contains OHM concentrations above MCP RCS-1 levels but below the criteria for Massachusetts Unlined landfills per MassDEP Policy COMM-97-001.

TABLE 1B
TYPE B-1 SOIL CHARACTERIZATION RESULTS
SUDBURY TO HUDSON TRANSMISSION PROJECT
SUDBURY, MASSACHUSETTS

SAMPLE LOCATION	RCS-1	RCS-2	Similar Soils for RCS-1	Concentrations in "Natural Soil" at RCS-1 Receiving Location	MA Lined Landfill	MA Unlined Landfill	Units	MP32	MP36	MW/SB-35	B28	MP28	MP30	MP35	MP37	MP38	MP39	SB-37	SB-38	SB-39	SB-50	SB-51	SB40	SB41	SB48	MP-40
SAMPLE DATE								10/11/2018	10/18/2018	11/07/2018	11/13/2018	11/05/2018	11/06/2018	11/06/2018	10/26/2018	10/26/2018	10/26/2018	10/25/2018	10/25/2018	10/25/2018	10/25/2018	10/24/2018	11/15/2018	11/15/2018	11/15/2018	10/02/2018
LAB NUMBER								18J0746-01	1810642-01	18K0569-03	18K0931-01	18K0278-03	18K0278-05	18K0278-07	18J1553-06	18J1553-07	18J1553-08	18J1553-03	18J1553-04	18J1553-05	18J1553-02	18J1553-01	18K1190-02	18K1190-03	18K1190-01	18J0192-01
PID READING (ppmV)								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0
SM 2540G																										
% SOLIDS	NE	NE	NE	NE	NE	NE	% Wt	84	77.0	83.3	87.7	86.3	82	83.4	91.3	91.5	90.6	90.7	86.2	90.9	79.6	84.6	82.6	79.9	77.3	83.3
SM21-22 2510B Modified																										
SPECIFIC CONDUCTANCE	NE	NE	NE	NE	8000	NE	µmhos/cm	8.1	318	3.1	6	2.7	3.8	2.8	3	3.5	2.4	2 U	4.4	2.8	3.8	2.9	4.3	3.6	2 U	5.7
SW-846 1030																										
IGNITABILITY	NE	NE	NE	NE	NE	NE	present/absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
SW-846 6010D																										
ANTIMONY	20	30	10	1	NE	NE	mg/Kg	**2 U**	**5.25 U**	**2 U**	**1.9 U**	**1.9 U**	**2 U**	**2 U**	**1.8 U**	**1.8 U**	**1.8 U**	**1.8 U**	**1.9 U**	**1.8 U**	**2.1 U**	**2 U**	**2 U**	**2.1 U**	**2.2 U**	**2 U**
ARSENIC	20	20	20	20	40	40	mg/Kg	18	8.42	2.5	14	3.6	9.3	5.9	5.6	11	7.3	14	3.9	11	7.2	18	12	9.2	4.2	3.4
BARIUM	1000	3000	375	50	NE	NE	mg/Kg	22	17.0	16	46	21	19	36	26	***78***	***120***	***52***	26	***92***	36	***61***	23	19	32	35
BERYLLIUM	90	200	4	0.4	NE	NE	mg/Kg	0.26	0.23	0.23	0.29	0.19 U	0.27	***0.41***	0.26	***0.49***	***0.6***	***0.48***	***0.43***	***0.48***	***0.42***	***0.43***	0.37	0.35	***0.42***	***0.45***
CADMIUM	70	100	20	2	80	30	mg/Kg	0.62	0.52 U	0.2 U	0.37	0.19 U	0.34	0.26	0.18	0.35	0.27	0.43	0.19 U	0.38	0.26	0.57	0.45	0.35	0.22 U	0.2 U
CHROMIUM	100	200	100	30	1000	1000	mg/Kg	13	11.0	9.2	13	7	11	16	8.6	21	20	17	12	21	14	18	11	10	13	16
LEAD	200	600	200	100	2000	1000	mg/Kg	26	8.08	6.9	26	6	7.4	10	19	12	8.7	14	13	12	9.3	13	8.9	8.9	9.4	5.1
NICKEL	600	1000	150	20	NE	NE	mg/Kg	8.4	7.21	7.7	13	4	5.8	12	7.2	18	16	13	8.1	16	8.2	15	8.1	7.8	8.7	11
SELENIUM	400	700	5	0.5	NE	NE	mg/Kg	3.9 U	**5.25 U**	**4 U**	**3.8 U**	**3.8 U**	**4.1 U**	**3.9 U**	**3.6 U**	**3.6 U**	**3.7 U**	**3.7 U**	**3.8 U**	**3.7 U**	**4.2 U**	**4 U**	**4 U**	**4.2 U**	**4.3 U**	**3.9 U**
SILVER	100	200	6	0.6	NE	NE	mg/Kg	0.39 U	0.52 U	0.4 U	0.38 U	0.38 U	0.41 U	0.39 U	0.36 U	0.36 U	0.37 U	0.37 U	0.38 U	0.37 U	0.42 U	0.4 U	0.4 U	0.42 U	0.43 U	0.39 U
THALLIUM	8	60	6	0.6	NE	NE	mg/Kg	2 U	5.25 U	2 U	1.9 U	1.9 U	2 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	2.1 U	2 U	2 U	2.1 U	2.2 U	2 U
VANADIUM	400	700	225	30	NE	NE	mg/Kg	14	10.2	10	16	9.9	15	21	11	23	22	21	15	29	15	26	15	13	13	22
ZINC	1000	3000	500	100	NE	NE	mg/Kg	28	13.2	16	14	7.8	14	22	15	43	33	29	16	40	21	26	18	14	17	22
SW-846 7471B																										
MERCURY	20	30	3	0.3	10	10	mg/Kg	0.029 U	0.028 U	0.029 U	0.028 U	0.029 U	0.03 U	0.03 U	0.027 U	0.027 U	0.027 U	0.027 U	0.028 U	0.027 U	0.031 U	0.03 U	0.03 U	0.033 U	0.032 U	0.029 U
SW-846 8081B																										
ALACHOR	NE	NE	NE	NE	NE	NE	mg/Kg	0.23 U	0.0032 U	0.022 U	0.021 U	0.022 U	0.024 U	0.022 U	0.021 U	0.022 U	0.022 U	0.021 U	0.023 U	0.022 U	0.025 U	0.023 U	0.024 U	0.025 U	0.025 U	0.24 U
ALDRIN	0.08	0.5	NE	NE	NE	NE	mg/Kg	0.057 U	0.0032 U	0.0056 U	0.0053 U	0.0055 U	0.0059 U	0.0055 U	0.0052 U	0.0054 U	0.0055 U	0.0052 U	0.0056 U	0.0054 U	0.0062 U	0.0057 U	0.0059 U	0.0062 U	0.0062 U	0.059 U
ALPHA-BHC	50	500	NE	NE	NE	NE	mg/Kg	0.057 U	0.0032 U	0.0056 U	0.0053 U	0.0055 U	0.0059 U	0.0055 U	0.0052 U	0.0054 U	0.0055 U	0.0052 U	0.0056 U	0.0054 U	0.0062 U	0.0057 U	0.0059 U	0.0062 U	0.0062 U	0.059 U
BETA-BHC	10	100	NE	NE	NE	NE	mg/Kg	0.057 U	0.0032 U	0.0056 U	0.0053 U	0.0055 U	0.0059 U	0.0055 U	0.0052 U	0.0054 U	0.0055 U	0.0052 U	0.0056 U	0.0054 U	0.0062 U	0.0057 U	0.0059 U	0.0062 U	0.0062 U	0.059 U
DELTA-BHC	10	100	NE	NE	NE	NE	mg/Kg	0.057 U	0.0032 U	0.0056 U	0.0053 U	0.0055 U	0.0059 U	0.0055 U	0.0052 U	0.0054 U	0.0055 U	0.0052 U	0.0056 U	0.0054 U	0.0062 U	0.0057 U	0.0059 U	0.0062 U	0.0062 U	0.059 U
GAMMA-BHC (LINDANE)	0.003	0.5	NE	NE	NE	NE	mg/Kg	**0.023** U	0.0019 U	0.0022 U	0.0021 U	0.0022 U	0.0024 U	0.0022 U	0.0021 U	0.0022 U	0.0022 U	0.0021 U	0.0023 U	0.0022 U	0.0025 U	0.0023 U	0.0024 U	0.0025 U	0.0025 U	0.024 U
CHLORDANE	5	30	NE	NE	NE	NE	mg/Kg	0.23 U	0.0259 U	0.022 U	0.021 U	0.022 U	0.024 U	0.022 U	0.021 U	0.022 U	0.022 U	0.021 U	0.023 U	0.022 U	0.025 U	0.023 U	0.024 U	0.025 U	0.025 U	0.24 U
4,4'-DDD	8	40	NE	NE	NE	NE	mg/Kg	0.046 U	0.0032 U	0.0045 U	0.0043 U	0.0044 U	0.0047 U	0.0044 U	0.0042 U	0.0043 U	0.0044 U	0.0042 U	0.0045 U	0.0044 U	0.0049 U	0.0046 U	0.0047 U	0.005 U	0.0049 U	0.048 U
4,4'-DDE	6	30	NE	NE	NE	NE	mg/Kg	0.046 U	0.0032 U	0.0045 U	0.0043 U	0.0044 U	0.0047 U	0.0044 U	0.0042 U	0.0043 U	0.0044 U	0.0042 U	0.0045 U	0.0044 U	0.0049 U	0.0046 U	0.0047 U	0.005 U	0.0049 U	0.048 U
4,4'-DDT	6	30	NE	NE	NE	NE	mg/Kg	0.046 U	0.0032 U	0.0045 U	0.0078	0.0044 U	0.0047 U	0.0044 U	0.0042 U	0.0043 U	0.0044 U	0.0098	0.0045 U	0.0089	0.0049 U	0.0088	0.0047 U	0.005 U	0.0049 U	0.048 U
DIELDRIN	0.08	0.5	NE	NE	NE	NE	mg/Kg	0.046 U	0.0032 U	0.0045 U	0.0043 U	0.0044 U	0.0047 U	0.0044 U	0.0042 U	0.0043 U	0.0044 U	0.0042 U	0.0045 U	0.0044 U	0.0049 U	0.0046 U	0.0047 U	0.005 U	0.0049 U	0.048 U
ENDOSULFAN I	0.5	1	NE	NE	NE	NE	mg/Kg	0.057 U	0.0032 U	0.0056 U	0.0053 U	0.0055 U	0.0059 U	0.0055 U	0.0052 U	0.0054 U	0.0055 U	0.0052 U	0.0056 U	0.0054 U	0.0062 U	0.0057 U	0.0059 U	0.0062 U	0.0062 U	0.059 U
ENDOSULFAN II	0.5	1	NE	NE	NE	NE	mg/Kg	0.092 U	0.0032 U	0.009 U	0.0085 U	0.0087 U	0.0095 U	0.0089 U	0.0083 U	0.0087 U	0.0087 U	0.0083 U	0.009 U	0.0087 U	0.0099 U	0.0092 U	0.0095 U	0.0099 U	0.0099 U	0.095 U
ENDOSULFAN SULFATE	~	~	NE	NE	NE	NE	mg/Kg	0.092 U	0.0032 U	0.009 U	0.0085 U	0.0087 U	0.0095 U	0.0089 U	0.0083 U	0.0087 U	0.0087 U	0.0083 U	0.009 U	0.0087 U	0.0099 U	0.0092 U	0.0095 U	0.0099 U	0.0099 U	0.095 U
ENDRIN	10	20	NE	NE	NE	NE	mg/Kg	0.092 U	0.0032 U	0.009 U	0.0085 U	0.0087 U	0.0095 U	0.0089 U	0.0083 U	0.0087 U	0.0087 U	0.0083 U	0.009 U	0.0087 U	0.0099 U	0.0092 U	0.0095 U	0.0099 U	0.0099 U	0.095 U
ENDRIN ALDEHYDE	10	100	NE	NE	NE	NE	mg/Kg	0.092 U	0.0032 U	0.009 U	0.0085 U	0.0087 U	0.0095 U	0.0089 U	0.0083 U	0.0087 U	0.0087 U	0.0083 U	0.009 U	0.0087 U	0.0099 U	0.0092 U	0.0095 U	0.0099 U	0.0099 U	0.095 U
ENDRIN KETONE	~	~	NE	NE	NE	NE	mg/Kg	0.092 U	0.0032 U	0.009 U	0.0085 U	0.0087 U	0.0095 U	0.0089 U	0.0083 U	0.0087 U	0.0087 U	0.0083 U	0.009 U	0.0087 U	0.0099 U	0.0092 U	0.0095 U	0.0099 U	0.0099 U	0.095 U
HEPTACHLOR	0.3	2	NE	NE	NE	NE	mg/Kg	0.057 U	0.0032 U	0.0056 U	0.0053 U	0.0055 U	0.0059 U	0.0055 U	0.0052 U	0.0054 U	0.0055 U	0.0052 U	0.0056 U	0.0054 U	0.0062 U	0.0057 U	0.0059 U	0.0062 U	0.0062 U	0.059 U
HEPTACHLOR EPOXIDE	0.1	0.9	NE	NE	NE	NE	mg/Kg	0.057 U	0.0032 U	0.0056 U	0.0053 U	0.0055 U	0.0059 U	0.0055 U	0.0052 U	0.0054 U	0.0055 U	0.0052 U	0.0056 U	0.0054 U	0.0062 U	0.0057 U	0.0059 U	0.0062 U	0.0062 U	0.059 U
HEXACHLOROBENZENE	0.7	0.8	NE	NE	NE	NE	mg/Kg	0.069 U	0.0032 U	0.0067 U	0.0064 U	0.0066 U	0.0071 U	0.0067 U	0.0063 U	0.0065 U	0.0066 U	0.0062 U	0.0068 U	0.0065 U	0.0074 U	0.0069 U	0.0071 U	0.0074 U	0.0074 U	0.071 U
METHOXYCHLOR	200	400	NE	NE	NE	NE	mg/Kg	0.57 U	0.0032 U	0.056 U	0.053 U	0.055 U	0.059 U	0.055 U	0.052 U	0.054 U	0.055 U	0.052 U	0.056 U	0.054 U	0.062 U	0.057 U	0.059 U	0.062 U	0.062 U	0.59 U
TOXAPHENE	10	100	NE	NE	NE	NE	mg/Kg	1.1 U	0.162 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	1.2 U
SW-846 8082A																										
PCB 1016	1	4	NE	NE	NE	NE	mg/Kg	0.092 U	0.07 U	0.089 U	0.085 U	0.087 U	0.095 U	0.089 U	0.081 U	0.086 U	0.082 U	0.081 U	0.089 U	0.085 U	0.1 U	0.09 U	0.092 U	0.098 U	0.1 U	0.095 U
PCB 1221	1	4	NE	NE	NE	NE	mg/Kg	0.092 U	0.07 U	0.089 U	0.085 U	0.087 U	0.095 U	0.089 U	0.081 U	0.086 U	0.082 U	0.081 U	0.089 U	0.085 U	0.1 U	0.09 U	0.092 U	0.098 U	0.1 U	0.095 U
PCB 1232	1	4	NE	NE	NE	NE	mg/Kg	0.092 U	0.07 U	0.089 U	0.085 U	0.087 U	0.095 U	0.089 U	0.081 U	0.086 U	0.082 U	0.081 U	0.089 U	0.085 U	0.1 U	0.09 U	0.092 U	0.098 U	0.1 U	0.095 U
PCB 1242	1	4	NE	NE	NE	NE	mg/Kg	0.092 U	0.07 U	0.089 U	0.085 U	0.087 U	0.095 U	0.089 U	0.081 U	0.086 U	0.082 U	0.081 U	0.089 U	0.085 U	0.1 U	0.09 U	0.092 U	0.098 U	0.1 U	0.095 U
PCB 1248	1	4	NE	NE	NE	NE	mg/Kg	0.092 U	0.07 U	0.089 U	0.085 U	0.087 U	0.095 U	0.089 U	0.081 U	0.086 U	0.082 U	0.081 U	0.089 U	0.085 U	0.1 U	0.09 U	0.092 U	0.098 U	0.1 U	0.095 U
PCB 1254	1	4	NE	NE	NE	NE	mg/Kg	0.092 U	0.07 U	0.089 U	0.085 U	0.087 U	0.095 U	0.089 U	0.081 U	0.086 U	0.082 U	0.081 U	0.089 U	0.085 U	0.1 U	0.09 U	0.092 U	0.098 U	0.1 U	0.095 U
PCB 1260	1	4	NE	NE	NE	NE	mg/Kg	0.092 U	0.07 U	0.089 U	0.085 U	0.087 U	0.095 U	0.089 U	0.081 U	0.086 U	0.082 U	0.081 U	0.089 U	0.085 U	0.1 U	0.09 U	0.092 U	0.098 U	0.1 U	0.095 U
PCB 1262	1	4	NE	NE	NE	NE	mg/Kg	0.092 U	0.07 U	0.089 U	0.085 U	0.087 U	0.095 U	0.089 U	0.081 U	0.086 U	0.082 U	0.081 U	0.089 U	0.085 U	0.1 U	0.09 U	0.092 U	0.098 U	0.1 U	0.095 U
PCB 1268	1	4	NE	NE	NE	NE	mg/Kg	0.092 U	0.07 U	0.089 U	0.085 U	0.087 U	0.095 U	0.089 U	0.081 U	0.086 U	0.082 U	0.081 U	0.089 U	0.085 U	0.1 U	0.09 U	0.092 U	0.098 U	0.1 U	0.095 U
Total PCBs	NE	NE	NE	0.1	NE	NE	mg/Kg	0.092 U	0.07 U	0.089 U	0.085 U	0.087 U	0.095 U	0.089 U	0.081 U	0.086 U	0.082 U	0.081 U	0.089 U	0.085 U	0.1 U	0.09 U	0.092 U	0.098 U	0.1 U	0.095 U
SW-846 8100 Modified																										
TPH	1000	3000	NE	NE	5000	2500	mg/Kg	330	51.7	180	61	32	26	21	26	18	31	32	12	100	12	24	29	47	29	10
SW-846 8151A																										
2,4-D	100000	1000000	NE	NE	NE	NE	µg/kg	30 U	0.059 U	150 U	29 U	29 U	30 U	30 U	27 U	27 U	27 U	27 U	29 U	27 U	31 U	29 U	150 U	160 U	160 U	30 U
2,4-DB	100000	1000000	NE	NE	NE	NE	µg/kg	30 U	0.059 U	150 U	29 U	29 U	30 U	30 U	27 U	27 U	27 U	27 U	29 U	27 U	31 U	29 U	150 U	160 U	160 U	30 U
2,4,5-TP (SILVEX)	100000	1000000	NE	NE	NE	NE	µg/kg	3 U	0.012 U	15 U	2.9 U	2.9 U	3 U	3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.9 U	2.7 U	3.1 U	2.9 U	15 U	16 U	16 U	3 U
2,4,5-T	100000	1000000	NE	NE	NE	NE	µg/kg	3 U	0.012 U	15 U	2.9 U	2.9 U	3 U	3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.9 U	2.7 U	3.1 U	2.9 U	15 U	16 U	16 U	3 U
DALAPON	NE	NE	NE	NE	NE	NE	µg/kg	74 U	0.057 U	380 U	71 U	72 U	75 U	75 U	68 U	68 U	69 U	69 U	72 U	68 U	78 U	73 U	380 U	390 U	400 U	75 U
DICAMBA	500000	5000000	NE	NE	NE	NE	µg/kg	3 U	0.012 U	15 U	2.9 U	2.9 U	3 U	3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.9 U	2.7 U	3.1 U	2.9 U	15 U	16 U	16 U	3 U
DICHLOROPROP	NE	NE	NE	NE	NE	NE	µg/kg	30 U	0.059 U	150 U	29 U	29 U	30 U	30 U	27 U	27 U	27 U	27 U	29 U	27 U	31 U	29 U	150 U	160 U	160 U	30 U
DINOSEB	500000	5000000	NE	NE	NE	NE	µg/kg	15 U	0.059 U	75 U	14 U	14 U	15 U	15 U	14 U	14 U	14 U	14 U	14 U	14 U	16 U	15 U	76 U	78 U	80 U	15 U
MCPA	100000	1000000	NE	NE	NE	NE	µg/kg	3,000 U	2.91 U	15000 U	2900 U	2,900 U	3,000 U	3,000 U	2,700 U	2,700 U	2,700 U	2,700 U	2,900 U	2,700 U	3,100 U	2,900 U	15000 U	16000 U	16000 U	3000 U
MCPP	NE	NE	NE	NE	NE	NE	µg/kg	3,000 U	2.94 J	15000 U	2900 U	2,900 U	3,000 U	3,000 U	2,700 U	2,700 U	2,700 U	2,700 U	2,900 U	2,700 U	3,100 U	2,900 U	15000 U	16000 U	16000 U	3000 U
SW-846 8260C																										
ACETONE	6	50	NE	NE	NE	NE	mg/Kg	0.049 U	0.168	0.12 U	0.056 U	0.074 U	0.088 U	0.071 U	0.069 U	0.073 U	0.077 U	0.082 U	0.091 U	0.086 U	0.085 U	2.1 U	0.061 U	0.078 U	0.065 U	0.062 U
TERT-AMYL METHYL ETHER	NE	NE	NE	NE	NE	NE	mg/Kg	0.00049 U	0.0022 U	0.0012 U	0.00056 U	0.00074 U	0.00088 U	0.00071 U	0.00069 U	0.00073 U	0.00077 U	0.00082 U	0.00091 U	0.00086 U	0.00085 U	0.084 U	0.00061 U	0.00078 U	0.00065 U	0.00062 U
BENZENE	2	200	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
BROMOBENZENE	100	1000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
BROMOCHLOROMETHANE	NE	NE	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
BROMODICHLOROMETHANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
BROMOFORM	0.1	1	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.084 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
BROMOMETHANE	0.5	0.5	NE	NE	NE	NE	mg/Kg	0.0049 U	0.0045 U	0.012 U	0.0056 U	0.0074 U	0.0088 U	0.0071 U	0.0069 U	0.0073 U	0.0077 U	0.0082 U	0.0091 U	0.0086 U	0.0085 U	0.084 U	0.0061 U	0.0078 U	0.0065 U	0.0062 U
2-BUTANONE (MEK)	4	50	NE	NE	NE	NE	mg/Kg	0.02 U	0.0266	0.05 U	0.022 U	0.029 U	0.035 U	0.028 U	0.028 U	0.029 U	0.031 U	0.033 U	0.036 U	0.034 U	0.034 U	0.84 U	0.024 U	0.031 U	0.026 U	0.025 U
N-BUTYLBENZENE	NE	NE	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
SEC-BUTYLBENZENE	NE	NE	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
TERT-BUTYLBENZENE	100	1000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
TERT-BUTYLETHYL ETHER	NE	NE	NE	NE	NE	NE	mg/Kg	0.00049 U	0.0022 U	0.0012 U	0.00056 U	0.00074 U	0.00088 U	0.00071 U	0.00069 U	0.00073 U	0.00077 U	0.00082 U	0.00091 U	0.00086 U	0.00085 U	0.042 U	0.00061 U	0.00078 U	0.00065 U	0.00062 U
CARBON DISULFIDE	100	1000	NE	NE	NE	NE	mg/Kg	0.0029 U	0.0022 U	0.0074 U	0.0033 U	0.0044 U	0.0053 U	0.0043 U	0.0042 U	0.0044 U	0.0046 U	0.0049 U	0.0054 U	0.0052 U	0.0051 U	0.42 U	0.0036 U	0.0047 U	0.0039 U	0.0037 U
CARBON TETRACHLORIDE	5	5	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
CHLOROBENZENE	1	3	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
CHLORODIBROMOMETHANE	0.005	0.03	NE	NE	NE	NE	mg/Kg	0.00049 U	0.0009 U	0.0012 U	0.00056 U	0.00074 U	0.00088 U	0.00071 U	0.00069 U	0.00073 U	0.00077 U	0.00082 U	0.00091 U	0.00086 U	0.00085 U	**0.021** U	0.00061 U	0.00078 U	0.00065 U	0.00062 U
CHLOROETHANE	100	1000	NE	NE	NE	NE	mg/Kg	0.0049 U	0.0045 U	0.012 U	0.0056 U	0.0074 U	0.0088 U	0.0071 U	0.0069 U	0.0073 U	0.0077 U	0.0082 U	0.0091 U	0.0086 U	0.0085 U	0.084 U	0.0061 U	0.0078 U	0.0065 U	0.0062 U
CHLOROFORM	0.2	0.2	NE	NE	NE	NE	mg/Kg	0.002 U	0.0022 U	0.005 U	0.0022 U	0.0029 U	0.0035 U	0.0028 U	0.0028 U	0.0029 U	0.0031 U	0.0033 U	0.0036 U	0.0034 U	0.0034 U	0.084 U	0.0024 U	0.0031 U	0.0026 U	0.0025 U

TABLE 1B
TYPE B-1 SOIL CHARACTERIZATION RESULTS
SUDBURY TO HUDSON TRANSMISSION PROJECT
SUDBURY, MASSACHUSETTS

SAMPLE LOCATION	RCS-1	RCS-2	Similar Soils for RCS-1	Concentrations in "Natural Soil" at RCS-1 Receiving Location	MA Lined Landfill	MA Unlined Landfill	Units	MP32	MP36	MW/SB-35	B28	MP28	MP30	MP35	MP37	MP38	MP39	SB-37	SB-38	SB-39	SB-50	SB-51	SB40	SB41	SB48	MP-40
SAMPLE DATE								10/11/2018	10/18/2018	11/07/2018	11/13/2018	11/05/2018	11/06/2018	11/06/2018	10/26/2018	10/26/2018	10/26/2018	10/25/2018	10/25/2018	10/25/2018	10/25/2018	10/24/2018	11/15/2018	11/15/2018	11/15/2018	10/02/2018
LAB NUMBER								18J0746-01	1810642-01	18K0569-03	18K0931-01	18K0278-03	18K0278-05	18K0278-07	18J1553-06	18J1553-07	18J1553-08	18J1553-03	18J1553-04	18J1553-05	18J1553-02	18J1553-01	18K1190-02	18K1190-03	18K1190-01	18J0192-01
PID READING (ppmV)								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0
SW-846 8260C Continued																										
CHLOROMETHANE	100	1000	NE	NE	NE	NE	mg/Kg	0.0049 U	0.0045 U	0.012 U	0.0056 U	0.0074 U	0.0088 U	0.0071 U	0.0069 U	0.0073 U	0.0077 U	0.0082 U	0.0091 U	0.0086 U	0.0085 U	0.084 U	0.0061 U	0.0078 U	0.0065 U	0.0062 U
2-CHLOROTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
4-CHLOROTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,2-DIBROMO-3-CHLOROPROPANE	10	100	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.17 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,2-DIBROMOETHANE (EDB)	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.00049 U	0.0022 U	0.0012 U	0.00056 U	0.00074 U	0.00088 U	0.00071 U	0.00069 U	0.00073 U	0.00077 U	0.00082 U	0.00091 U	0.00086 U	0.00085 U	0.021 U	0.00061 U	0.00078 U	0.00065 U	0.00062 U
DIBROMOMETHANE	500	5000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,2-DICHLOROBENZENE	9	100	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,3-DICHLOROBENZENE	3	200	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,4-DICHLOROBENZENE	0.7	1	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0449 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
DICHLORODIFLUOROMETHANE	1000	10000	NE	NE	NE	NE	mg/Kg	0.0049 U	0.0045 U	0.012 U	0.0056 U	0.0074 U	0.0088 U	0.0071 U	0.0069 U	0.0073 U	0.0077 U	0.0082 U	0.0091 U	0.0086 U	0.0085 U	0.084 U	0.0061 U	0.0078 U	0.0065 U	0.0062 U
1,1-DICHLOROETHANE	0.4	9	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,2-DICHLOROETHANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,1-DICHLOROETHYLENE	3	40	NE	NE	NE	NE	mg/Kg	0.002 U	0.0022 U	0.005 U	0.0022 U	0.0029 U	0.0035 U	0.0028 U	0.0028 U	0.0029 U	0.0031 U	0.0033 U	0.0036 U	0.0034 U	0.0034 U	0.042 U	0.0024 U	0.0031 U	0.0026 U	0.0025 U
CIS-1,2-DICHLOROETHYLENE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
TRANS-1,2-DICHLOROETHYLENE	1	1	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,2-DICHLOROPROPANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,3-DICHLOROPROPANE	500	5000	NE	NE	NE	NE	mg/Kg	0.00049 U	0.0022 U	0.0012 U	0.00056 U	0.00074 U	0.00088 U	0.00071 U	0.00069 U	0.00073 U	0.00077 U	0.00082 U	0.00091 U	0.00086 U	0.00085 U	0.021 U	0.00061 U	0.00078 U	0.00065 U	0.00062 U
2,2-DICHLOROPROPANE	0.1	0.2	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,1-DICHLOROPROPENE	0.01	0.1	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.084 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
CIS-1,3-DICHLOROPROPENE	0.01	0.1	NE	NE	NE	NE	mg/Kg	0.00049 U	0.0022 U	0.0012 U	0.00056 U	0.00074 U	0.00088 U	0.00071 U	0.00069 U	0.00073 U	0.00077 U	0.00082 U	0.00091 U	0.00086 U	0.00085 U	**0.021** U	0.00061 U	0.00078 U	0.00065 U	0.00062 U
TRANS-1,3-DICHLOROPROPENE	0.01	0.1	NE	NE	NE	NE	mg/Kg	0.00049 U	0.0022 U	0.0012 U	0.00056 U	0.00074 U	0.00088 U	0.00071 U	0.00069 U	0.00073 U	0.00077 U	0.00082 U	0.00091 U	0.00086 U	0.00085 U	**0.021** U	0.00061 U	0.00078 U	0.00065 U	0.00062 U
DIETHYL ETHER	100	1000	NE	NE	NE	NE	mg/Kg	0.0049 U	0.0022 U	0.012 U	0.0056 U	0.0074 U	0.0088 U	0.0071 U	0.0069 U	0.0073 U	0.0077 U	0.0082 U	0.0091 U	0.0086 U	0.0085 U	0.084 U	0.0061 U	0.0078 U	0.0065 U	0.0062 U
DIISOPROPYL ETHER	100	1000	NE	NE	NE	NE	mg/Kg	0.00049 U	0.0022 U	0.0012 U	0.00056 U	0.00074 U	0.00088 U	0.00071 U	0.00069 U	0.00073 U	0.00077 U	0.00082 U	0.00091 U	0.00086 U	0.00085 U	0.021 U	0.00061 U	0.00078 U	0.00065 U	0.00062 U
1,4-DIOXANE	0.2	6	NE	NE	NE	NE	mg/Kg	0.049 U	0.0449 U	0.05 U	0.022 U	0.074 U	0.088 U	0.071 U	0.069 U	0.073 U	0.077 U	0.082 U	0.091 U	0.086 U	0.085 U	**2.1** U	0.061 U	0.078 U	0.065 U	0.062 U
ETHYLBENZENE	40	1000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
HEXACHLOROBUTADIENE	30	100	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.084 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
2-HEXANONE	100	1000	NE	NE	NE	NE	mg/Kg	0.0098 U	0.0045 U	0.025 U	0.011 U	0.015 U	0.018 U	0.014 U	0.014 U	0.015 U	0.015 U	0.016 U	0.018 U	0.017 U	0.017 U	0.42 U	0.012 U	0.016 U	0.013 U	0.012 U
ISOPROPYLBENZENE	1000	10000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
P-ISOPROPYLTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
METHYL TERT-BUTYL ETHER (MTBE)	0.1	100	NE	NE	NE	NE	mg/Kg	0.002 U	0.0022 U	0.005 U	0.0022 U	0.0029 U	0.0035 U	0.0028 U	0.0028 U	0.0029 U	0.0031 U	0.0033 U	0.0036 U	0.0034 U	0.0034 U	0.042 U	0.0024 U	0.0031 U	0.0026 U	0.0025 U
METHYLENE CHLORIDE	0.1	20	NE	NE	NE	NE	mg/Kg	0.0049 U	0.0045 U	0.012 U	0.0056 U	0.0074 U	0.0088 U	0.0071 U	0.0069 U	0.0073 U	0.0077 U	0.0082 U	0.0091 U	0.0086 U	0.0085 U	**0.21** U	0.0061 U	0.0078 U	0.0065 U	0.0062 U
4-METHYL-2-PENTANONE (MIBK)	0.4	50	NE	NE	NE	NE	mg/Kg	0.0098 U	0.0045 U	0.025 U	0.011 U	0.015 U	0.018 U	0.014 U	0.014 U	0.015 U	0.015 U	0.016 U	0.018 U	0.017 U	0.017 U	**0.42** U	0.012 U	0.016 U	0.013 U	0.012 U
NAPHTHALENE	4	20	NE	NE	NE	NE	mg/Kg	0.0049 U	0.0022 U	0.012 U	0.0056 U	0.0029 U	0.0035 U	0.0028 U	0.0069 U	0.0073 U	0.0077 U	0.0082 U	0.0091 U	0.0086 U	0.0085 U	0.21 U	0.0024 U	0.0031 U	0.0026 U	0.0062 U
N-PROPYLBENZENE	100	1000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
STYRENE	3	4	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,1,1,2-TETRACHLOROETHANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,1,2,2-TETRACHLOROETHANE	0.005	0.02	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	**0.021** U	0.00061 U	0.00078 U	0.00065 U	0.0012 U
TETRACHLOROETHYLENE	1	10	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
TETRAHYDROFURAN	500	5000	NE	NE	NE	NE	mg/Kg	0.0049 U	0.0022 U	0.012 U	0.0056 U	0.0074 U	0.0088 U	0.0071 U	0.0069 U	0.0073 U	0.0077 U	0.0082 U	0.0091 U	0.0086 U	0.0085 U	0.17 U	0.0061 U	0.0078 U	0.0065 U	0.0062 U
TOLUENE	30	1000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,2,3-TRICHLOROBENZENE	NE	NE	NE	NE	NE	NE	mg/Kg	0.002 U	0.0022 U	0.005 U	0.0022 U	0.0015 U	0.0018 U	0.0014 U	0.0028 U	0.0029 U	0.0031 U	0.0033 U	0.0036 U	0.0034 U	0.0034 U	0.21 U	0.0012 U	0.0016 U	0.0013 U	0.0025 U
1,2,4-TRICHLOROBENZENE	2	6	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.084 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,1,1-TRICHLOROETHANE	30	600	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,1,2-TRICHLOROETHANE	0.1	2	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
TRICHLOROETHYLENE	0.3	0.3	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
TRICHLOROFLUOROMETHANE	1000	10000	NE	NE	NE	NE	mg/Kg	0.0049 U	0.0022 U	0.012 U	0.0056 U	0.0074 U	0.0088 U	0.0071 U	0.0069 U	0.0073 U	0.0077 U	0.0082 U	0.0091 U	0.0086 U	0.0085 U	0.084 U	0.0061 U	0.0078 U	0.0065 U	0.0062 U
1,2,3-TRICHLOROPROPANE	100	1000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.084 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,2,4-TRIMETHYLBENZENE	1000	10000	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
1,3,5-TRIMETHYLBENZENE	10	100	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
VINYL CHLORIDE	0.7	0.7	NE	NE	NE	NE	mg/Kg	0.0049 U	0.0045 U	0.012 U	0.0056 U	0.0074 U	0.0088 U	0.0071 U	0.0069 U	0.0073 U	0.0077 U	0.0082 U	0.0091 U	0.0086 U	0.0085 U	0.084 U	0.0061 U	0.0078 U	0.0065 U	0.0062 U
M/P-XYLENE	100	100	NE	NE	NE	NE	mg/Kg	0.002 U	0.0045 U	0.005 U	0.0022 U	0.0029 U	0.0035 U	0.0028 U	0.0028 U	0.0029 U	0.0031 U	0.0033 U	0.0036 U	0.0034 U	0.0034 U	0.084 U	0.0024 U	0.0031 U	0.0026 U	0.0025 U
O-XYLENE	100	100	NE	NE	NE	NE	mg/Kg	0.00098 U	0.0022 U	0.0025 U	0.0011 U	0.0015 U	0.0018 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0016 U	0.0018 U	0.0017 U	0.0017 U	0.042 U	0.0012 U	0.0016 U	0.0013 U	0.0012 U
SW-846 8270D				NE																						
ACENAPHTHENE	4	3000	4	0.5	NE	NE	mg/Kg	0.2 U	0.411 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.18 U	0.2 U	0.18 U	0.21 U	0.2 U	0.21 U	0.21 U	0.22 U	0.2 U
ACENAPHTHYLENE	1	10	1	0.5	NE	NE	mg/Kg	0.2 U	0.411 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.18 U	0.2 U	0.18 U	0.21 U	0.2 U	0.21 U	0.21 U	0.22 U	0.2 U
ACETOPHENONE	1000	10000	NE	NE	NE	NE	mg/Kg	0.4 U	0.824 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
ANILINE	1000	10000	NE	NE	NE	NE	mg/Kg	0.4 U	2.06 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
ANTHRACENE	1000	3000	10	1	NE	NE	mg/Kg	0.2 U	0.411 U	0.35	0.19 U	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.18 U	0.2 U	0.18 U	0.21 U	0.2 U	0.21 U	0.21 U	0.22 U	0.2 U
BENZO(A)ANTHRACENE	7	40	7	2	NE	NE	mg/Kg	0.2 U	0.411 U	0.45	0.19 U	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.45	0.18 U	0.2 U	0.57	0.21 U	0.2 U	0.21 U	0.21 U	0.22 U	0.2 U
BENZO(A)PYRENE	2	7	2	2	NE	NE	mg/Kg	0.2 U	0.206 U	0.29	0.19 U	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.45	0.18 U	0.2 U	0.29	0.21 U	0.2 U	0.21 U	0.21 U	0.22 U	0.2 U
BENZO(B)FLUORANTHENE	7	40	7	2	NE	NE	mg/Kg	0.24	0.411 U	0.68	0.26	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.83	0.23	0.2 U	0.59	0.21 U	0.2 U	0.21 U	0.21 U	0.22 U	0.2 U
BENZO(G,H,I)PERYLENE	1000	3000	10	1	NE	NE	mg/Kg	0.2 U	0.411 U	0.2	0.19 U	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.22	0.18 U	0.2 U	0.18 U	0.21 U	0.2 U	0.21 U	0.21 U	0.22 U	0.2 U
BENZO(K)FLUORANTHENE	70	400	10	1	NE	NE	mg/Kg	0.2 U	0.411 U	0.23	0.19 U	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.35	0.18 U	0.2 U	0.24	0.21 U	0.2 U	0.21 U	0.21 U	0.22 U	0.2 U
BIS(2-CHLOROETHOXY)METHANE	500	5000	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
BIS(2-CHLOROETHYL)ETHER	0.7	0.7	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
BIS(2-CHLOROISOPROPYL)ETHER	0.7	0.7	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	90	600	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
4-BROMOPHENYL PHENYL ETHER	100	1000	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
BUTYLBENZYLPHTHALATE	100	1000	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
4-CHLOROANILINE	1	3	NE	NE	NE	NE	mg/Kg	0.79 U	0.824 U	0.78 U	0.75 U	0.76 U	0.79 U	0.77 U	0.71 U	0.71 U	0.73 U	0.72 U	0.77 U	0.71 U	0.81 U	0.76 U	0.8 U	0.82 U	0.85 U	0.78 U
2-CHLORONAPHTHALENE	1000	10000	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
2-CHLOROPHENOL	0.7	100	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
CHRYSENE	70	400	20	2	NE	NE	mg/Kg	0.2 U	0.206 U	0.51	0.23	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.46	0.19	0.2 U	0.56	0.21 U	0.2 U	0.21 U	0.21 U	0.22 U	0.2 U
DIBENZ(A,H)ANTHRACENE	0.7	4	0.7	0.5	NE	NE	mg/Kg	0.2 U	0.206 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.18 U	0.2 U	0.18 U	0.21 U	0.2 U	0.21 U	0.21 U	0.22 U	0.2 U
DIBENZOFURAN	100	1000	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
DI-N-BUTYLPHTHALATE	50	500	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
1,2-DICHLOROBENZENE	9	100	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
1,3-DICHLOROBENZENE	3	200	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
1,4-DICHLOROBENZENE	0.7	1	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
3,3'-DICHLOROBENZIDINE	3	20	NE	NE	NE	NE	mg/Kg	0.2 U	0.824 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.18 U	0.2 U	0.18 U	0.21 U	0.2 U	0.21 U	0.21 U	0.22 U	0.2 U
2,4-DICHLOROPHENOL	0.7	40	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
DIETHYLPHTHALATE	10	200	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
2,4-DIMETHYLPHENOL	0.7	100	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
DIMETHYLPHTHALATE	0.7	50	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
2,4-DINITROPHENOL	3	50	NE	NE	NE	NE	mg/Kg	0.79 U	2.06 U	0.78 U	0.75 U	0.76 U	0.79 U	0.77 U	0.71 U	0.71 U	0.73 U	0.72 U	0.77 U	0.71 U	0.81 U	0.76 U	0.8 U	0.82 U	0.85 U	0.78 U
2,4-DINITROTOLUENE	0.7	10	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
2,6-DINITROTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U
DI-N-OCTYLPHTHALATE	1000	10000	NE	NE	NE	NE	mg/Kg	0.4 U	0.411 U	0.4 U	0.39 U	0.39 U	0.41 U	0.4 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.42 U	0.39 U	0.41 U	0.42 U	0.44 U	0.4 U

TABLE 1B
TYPE B-1 SOIL CHARACTERIZATION RESULTS
SUDBURY TO HUDSON TRANSMISSION PROJECT
SUDBURY, MASSACHUSETTS

SAMPLE LOCATION								MP32		MP36		MW/SB-35		B28		MP28		MP30		MP35		MP37		MP38		MP39		SB-37		SB-38		SB-39		SB-50		SB-51		SB40		SB41		SB48		MP-40	
SAMPLE DATE	RCS-1	RCS-2	Similar Soils for RCS-1	Concentrations in "Natural Soil" at RCS-1 Receiving Location	MA Lined Landfill	MA Unlined Landfill	Units	10/11/2018		10/18/2018		11/07/2018		11/13/2018		11/05/2018		11/06/2018		11/06/2018		10/26/2018		10/26/2018		10/26/2018		10/25/2018		10/25/2018		10/25/2018		10/25/2018		10/24/2018		11/15/2018		11/15/2018		11/15/2018		10/02/2018	
LAB NUMBER								18J0746-01		18I0642-01		18K0569-03		18K0931-01		18K0278-03		18K0278-05		18K0278-07		18J1553-06		18J1553-07		18J1553-08		18J1553-03		18J1553-04		18J1553-05		18J1553-02		18J1553-01		18K1190-02		18K1190-03		18K1190-01		18J0192-01	
PID READING (ppmV)								0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		2.9		0.2		3.1		1.0		0.0		0.0		0.0		0.0		0.0	
SW-846 8270D Continued																																												
1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	50	500	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
FLUORANTHENE	1000	3000	40	4	NE	NE	mg/Kg	0.26		0.411	U	1.4		0.31		0.2	U	0.2	U	0.2	U	0.18	U	0.18	U	0.45		0.26		0.2	U	1		0.21	U	0.23		0.21	U	0.21	U	0.22	U	0.2	U
FLUORENE	1000	3000	10	1	NE	NE	mg/Kg	0.2	U	0.411	U	0.2	U	0.19	U	0.2	U	0.2	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.2	U	0.21	U	0.21	U	0.22	U	0.2	U
HEXACHLOROBENZENE	0.7	0.8	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
HEXACHLOROBUTADIENE	30	100	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
HEXACHLOROETHANE	0.7	3	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
INDENO(1,2,3-CD)PYRENE	7	40	7	1	NE	NE	mg/Kg	0.2	U	0.411	U	0.23		0.19	U	0.2	U	0.2	U	0.2	U	0.18	U	0.18	U	0.3		0.18	U	0.2	U	0.2		0.21	U	0.2	U	0.21	U	0.21	U	0.22	U	0.2	U
ISOPHORONE	100	1000	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
2-METHYLNAPHTHALENE	0.7	80	0.7	0.5	NE	NE	mg/Kg	0.2	U	0.411	U	0.2	U	0.19	U	0.2	U	0.2	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.2	U	0.21	U	0.21	U	0.22	U	0.2	U
O-CRESOL	500	5000	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
M/P-CRESOL	500	5000	NE	NE	NE	NE	mg/Kg	0.4	U	0.824	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
NAPHTHALENE	4	20	4	0.5	NE	NE	mg/Kg	0.2	U	0.411	U	0.25		0.19	U	0.2	U	0.2	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.2	U	0.21	U	0.21	U	0.22	U	0.2	U
NITROBENZENE	500	5000	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
2-NITROPHENOL	100	1000	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
4-NITROPHENOL	100	1000	NE	NE	NE	NE	mg/Kg	0.79	U	2.06	U	0.78	U	0.75	U	0.76	U	0.79	U	0.77	U	0.71	U	0.71	U	0.73	U	0.72	U	0.77	U	0.71	U	0.81	U	0.76	U	0.8	U	0.82	U	0.85	U	0.78	U
PENTACHLOROPHENOL	3	10	NE	NE	NE	NE	mg/Kg	0.4	U	2.06	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
PHENANTHRENE	10	1000	10	3	NE	NE	mg/Kg	0.2	U	0.411	U	1.3		0.19	U	0.2	U	0.2	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.2	U	0.21	U	0.21	U	0.22	U	0.2	U
PHENOL	1	20	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
PYRENE	1000	3000	40	4	NE	NE	mg/Kg	0.22		0.411	U	1.1		0.25		0.2	U	0.2	U	0.2	U	0.18	U	0.18	U	0.72		0.3		0.2	U	1.1		0.21	U	0.27		0.21	U	0.21	U	0.22	U	0.2	U
PYRIDINE	500	5000	NE	NE	NE	NE	mg/Kg	0.4	U	2.06	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
1,2,4-TRICHLOROBENZENE	2	6	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
2,4,5-TRICHLOROPHENOL	4	600	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
2,4,6-TRICHLOROPHENOL	0.7	20	NE	NE	NE	NE	mg/Kg	0.4	U	0.411	U	0.4	U	0.39	U	0.39	U	0.41	U	0.4	U	0.37	U	0.37	U	0.38	U	0.37	U	0.39	U	0.36	U	0.42	U	0.39	U	0.41	U	0.42	U	0.44	U	0.4	U
SW-846 9014																																											
REACTIVE CYANIDE	NE	NE	NE	NE	NE	NE	mg/Kg	4	U	2	U	3.9	U	4	U	3.9	U	3.9	U	4	U	3.9	U	4	U	3.9	U	3.9	U	4	U	4	U	4	U	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U
SW-846 9030A																																											
REACTIVE SULFIDE	NE	NE	NE	NE	NE	NE	mg/Kg	20	U	2	U	20	U	20	U	19	U	19	U	20	U	19	U	20	U	20	U	19	U	20	U	20	U	20	U	20	U	19	U	20	U	20	U	20	U
SW-846 9045C																																											
PH	NE	NE	NE	NE	NE	NE	pH Units	6.4		5.64		6.3		4.8		5.5		4.6		5.5		4.9		5.6		5.7		4.8		4.3		5.7		5.6		6.5		5		5.2		5.2		5.8	

NOTES:
Bolded, shaded, and underlined results meet or exceed regulatory threshold
Bolded results are a laboratory detection limit that exceed a regulatory threshold
Bolded and italic results meet or exceed Similar Soils Natural Background
RCS-x = MCP Reportable Concentrations for Soil Category x

U = Not detected above the laboratory reporting limits shown to the left of the "U"
NE = Standard not established
mg/kg = Milligrams per kilogram, aslo known as parts per million
J = Modfied results based on quality control analysis

SOIL DISPOSAL CLASSIFICATION CATEGORIES

Type A Soil: Reuse at Sand and Gravel facility: Soils which do not contain oil or hazardous material (OHM) or contain OHM below levels consistent with "natural" soil per MassDEP's Similar Soils Provision Guidance (WSC-13-500) are not considered Remediation Waste; this includes soil that exhibits concentrations of TPH less than or equal to 25 parts per million (ppm). These "natural" soils may be reused at specific beneficial reuse locations on a case by case basis under the discretion of Eversource and may be reused at an active sand and gravel processing facility that holds a Site Assignment Authorization with approval from the LSP-of-Record. Facilities that are reclaiming former sand and gravel pits must have a MassDEP approved ACO in place in accordance with MassDEP Interim Policy COMM-15-01: Re-Use of Soil for Large Reclamation Projects Policy.

Type B-1 Soil: <RCS-1 Beneficial Reuse: Soil containing OHM concentrations below MCP RCS-1 criteria can be used as fill material at off-site industrial/commercial locations provided that pre-existing OHM concentrations at the fill location are equal to or higher than those that exist in the construction generated soil and are not located within the Utility Related Abatement Measure (URAM). Facilities must have a MassDEP approved Administrative Consent Order (ACO) in place in accordance with MassDEP Interim Policy COMM-15-01.

Type C-1 Soil: Massachusetts Unlined Landfills: Soil that contains OHM concentrations above MCP RCS-1 levels but below the criteria for Massachusetts Unlined landfills per MassDEP Policy COMM-97-001.

TABLE 1C
TYPE C-1 SOIL CHARACTERIZATION RESULTS
SUDBURY TO HUDSON TRANSMISSION PROJECT
SUDBURY, MASSACHUSETTS

SAMPLE LOCATION	RCS-1	RCS-2	Similar Soils for RCS-1	Concentrations in "Natural Soil" at RCS-1 Receiving	MA Lined Landfill	MA Unlined Landfill	Units	MP34		SB36		MP33		MW/SB-42	
SAMPLE DATE								10/11/2018		11/07/2018		11/01/2018		11/15/2018	
LAB NUMBER								18J0746-02		18K0569-02		18K0278-01		18K1190-04	
PID READING (ppmV)								0.0		0.0		0.0		0.0	
SM 2540G															
% SOLIDS	NE	NE	NE	NE	NE	NE	% Wt	84.5		89		78.6		80.6	
SM21-22 2510B Modified															
SPECIFIC CONDUCTANCE	NE	NE	NE	NE	8000	NE	µmhos/cm	4.5		2.2		3.4		8.1	
SW-846 1030															
IGNITABILITY	NE	NE	NE	NE	NE	NE	present/absent	Absent		Absent		Absent		Absent	
SW-846 6010D															
ANTIMONY	20	30	10	1	NE	NE	mg/Kg	**2**	**U**	**1.9**	**U**	**2.1**	**U**	**2.1**	**U**
ARSENIC	20	20	20	20	40	40	mg/Kg	**21**		**21**		5		14	
BARIUM	1000	3000	375	50	NE	NE	mg/Kg	32		19		16		***57***	
BERYLLIUM	90	200	4	0.4	NE	NE	mg/Kg	***0.42***		0.21		0.21	U	0.36	
CADMIUM	70	100	20	2	80	30	mg/Kg	0.73		0.41		0.21	U	0.68	
CHROMIUM	100	200	100	30	1000	1000	mg/Kg	16		8.8		8.2		20	
LEAD	200	600	200	100	2000	1000	mg/Kg	27		7.9		7.3		***180***	
NICKEL	600	1000	150	20	NE	NE	mg/Kg	12		4.7		4.7		15	
SELENIUM	400	700	5	0.5	NE	NE	mg/Kg	**4**	**U**	**3.7**	**U**	**4.2**	**U**	**4.1**	**U**
SILVER	100	200	6	0.6	NE	NE	mg/Kg	0.4	U	0.37	U	0.42	U	0.41	U
THALLIUM	8	60	6	0.6	NE	NE	mg/Kg	2	U	1.9	U	2.1	U	2.1	U
VANADIUM	400	700	225	30	NE	NE	mg/Kg	24		11		9.4		28	
ZINC	1000	3000	500	100	NE	NE	mg/Kg	26		10		9.1		50	
SW-846 7471B															
MERCURY	20	30	3	0.3	10	10	mg/Kg	0.039		0.028	U	0.03	U	0.038	
SW-846 8081B															
ALACHOR	NE	NE	NE	NE	NE	NE	mg/Kg	0.023	U	0.022	U	0.24	U	0.48	U
ALDRIN	0.08	0.5	NE	NE	NE	NE	mg/Kg	0.0057	U	0.0054	U	0.061	U	0.12	U
ALPHA-BHC	50	500	NE	NE	NE	NE	mg/Kg	0.0057	U	0.0054	U	0.061	U	0.12	U
BETA-BHC	10	100	NE	NE	NE	NE	mg/Kg	0.0057	U	0.0054	U	0.061	U	0.12	U
DELTA-BHC	10	100	NE	NE	NE	NE	mg/Kg	0.0057	U	0.0054	U	0.061	U	0.12	U
GAMMA-BHC (LINDANE)	0.003	0.5	NE	NE	NE	NE	mg/Kg	0.0023	U	0.0022	U	**0.024**	U	0.048	U
CHLORDANE	5	30	NE	NE	NE	NE	mg/Kg	0.023	U	0.022	U	0.24	U	0.48	U
4,4'-DDD	8	40	NE	NE	NE	NE	mg/Kg	0.0046	U	0.0043	U	0.048	U	0.095	U
4,4'-DDE	6	30	NE	NE	NE	NE	mg/Kg	0.0084		0.0043	U	0.048	U	0.095	U
4,4'-DDT	6	30	NE	NE	NE	NE	mg/Kg	0.05		0.0043	U	0.048	U	0.34	
DIELDRIN	0.08	0.5	NE	NE	NE	NE	mg/Kg	0.0046	U	0.0043	U	0.048	U	0.095	U
ENDOSULFAN I	0.5	1	NE	NE	NE	NE	mg/Kg	0.0057	U	0.0054	U	0.061	U	0.12	U
ENDOSULFAN II	0.5	1	NE	NE	NE	NE	mg/Kg	0.0091	U	0.0086	U	0.097	U	0.19	U
ENDOSULFAN SULFATE	~	~	NE	NE	NE	NE	mg/Kg	0.0091	U	0.0086	U	0.097	U	0.19	U
ENDRIN	10	20	NE	NE	NE	NE	mg/Kg	0.0091	U	0.0086	U	0.097	U	0.19	U
ENDRIN ALDEHYDE	10	100	NE	NE	NE	NE	mg/Kg	0.0091	U	0.0086	U	0.097	U	0.19	U
ENDRIN KETONE	~	~	NE	NE	NE	NE	mg/Kg	0.0091	U	0.0086	U	0.097	U	0.19	U
HEPTACHLOR	0.3	2	NE	NE	NE	NE	mg/Kg	0.0057	U	0.0054	U	0.061	U	0.12	U
HEPTACHLOR EPOXIDE	0.1	0.9	NE	NE	NE	NE	mg/Kg	0.0057	U	0.0054	U	0.061	U	0.12	U
HEXACHLOROBENZENE	0.7	0.8	NE	NE	NE	NE	mg/Kg	0.0068	U	0.0065	U	0.073	U	0.14	U
METHOXYCHLOR	200	400	NE	NE	NE	NE	mg/Kg	0.057	U	0.054	U	0.61	U	1.2	U
TOXAPHENE	10	100	NE	NE	NE	NE	mg/Kg	0.11	U	0.11	U	1.2	U	2.4	U
SW-846 8082A															
PCB 1016	1	4	NE	NE	NE	NE	mg/Kg	0.091	U	0.089	U	0.097	U	0.096	U
PCB 1221	1	4	NE	NE	NE	NE	mg/Kg	0.091	U	0.089	U	0.097	U	0.096	U
PCB 1232	1	4	NE	NE	NE	NE	mg/Kg	0.091	U	0.089	U	0.097	U	0.096	U
PCB 1242	1	4	NE	NE	NE	NE	mg/Kg	0.091	U	0.089	U	0.097	U	0.096	U
PCB 1248	1	4	NE	NE	NE	NE	mg/Kg	0.091	U	0.089	U	0.097	U	0.096	U
PCB 1254	1	4	NE	NE	NE	NE	mg/Kg	0.091	U	0.089	U	0.097	U	0.23	
PCB 1260	1	4	NE	NE	NE	NE	mg/Kg	0.091	U	0.089	U	0.097	U	0.18	
PCB 1262	1	4	NE	NE	NE	NE	mg/Kg	0.091	U	0.089	U	0.097	U	0.096	U
PCB 1268	1	4	NE	NE	NE	NE	mg/Kg	0.091	U	0.089	U	0.097	U	0.096	U
Total PCBs	NE	NE	NE	0.1	NE	NE	mg/Kg	0.091	U	0.089	U	0.097	U	***0.41***	
SW-846 8100 Modified															
TPH	1000	3000	NE	NE	5000	2500	mg/Kg	340		18		360		**1000**	
SW-846 8151A															
2,4-D	100000	1000000	NE	NE	NE	NE	µg/kg	30	U	28	U	31	U	310	U
2,4-DB	100000	1000000	NE	NE	NE	NE	µg/kg	30	U	28	U	31	U	310	U
2,4,5-TP (SILVEX)	100000	1000000	NE	NE	NE	NE	µg/kg	3	U	2.8	U	3.1	U	31	U
2,4,5-T	100000	1000000	NE	NE	NE	NE	µg/kg	3	U	2.8	U	3.1	U	31	U
DALAPON	NE	NE	NE	NE	NE	NE	µg/kg	74	U	70	U	78	U	760	U
DICAMBA	500000	5000000	NE	NE	NE	NE	µg/kg	3	U	2.8	U	3.1	U	31	U
DICHLOROPROP	NE	NE	NE	NE	NE	NE	µg/kg	30	U	28	U	31	U	310	U
DINOSEB	500000	5000000	NE	NE	NE	NE	µg/kg	15	U	14	U	16	U	150	U
MCPA	100000	1000000	NE	NE	NE	NE	µg/kg	3,000	U	2800	U	3,100	U	31000	U
MCPP	NE	NE	NE	NE	NE	NE	µg/kg	3,000	U	2800	U	3,100	U	31000	U
SW-846 8260C															
ACETONE	6	50	NE	NE	NE	NE	mg/Kg	0.1	U	0.083	U	0.049	U	0.35	
TERT-AMYL METHYL ETHER	NE	NE	NE	NE	NE	NE	mg/Kg	0.001	U	0.00083	U	0.00049	U	0.00074	U
BENZENE	2	200	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
BROMOBENZENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
BROMOCHLOROMETHANE	NE	NE	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
BROMODICHLOROMETHANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
BROMOFORM	0.1	1	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
BROMOMETHANE	0.5	0.5	NE	NE	NE	NE	mg/Kg	0.01	U	0.0083	U	0.0049	U	0.0074	U
2-BUTANONE (MEK)	4	50	NE	NE	NE	NE	mg/Kg	0.042	U	0.033	U	0.02	U	0.03	U
N-BUTYLBENZENE	NE	NE	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
SEC-BUTYLBENZENE	NE	NE	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
TERT-BUTYLBENZENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
TERT-BUTYLETHYL ETHER	NE	NE	NE	NE	NE	NE	mg/Kg	0.001	U	0.00083	U	0.00049	U	0.00074	U
CARBON DISULFIDE	100	1000	NE	NE	NE	NE	mg/Kg	0.0063	U	0.005	U	0.0029	U	0.0045	U
CARBON TETRACHLORIDE	5	5	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
CHLOROBENZENE	1	3	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
CHLORODIBROMOMETHANE	0.005	0.03	NE	NE	NE	NE	mg/Kg	0.001	U	0.00083	U	0.00049	U	0.00074	U
CHLOROETHANE	100	1000	NE	NE	NE	NE	mg/Kg	0.01	U	0.0083	U	0.0049	U	0.0074	U
CHLOROFORM	0.2	0.2	NE	NE	NE	NE	mg/Kg	0.0042	U	0.0033	U	0.002	U	0.003	U
CHLOROMETHANE	100	1000	NE	NE	NE	NE	mg/Kg	0.01	U	0.0083	U	0.0049	U	0.0074	U
2-CHLOROTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
4-CHLOROTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,2-DIBROMO-3-CHLOROPROPANE	10	100	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,2-DIBROMOETHANE (EDB)	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.001	U	0.00083	U	0.00049	U	0.00074	U
DIBROMOMETHANE	500	5000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,2-DICHLOROBENZENE	9	100	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,3-DICHLOROBENZENE	3	200	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,4-DICHLOROBENZENE	0.7	1	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
DICHLORODIFLUOROMETHANE	1000	10000	NE	NE	NE	NE	mg/Kg	0.01	U	0.0083	U	0.0049	U	0.0074	U
1,1-DICHLOROETHANE	0.4	9	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,2-DICHLOROETHANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,1-DICHLOROETHYLENE	3	40	NE	NE	NE	NE	mg/Kg	0.0042	U	0.0033	U	0.002	U	0.003	U
CIS-1,2-DICHLOROETHYLENE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
TRANS-1,2-DICHLOROETHYLENE	1	1	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,2-DICHLOROPROPANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,3-DICHLOROPROPANE	500	5000	NE	NE	NE	NE	mg/Kg	0.001	U	0.00083	U	0.00049	U	0.00074	U
2,2-DICHLOROPROPANE	0.1	0.2	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,1-DICHLOROPROPENE	0.01	0.1	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U

TABLE 1C
TYPE C-1 SOIL CHARACTERIZATION RESULTS
SUDBURY TO HUDSON TRANSMISSION PROJECT
SUDBURY, MASSACHUSETTS

SAMPLE LOCATION	RCS-1	RCS-2	Similar Soils for RCS-1	Concentrations in "Natural Soil" at RCS-1 Receiving	MA Lined Landfill	MA Unlined Landfill	Units	MP34		SB36		MP33		MW/SB-42	
SAMPLE DATE								10/11/2018		11/07/2018		11/01/2018		11/15/2018	
LAB NUMBER								18J0746-02		18K0569-02		18K0278-01		18K1190-04	
PID READING (ppmV)								0.0		0.0		0.0		0.0	
CIS-1,3-DICHLOROPROPENE	0.01	0.1	NE	NE	NE	NE	mg/Kg	0.001	U	0.00083	U	0.00049	U	0.00074	U
TRANS-1,3-DICHLOROPROPENE	0.01	0.1	NE	NE	NE	NE	mg/Kg	0.001	U	0.00083	U	0.00049	U	0.00074	U
DIETHYL ETHER	100	1000	NE	NE	NE	NE	mg/Kg	0.01	U	0.0083	U	0.0049	U	0.0074	U
DIISOPROPYL ETHER	100	1000	NE	NE	NE	NE	mg/Kg	0.001	U	0.00083	U	0.00049	U	0.00074	U
1,4-DIOXANE	0.2	6	NE	NE	NE	NE	mg/Kg	0.1	U	0.083	U	0.049	U	0.074	U
ETHYLBENZENE	40	1000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
HEXACHLOROBUTADIENE	30	100	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
2-HEXANONE	100	1000	NE	NE	NE	NE	mg/Kg	0.021	U	0.017	U	0.0098	U	0.015	U
ISOPROPYLBENZENE	1000	10000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
P-ISOPROPYLTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
METHYL TERT-BUTYL ETHER (MTBE)	0.1	100	NE	NE	NE	NE	mg/Kg	0.0042	U	0.0033	U	0.002	U	0.003	U
METHYLENE CHLORIDE	0.1	20	NE	NE	NE	NE	mg/Kg	0.01	U	0.0083	U	0.0049	U	0.0074	U
4-METHYL-2-PENTANONE (MIBK)	0.4	50	NE	NE	NE	NE	mg/Kg	0.021	U	0.017	U	0.0098	U	0.015	U
NAPHTHALENE	4	20	NE	NE	NE	NE	mg/Kg	0.01	U	0.0083	U	0.002	U	0.003	U
N-PROPYLBENZENE	100	1000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
STYRENE	3	4	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,1,1,2-TETRACHLOROETHANE	0.1	0.1	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,1,2,2-TETRACHLOROETHANE	0.005	0.02	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.00074	U
TETRACHLOROETHYLENE	1	10	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
TETRAHYDROFURAN	500	5000	NE	NE	NE	NE	mg/Kg	0.01	U	0.0083	U	0.0049	U	0.0074	U
TOLUENE	30	1000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,2,3-TRICHLOROBENZENE	NE	NE	NE	NE	NE	NE	mg/Kg	0.0042	U	0.0033	U	0.00098	U	0.0015	U
1,2,4-TRICHLOROBENZENE	2	6	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,1,1-TRICHLOROETHANE	30	600	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,1,2-TRICHLOROETHANE	0.1	2	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
TRICHLOROETHYLENE	0.3	0.3	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
TRICHLOROFLUOROMETHANE	1000	10000	NE	NE	NE	NE	mg/Kg	0.01	U	0.0083	U	0.0049	U	0.0074	U
1,2,3-TRICHLOROPROPANE	100	1000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,2,4-TRIMETHYLBENZENE	1000	10000	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
1,3,5-TRIMETHYLBENZENE	10	100	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
VINYL CHLORIDE	0.7	0.7	NE	NE	NE	NE	mg/Kg	0.01	U	0.0083	U	0.0049	U	0.0074	U
M/P-XYLENE	100	100	NE	NE	NE	NE	mg/Kg	0.0042	U	0.0033	U	0.002	U	0.003	U
O-XYLENE	100	100	NE	NE	NE	NE	mg/Kg	0.0021	U	0.0017	U	0.00098	U	0.0015	U
SW-846 8270D				NE											
ACENAPHTHENE	4	3000	4	0.5	NE	NE	mg/Kg	***1.1***		0.19	U	0.22	U	0.21	U
ACENAPHTHYLENE	1	10	1	0.5	NE	NE	mg/Kg	0.2	U	0.19	U	0.49		0.31	
ACETOPHENONE	1000	10000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
ANILINE	1000	10000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
ANTHRACENE	1000	3000	10	1	NE	NE	mg/Kg	***2.3***		0.19	U	0.56		0.21	U
BENZO(A)ANTHRACENE	7	40	7	2	NE	NE	mg/Kg	1.1		0.19	U	***3.2***		0.95	
BENZO(A)PYRENE	2	7	2	2	NE	NE	mg/Kg	0.4		0.19	U	**2**		0.98	
BENZO(B)FLUORANTHENE	7	40	7	2	NE	NE	mg/Kg	1		0.19	U	***2.9***		1.5	
BENZO(G,H,I)PERYLENE	1000	3000	10	1	NE	NE	mg/Kg	0.2		0.19	U	0.77		0.69	
BENZO(K)FLUORANTHENE	70	400	10	1	NE	NE	mg/Kg	0.36		0.19	U	***1.2***		0.65	
BIS(2-CHLOROETHOXY)METHANE	500	5000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
BIS(2-CHLOROETHYL)ETHER	0.7	0.7	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
BIS(2-CHLOROISOPROPYL)ETHER	0.7	0.7	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
BIS(2-ETHYLHEXYL)PHTHALATE	90	600	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
4-BROMOPHENYL PHENYL ETHER	100	1000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
BUTYLBENZYLPHTHALATE	100	1000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
4-CHLOROANILINE	1	3	NE	NE	NE	NE	mg/Kg	0.77	U	0.73	U	0.84	U	0.82	U
2-CHLORONAPHTHALENE	1000	10000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
2-CHLOROPHENOL	0.7	100	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
CHRYSENE	70	400	20	2	NE	NE	mg/Kg	1.2		0.19	U	***2.6***		1.3	
DIBENZ(A,H)ANTHRACENE	0.7	4	0.7	0.5	NE	NE	mg/Kg	0.2	U	0.19	U	0.34		0.21	U
DIBENZOFURAN	100	1000	NE	NE	NE	NE	mg/Kg	1.6		0.38	U	0.43	U	0.42	U
DI-N-BUTYLPHTHALATE	50	500	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
1,2-DICHLOROBENZENE	9	100	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
1,3-DICHLOROBENZENE	3	200	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
1,4-DICHLOROBENZENE	0.7	1	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
3,3'-DICHLOROBENZIDINE	3	20	NE	NE	NE	NE	mg/Kg	0.2	U	0.19	U	0.22	U	0.21	U
2,4-DICHLOROPHENOL	0.7	40	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
DIETHYLPHTHALATE	10	200	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
2,4-DIMETHYLPHENOL	0.7	100	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
DIMETHYLPHTHALATE	0.7	50	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
2,4-DINITROPHENOL	3	50	NE	NE	NE	NE	mg/Kg	0.77	U	0.73	U	0.84	U	0.82	U
2,4-DINITROTOLUENE	0.7	10	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
2,6-DINITROTOLUENE	100	1000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
DI-N-OCTYLPHTHALATE	1000	10000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	50	500	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
FLUORANTHENE	1000	3000	40	4	NE	NE	mg/Kg	***6.1***		0.19	U	***8.3***		1.8	
FLUORENE	1000	3000	10	1	NE	NE	mg/Kg	0.65		0.19	U	0.22	U	0.21	U
HEXACHLOROBENZENE	0.7	0.8	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
HEXACHLOROBUTADIENE	30	100	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
HEXACHLOROETHANE	0.7	3	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
INDENO(1,2,3-CD)PYRENE	7	40	7	1	NE	NE	mg/Kg	0.24		0.19	U	***1.1***		0.78	
ISOPHORONE	100	1000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
2-METHYLNAPHTHALENE	0.7	80	0.7	0.5	NE	NE	mg/Kg	***0.67***		0.19	U	0.22	U	0.21	U
O-CRESOL	500	5000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
M/P-CRESOL	500	5000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
NAPHTHALENE	4	20	4	0.5	NE	NE	mg/Kg	***0.85***		0.19	U	0.22	U	0.21	U
NITROBENZENE	500	5000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
2-NITROPHENOL	100	1000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
4-NITROPHENOL	100	1000	NE	NE	NE	NE	mg/Kg	0.77	U	0.73	U	0.84	U	0.82	U
PENTACHLOROPHENOL	3	10	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
PHENANTHRENE	10	1000	10	3	NE	NE	mg/Kg	**10**		0.19	U	0.22	U	0.61	
PHENOL	1	20	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
PYRENE	1000	3000	40	4	NE	NE	mg/Kg	***4.2***		0.19	U	***6.4***		2	
PYRIDINE	500	5000	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
1,2,4-TRICHLOROBENZENE	2	6	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
2,4,5-TRICHLOROPHENOL	4	600	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
2,4,6-TRICHLOROPHENOL	0.7	20	NE	NE	NE	NE	mg/Kg	0.39	U	0.38	U	0.43	U	0.42	U
SW-846 9014															
REACTIVE CYANIDE	NE	NE	NE	NE	NE	NE	mg/Kg	4	U	4	U	3.9	U	4	U
SW-846 9030A															
REACTIVE SULFIDE	NE	NE	NE	NE	NE	NE	mg/Kg	20	U	20	U	20	U	20	U
SW-846 9045C															
PH	NE	NE	NE	NE	NE	NE	pH Units	6.6		5.4		5.9		5.3	

NOTES:
Bolded, shaded, and underlined results meet or exceed regulatory threshold
Bolded results are a laboratory detection limit that exceed a regulatory threshold
Bolded and italic results meet or exceed Similar Soils Natural Background
RCS-x = MCP Reportable Concentrations for Soil Category x
U = Not detected above the laboratory reporting limits shown to the left of the "U"
NE = Standard not established
mg/kg = Milligrams per kilogram, aslo known as parts per million
J = Modfied results based on quality control analysis

SOIL DISPOSAL CLASSIFICATION CATEGORIES

Type A Soil: Reuse at Sand and Gravel facility: Soils which do not contain oil or hazardous material (OHM) or contain OHM below levels consistent with "natural" soil per MassDEP's Similar Soils Provision Guidance (WSC-13-500) are not considered Remediation Waste; this includes soil that exhibits concentrations of TPH less than or equal to 25 parts per million (ppm). These "natural" soils may be reused at specific beneficial reuse locations on a case by case basis under the discretion of Eversource and may be reused at an active sand and gravel processing facility that holds a Site Assignment Authorization with approval from the LSP-of-Record. Facilities that are reclaiming former sand and gravel pits must have a MassDEP approved ACO in place in accordance with MassDEP Interim Policy COMM-15-01: Re-Use of Soil for Large

Type B-1 Soil: <RCS-1 Beneficial Reuse: Soil containing OHM concentrations below MCP RCS-1 criteria can be used as fill material at off-site industrial/commercial locations provided that pre-existing OHM concentrations at the fill location are equal to or higher than those that exist in the construction generated soil and are not located within the Utility Related Abatement Measure (URAM). Facilities must have a MassDEP approved Administrative Consent Order (ACO) in place in accordance with MassDEP Interim Policy

Type C-1 Soil: Massachusetts Unlined Landfills: Soil that contains OHM concentrations above MCP RCS-1 levels but below the criteria for Massachusetts Unlined landfills per M

TABLE 1D
TYPE D-3 SOIL CHARACTERIZATION RESULTS
SUDBURY TO HUDSON TRANSMISSION PROJECT
SUDBURY, MASSACHUSETTS

Station Name Depth Sample Date	Units	MCP RCS-2	COMM-97 Reuse Levels Lined Landfills	COMM-97-001 Reuse Levels Unlined Landfills	SB-201 12/30/2022		SB-202 12/30/2022		SB-204 12/30/2022		SB-205 12/30/2022		SB-207 12/30/2022		SB-208 12/30/2022		SB-210 12/30/2022	
					Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
RCRA Charac (7.3.3.2)																		
Reactive Cyanide	mg/kg				2	U	2	U	2	U	2	U	2	U	2	U	2	U
RCRA Charac (7.3.4.1)																		
Reactive Sulfide	mg/kg				2	U	2	U	2	U	2	U	2	U	2	U	2	U
RCRA Charac (9045)																		
Corrosivity PH	s.u.				**5.27**		**5.27**		**5.23**		**4.7**		**5.48**		**4.95**		**5.17**	
Other (1010A)																		
Flashpoint	Deg F				**>200**		**>200**		**>200**		**>200**		**>200**		**>200**		**>200**	
Other (9050A)																		
Conductivity	umhos/cm		8,000		**9**		**12**		**11**		**30**		**30**		**14**		**11**	
TCLP Extraction (1311)																		
Temperature (Min C)	°C				NA		NA		**21**		**21**		**21**		NA		**21**	
Temperature (Max C)	°C				NA		NA		**22.1**		**22.1**		**22.1**		NA		**22.1**	
Temperature (Range)	°C				NA		NA		**23 +/- 2 C**		**23 +/- 2 C**		**23 +/- 2**		NA		**23 +/- 2**	
Metals (6010C)																		
Antimony	mg/kg	30			5.24	U	5.23	U	5.2	U	5.75	U	5.12	U	5.43	U	4.9	U
Arsenic	mg/kg	20	40	40	**93.8**		**12.1**		**8.32**		**108**		**114**		**81.8**		**102**	
Barium	mg/kg	3,000			**32.4**		**16.5**		**35.6**		**82.3**		**20.8**		**55.6**		**39.8**	
Beryllium	mg/kg	200			**0.39**		**0.19**		**0.25**		**0.7**		**0.22**		**0.48**		**0.29**	
Cadmium	mg/kg	100	80	30	0.52	U	0.52	U	0.52	U	0.57	U	0.51	U	0.54	U	0.49	U
Chromium	mg/kg	200	1,000	1,000	**11.9**		**9.1**		**7.83**		**9.46**		**11.2**		**8.1**		**8.23**	
Lead	mg/kg	600	2,000	1,000	**49.6**		**22.9**		**126**		**108**		**43**		**90.9**		**78.2**	
Nickel	mg/kg	1,000			**9.44**		**8.49**		**6.76**		**12.4**		**10.5**		**7.96**		**7.33**	
Selenium	mg/kg	700			5.24	U	5.23	U	5.2	U	5.75	U	5.12	U	5.43	U	4.9	U
Silver	mg/kg	200			0.52	U	0.52	U	0.52	U	0.57	U	0.51	U	0.54	U	0.49	U
Thallium	mg/kg	60			5.24	U	5.23	U	5.2	U	5.75	U	5.12	U	5.43	U	4.9	U
Vanadium	mg/kg	700			**15**		**9.93**		**10.5**		**21.4**		**12.4**		**13.7**		**11.5**	
Zinc	mg/kg	3,000			**20.2**		**15.5**		**14**		**20.5**		**19.1**		**15**		**14.5**	
Metals (7471B)																		
Mercury	mg/kg	30	10	10	0.033	U	0.031	U	**0.047**		**0.045**		0.034	U	**0.051**		0.036	U
TCLP Metals (1311/6010C)																		
Arsenic	mg/L				NA		NA		0.05	U	0.05	U	0.05	U	NA		0.05	U
Lead	mg/L				NA		NA		0.05	U	0.05	U	NA		NA		NA	
VOCs (8260B-Low)																		
1,1,1,2-Tetrachloroethane	mg/kg	0.1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,1,1-Trichloroethane	mg/kg	600			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,1,2,2-Tetrachloroethane	mg/kg	0.02			**0.005**		0.0045	U	0.0048	U	0.0035	U	0.0033	U	0.0032	U	0.0032	U
1,1,2-Trichloroethane	mg/kg	2			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,1-Dichloroethane	mg/kg	9			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,1-Dichloroethene	mg/kg	40			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,2,3-Trichloropropane	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,2,4-Trichlorobenzene	mg/kg	6			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,2,4-Trimethylbenzene	mg/kg	10,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,2-Dibromo-3-chloropropane	mg/kg	100			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,2-Dichlorobenzene	mg/kg	100			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,2-Dichloroethane	mg/kg	0.1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,2-Dichloropropane	mg/kg	0.1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,3,5-Trimethylbenzene	mg/kg	100			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,3-Dichlorobenzene	mg/kg	200			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,3-Dichloropropane	mg/kg	5,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,4-Dichlorobenzene	mg/kg	1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,4-Dioxane	mg/kg	6			0.08	U	0.0728	U	0.0763	U	0.0933	U	0.0879	U	0.0853	U	0.085	U
2,2-Dichloropropane	mg/kg	0.2			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
2-chlorotoluene	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
2-Hexanone	mg/kg	1,000			0.05	U	0.0455	U	0.0477	U	0.0583	U	0.0549	U	0.0533	U	0.0531	U
4-chlorotoluene	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
4-Methyl-2-pentanone (MIBK)	mg/kg	50			0.05	U	0.0455	U	0.0477	U	0.0583	U	0.0549	U	0.0533	U	0.0531	U
Acetone	mg/kg	50			0.05	U	0.0455	U	0.0477	U	**0.136**		**0.0763**		0.0533	U	0.0531	U
Benzene	mg/kg	200			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Bromobenzene	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Bromochloromethane	mg/kg				0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Bromodichloromethane	mg/kg	0.1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Bromoform	mg/kg	1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Bromomethane	mg/kg	0.5			0.01	U	0.0091	U	0.0095	U	0.0117	U	0.011	U	0.0107	U	0.0106	U
Carbon disulfide	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Carbon tetrachloride	mg/kg	5			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Chlorobenzene	mg/kg	3			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Chloroethane	mg/kg	1,000			0.01	U	0.0091	U	0.0095	U	0.0117	U	0.011	U	0.0107	U	0.0106	U
Chloroform	mg/kg	0.2			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Chloromethane	mg/kg	1,000			0.01	U	0.0091	U	0.0095	U	0.0117	U	0.011	U	0.0107	U	0.0106	U
cis-1,2-Dichloroethene	mg/kg	0.1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
cis-1,3-Dichloropropene	mg/kg	0.1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Dibromochloromethane	mg/kg	0.03			**0.005**		0.0045	U	0.0048	U	0.0035	U	0.0033	U	0.0032	U	0.0032	U
Dibromomethane	mg/kg	5,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Dichlorodifluoromethane	mg/kg	10,000			0.01	U	0.0091	U	0.0095	U	0.0117	U	0.011	U	0.0107	U	0.0106	U
Diethyl ether	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Diisopropyl ether	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Ethylbenzene	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Ethylene dibromide	mg/kg	0.1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Hexachlorobutadiene	mg/kg	100			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Isopropylbenzene	mg/kg	10,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Methyl ethyl ketone (MEK)	mg/kg	50			0.05	U	0.0455	U	0.0477	U	0.0583	U	0.0549	U	0.0533	U	0.0531	U
Methyl tert butyl ether (MTBE)	mg/kg	100			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Methylene chloride	mg/kg	4			0.025	U	0.0227	U	0.0238	U	0.0292	U	0.0275	U	0.0267	U	0.0266	U
n-Butylbenzene	mg/kg				0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
n-Propylbenzene	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
p-Isopropyltoluene	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
sec-Butylbenzene	mg/kg				0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Styrene	mg/kg	4			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
tert-Amyl Methyl Ether	mg/kg				0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
tert-Butyl Ethyl Ether	mg/kg				0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
tert-Butylbenzene	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Tetrachloroethene	mg/kg	10			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Tetrahydrofuran	mg/kg	5,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Toluene	mg/kg	1,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
trans-1,2-Dichloroethene	mg/kg	1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
trans-1,3-Dichloropropene	mg/kg	0.1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Trichloroethene	mg/kg	0.3			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Trichlorofluoromethane	mg/kg	10,000			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Vinyl chloride	mg/kg	0.7			0.01	U	0.0091	U	0.0095	U	0.0117	U	0.011	U	0.0107	U	0.0106	U
m,p-Xylene	mg/kg	100			0.01	U	0.0091	U	0.0095	U	0.0117	U	0.011	U	0.0107	U	0.0106	U
o-Xylene	mg/kg	100			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
Xylene (Total)	mg/kg	100			0	U	0.00909	U	0.00954	U	0.0117	U	0.011	U	0.0107	U	0.0106	U
1,1-Dichloropropene	mg/kg	0.1			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
1,2,3-Trichlorobenzene	mg/kg				0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U

Table
Type D Soil Pre-characterization Results
Sudbury to Hudson Transmission Project
Sudbury, Massachusetts

Station Name Depth Sample Date	Units	MCP RCS-2	COMM-97 Reuse Levels Lined Landfills	COMM-97-001 Reuse Levels Unlined Landfills	SB-201 12/30/2022		SB-202 12/30/2022		SB-204 12/30/2022		SB-205 12/30/2022		SB-207 12/30/2022		SB-208 12/30/2022		SB-210 12/30/2022	
					Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
VOCs (8270D)																		
1,2,4-Trichlorobenzene	mg/kg	6			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	**0.419**	
1,2-Dichlorobenzene	mg/kg	100			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	**0.365**	
1,3-Dichlorobenzene	mg/kg	200			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	**0.378**	
1,4-Dichlorobenzene	mg/kg	1			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Hexachlorobutadiene	mg/kg	100			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Total VOCs	mg/kg				**0.1126**	Y	ND	Y	NA		**0.1654**	Y	**0.0763**	Y	**0.0083**	Y	**0.8114**	Y
Hydrocarbon (8100M)																		
Total Petroleum Hydrocarbons	mg/kg	3,000	5,000	2,500	**56.2**		**65.5**		**26**		**767**		**150**		**284**		**194**	
SVOCs (8081B)																		
Hexachlorobenzene	mg/kg	0.8			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	**0.0035**	
SVOCs (8260B-Low)																		
Naphthalene	mg/kg	20			0.005	U	0.0045	U	0.0048	U	0.0058	U	0.0055	U	0.0053	U	0.0053	U
SVOCs (8270D)																		
1,1-Biphenyl	mg/kg				**0.037**		0.027	U	0.027	U	**0.114**		0.028	U	**0.044**		**0.066**	
2,4,5-Trichlorophenol	mg/kg	600			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
2,4,6-Trichlorophenol	mg/kg	20			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
2,4-Dichlorophenol	mg/kg	40			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
2,4-Dimethylphenol	mg/kg	100			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
2,4-Dinitrophenol	mg/kg	50			1.1	U	1.07	U	1.09	U	1.24	U	1.14	U	1.18	U	1.13	U
2,4-Dinitrotoluene	mg/kg	10			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
2,6-Dinitrotoluene	mg/kg	1,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
2-Chloronaphthalene	mg/kg	10,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
2-Chlorophenol	mg/kg	100			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
2-Methylnaphthalene	mg/kg	80			**0.311**		0.268	U	0.272	U	**0.72**		0.284	U	**0.297**		**0.467**	
2-Methylphenol	mg/kg	5,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
2-Nitrophenol	mg/kg	1,000			0.55	U	0.537	U	0.544	U	0.618	U	0.569	U	0.59	U	0.563	U
3,3'-Dichlorobenzidine	mg/kg	20			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
3/4-Methylphenol	mg/kg	5,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
4-Bromophenyl-phenylether	mg/kg	1,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
4-Chloroaniline	mg/kg	3			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
4-Nitrophenol	mg/kg	1,000			1.1	U	1.07	U	1.09	U	1.24	U	1.14	U	1.18	U	1.13	U
Acenaphthene	mg/kg	3,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Acenaphthylene	mg/kg	10			0.275	U	0.268	U	0.272	U	**1.96**		0.284	U	0.295	U	**0.937**	
Acetophenone	mg/kg	10,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Aniline	mg/kg	10,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Anthracene	mg/kg	3,000			0.275	U	0.268	U	0.272	U	**1.72**		**0.359**		0.295	U	**0.75**	
Azobenzene	mg/kg	500			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
bis(2-Chloroethoxy)methane	mg/kg	5,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
bis(2-Chloroethyl)ether	mg/kg	0.7			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
bis(2-Chloroisopropyl)ether	mg/kg	0.7			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
bis(2-Ethylhexyl)phthalate	mg/kg	600			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Butyl benzyl phthalate	mg/kg	1,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Chrysene	mg/kg	400			0.275	U	**0.272**		0.272	U	**5.55**		**1.14**		**0.638**		**3.6**	
Dibenzofuran	mg/kg	1,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Dimethyl phthalate	mg/kg	50			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Di-N-Butyl phthalate	mg/kg	500			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Di-N-Octyl phthalate	mg/kg	10,000			0.55	U	0.537	U	0.544	U	0.618	U	0.569	U	0.59	U	0.563	U
Fluoranthene	mg/kg	3,000			0.275	U	**0.509**		0.272	U	**6.71**		**1.66**		**0.932**		**4.84**	
Fluorene	mg/kg	3,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Hexachlorobenzene	mg/kg	0.8			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Hexachloroethane	mg/kg	3			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Isophorone	mg/kg	1,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Naphthalene	mg/kg	20			0.275	U	0.268	U	0.272	U	**0.66**		0.284	U	0.295	U	**0.413**	
Nitrobenzene	mg/kg	5,000			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
N-Nitrosodimethylamine	mg/kg	500			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Pentachlorophenol	mg/kg	10			1.1	U	1.07	U	1.09	U	1.24	U	1.14	U	1.18	U	1.13	U
Phenanthrene	mg/kg	1,000			0.275	U	0.268	U	0.272	U	**1.6**		0.284	U	**0.344**		**0.523**	
Phenol	mg/kg	20			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Pyrene	mg/kg	3,000			0.275	U	**0.426**		0.272	U	**5.61**		**1.15**		**0.864**		**5.34**	
Benz(a)anthracene	mg/kg	40			0.275	U	0.268	U	0.272	U	**3.62**		**0.529**		**0.393**		**2.49**	
Benzo(a)pyrene	mg/kg	7			0.275	U	0.268	U	0.272	U	**3.13**		**0.366**		**0.364**		**2.37**	
Benzo(b)fluoranthene	mg/kg	40			0.275	U	0.268	U	0.272	U	**6.22**		**1.01**		**0.523**		**3.51**	
Benzo(k)fluoranthene	mg/kg	400			0.275	U	0.268	U	0.272	U	**4.23**		**0.61**		**0.431**		**2.95**	
Benzo(g,h,i)perylene	mg/kg	3,000			0.275	U	0.268	U	0.272	U	**2.17**		0.284	U	0.295	U	**1.13**	
Dibenz(a,h)anthracene	mg/kg	4			0.275	U	0.268	U	0.272	U	**0.921**		0.284	U	0.295	U	**0.466**	
Indeno(1,2,3-cd)pyrene	mg/kg	40			0.275	U	0.268	U	0.272	U	**2.98**		**0.354**		0.295	U	**1.53**	
Diethyl phthalate	mg/kg	200			0.275	U	0.268	U	0.272	U	0.309	U	0.284	U	0.295	U	0.282	U
Total SVOCs	mg/kg				0.348	Y	**1.207**	Y	ND	Y	**47.915**	Y	**7.178**	Y	**4.83**	Y	**31.382**	Y
PCBs (8082A)																		
Aroclor 1016	mg/kg	4			0.05	U	0.05	U	0.05	U	0.06	U	0.06	U	0.06	U	0.06	U
Aroclor 1221	mg/kg	4			0.05	U	0.05	U	0.05	U	0.06	U	0.06	U	0.06	U	0.06	U
Aroclor 1232	mg/kg	4			0.05	U	0.05	U	0.05	U	0.06	U	0.06	U	0.06	U	0.06	U
Aroclor 1242	mg/kg	4			0.05	U	0.05	U	0.05	U	0.06	U	0.06	U	0.06	U	0.06	U
Aroclor 1248	mg/kg	4			0.05	U	0.05	U	0.05	U	0.06	U	0.06	U	0.06	U	0.06	U
Aroclor 1254	mg/kg	4			0.05	U	0.05	U	0.05	U	0.06	U	0.06	U	0.06	U	0.06	U
Aroclor 1260	mg/kg	4			0.05	U	0.05	U	0.05	U	0.06	U	0.06	U	0.06	U	0.06	U
Aroclor 1262	mg/kg	4			0.05	U	0.05	U	0.05	U	0.06	U	0.06	U	0.06	U	0.06	U
Aroclor 1268	mg/kg	4			0.05	U	0.05	U	0.05	U	0.06	U	0.06	U	0.06	U	0.06	U
Total PCBs	mg/kg			2	0		0		0		0	U	0		0	U	0	
Pesticides (8081B)																		
4,4'-DDD	mg/kg	40			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
4,4'-DDE	mg/kg	30			**0.0601**		0.0026	U	0.0027	U	**0.0088**		**0.0036**		**0.0041**		**0.0115**	
4,4'-DDT	mg/kg	30			**0.0425**		0.0026	U	0.0027	U	**0.0206**		**0.007**		**0.0042**		**0.0159**	
Aldrin	mg/kg	0.5			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Alpha-BHC	mg/kg	500			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Alpha-chlordane	mg/kg				0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Beta-BHC	mg/kg	100			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Chlordane	mg/kg	30			0.0226	U	0.0209	U	0.0216	U	0.0258	U	0.0234	U	0.0243	U	0.0224	U
Delta-BHC	mg/kg	100			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Dieldrin	mg/kg	0.5			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Endosulfan I	mg/kg	1			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Endosulfan II	mg/kg	1			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Endosulfan Sulfate	mg/kg				0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Endrin	mg/kg	20			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Endrin Ketone	mg/kg				0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Gamma-BHC	mg/kg	0.5			0.0017	U	0.0016	U	0.0016	U	0.0019	U	0.0018	U	0.0018	U	0.0017	U
Gamma-Chlordane	mg/kg				0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Heptachlor	mg/kg	2			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Heptachlor Epoxide	mg/kg	0.9			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U
Methoxychlor	mg/kg	400			0.0028	U	0.0026	U	0.0027	U	0.0032	U	0.0029	U	0.003	U	0.0028	U

Table
Type D Soil Pre-characterization Results
Sudbury to Hudson Transmission Project
Sudbury, Massachusetts

Station Name Depth Sample Date	Units	MCP RCS-2	COMM-97 Reuse Levels Lined Landfills	COMM-97-001 Reuse Levels Unlined Landfills	SB-201 12/30/2022		SB-202 12/30/2022		SB-204 12/30/2022		SB-205 12/30/2022		SB-207 12/30/2022		SB-208 12/30/2022		SB-210 12/30/2022	
					Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Herbicides (8151A)																		
2,4,5-T	mg/kg	1,000			0.01	U	0.01	U	0.01	U	0.012	U	0.01	U	0.011	U	0.011	U
2,4,5-TP	mg/kg	1,000			0.01	U	0.01	U	0.01	U	0.012	U	0.01	U	0.011	U	0.011	U
2,4-D	mg/kg	1,000			0.05	U	0.048	U	0.049	U	0.058	U	0.051	U	0.054	U	0.052	U
2,4-DB	mg/kg	1,000			0.051	U	0.049	U	0.049	U	0.058	U	0.052	U	0.055	U	0.053	U
Dicamba	mg/kg	5,000			0.01	U	0.01	U	0.01	U	0.012	U	0.01	U	0.011	U	0.01	U
Dichloroprop	mg/kg				0.05	U	0.048	U	0.049	U	0.058	U	0.051	U	0.054	U	0.052	U
Dinoseb	mg/kg	5,000			0.051	U	0.049	U	0.049	U	0.058	U	0.052	U	0.055	U	0.053	U
MCPA	mg/kg	1,000			2.48	U	2.4	U	2.41	U	2.85	U	2.53	U	2.67	U	2.59	U
MCPP	mg/kg				2.51	U	2.42	U	2.43	U	2.88	U	2.56	U	2.7	U	2.62	U
2,2-Dichloropropionic acid	mg/kg	10,000			0.049	U	0.047	U	0.047	U	0.056	U	0.05	U	0.052	U	0.051	U

QA/QC by MMS 1/23/2023

Notes:

MCP	Massachusetts Contingency Plan, 310 CMR 40.0000
mg/kg	Milligrams per kilogram (parts per million)
U	Not detected above laboratory reporting limit
Y	calculated value
F	The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum
NA	Not Analyzed
ND	Not detected above laboratory reporting limit
NS	No standard
Bold	Detected above laboratory method reporting limit
Bold	Detected above MCP Reportable Concentrations and/or COMM-97 Standards

Table 2
Summary of Sudbury Shallow Soil Arsenic Data
Sudbury to Hudson Transmission Project
Sudbury, Massachusetts

Sample Identification[1,2]	Sample Depth (feet)	Units	RCS-1	RCS-2	Similar Soils for RCS-1	Concentrations in "Natural Soil" at RCS-1 Receiving Location	MA Lined Landfill	MA Unlined Landfill	MCP Imminent Hazard Concentration	Arsenic Concentration
SB-101	0-1	mg/kg	20	20	20	20	40	40	40	4.48
SB-102	0-1	mg/kg	20	20	20	20	40	40	40	150
SB-103	0-1	mg/kg	20	20	20	20	40	40	40	6.58
SB-104	0-1	mg/kg	20	20	20	20	40	40	40	143
SB-105	0-1	mg/kg	20	20	20	20	40	40	40	30.5
SB-106	0-1	mg/kg	20	20	20	20	40	40	40	29.3
SB-107	0-1	mg/kg	20	20	20	20	40	40	40	43
SB-108	0-1	mg/kg	20	20	20	20	40	40	40	54.2
SB-109	0-1	mg/kg	20	20	20	20	40	40	40	6.56
SB-110	0-1	mg/kg	20	20	20	20	40	40	40	70.6
SB-111	0-1	mg/kg	20	20	20	20	40	40	40	21.5
SB-112	0-1	mg/kg	20	20	20	20	40	40	40	60 [18.8]
SB-113	0-1	mg/kg	20	20	20	20	40	40	40	123
SB-114	0-1	mg/kg	20	20	20	20	40	40	40	23.9
SB-115	0-1	mg/kg	20	20	20	20	40	40	40	37.7
SB-116	0-1	mg/kg	20	20	20	20	40	40	40	38.3
SB-117	0-1	mg/kg	20	20	20	20	40	40	40	54.2
SB-118	0-1	mg/kg	20	20	20	20	40	40	40	87.7
SB-119	0-1	mg/kg	20	20	20	20	40	40	40	40
SB-120	0-1	mg/kg	20	20	20	20	40	40	40	40.8
SB-121	0-1	mg/kg	20	20	20	20	40	40	40	26.7
SB-122	0-1	mg/kg	20	20	20	20	40	40	40	22.2
SB-123	0-1	mg/kg	20	20	20	20	40	40	40	23.5
SB-124	0-1	mg/kg	20	20	20	20	40	40	40	21
SB-125	0-1	mg/kg	20	20	20	20	40	40	40	14.1
SB-126	0-1	mg/kg	20	20	20	20	40	40	40	144
SB-201	1-2	mg/kg	20	20	20	20	40	40	40	8.16
SB-202	1-2	mg/kg	20	20	20	20	40	40	40	6.04
SB-203	1-2	mg/kg	20	20	20	20	40	40	40	6.45
SB-204	1-2	mg/kg	20	20	20	20	40	40	40	6.73
SB-205	1-2	mg/kg	20	20	20	20	40	40	40	6.66
SB-206	1-2	mg/kg	20	20	20	20	40	40	40	3.39
SB-207	1-2	mg/kg	20	20	20	20	40	40	40	6.65
SB-208	1-2	mg/kg	20	20	20	20	40	40	40	7.89
SB-209	1-2	mg/kg	20	20	20	20	40	40	40	4.2
SB-210	1-2	mg/kg	20	20	20	20	40	40	40	4.58
SB-211	1-2	mg/kg	20	20	20	20	40	40	40	6.56
SB-212	1-2	mg/kg	20	20	20	20	40	40	40	6.74

NOTES:

Bolded resultes exceeds laboratory reporting limit

Bolded, shaded (light), and underlined results meet or exceed regulatory threshold

Bolded, shaded (dark), and underlined results meet or exceeds Imminent Hazard concentration

[ ] = Results from a duplicate sample collected

RCS-x = MCP Reportable Concentrations for Soil Category x

U = Not detected above the laboratory reporting limits shown to the left of the "U"

NE = Standard not established

mg/kg = Milligrams per kilogram, aslo known as parts per million

[1] = Samples SB-101 to SB-118 taken 12/7/2021 and samples SB-119 to SB-126 taken 12/8/2021

[2] = **SOIL DISPOSAL CLASSIFICATION CATEGORIES** (color code criteria listed below)

Type A Soil: Reuse at Sand and Gravel facility: Soils which do not contain oil or hazardous material (OHM) or contain OHM below levels consistent with "natural" soil per MassDEP's Similar Soils Provision Guidance (WSC-13-500) are not considered Remediation Waste; this includes soil that exhibits concentrations of TPH less than or equal to 25 parts per million (ppm). These "natural" soils may be reused at specific beneficial reuse locations on a case by case basis under the discretion of Eversource and may be reused at an active sand and gravel processing facility that holds a Site Assignment Authorization with approval from the LSP-of-Record. Facilities that are reclaiming former sand and gravel pits must have a MassDEP approved ACO in place in accordance with MassDEP Interim Policy COMM-15-01: Re-Use of Soil for Large Reclamation Projects Policy.

Type B-1 Soil: <RCS-1 Beneficial Reuse: Soil containing OHM concentrations below MCP RCS-1 criteria can be used as fill material at off-site industrial/commercial locations provided that pre-existing OHM concentrations at the fill location are equal to or higher than those that exist in the construction generated soil and are not located within the Utility Related Abatement Measure (URAM). Facilities must have a MassDEP approved Administrative Consent Order (ACO) in place in accordance with MassDEP Interim Policy COMM-15-01.

Type C-1 Soil: Massachusetts Unlined Landfills: Soil that contains OHM concentrations above MCP RCS-1 levels but below the criteria for Massachusetts Unlined landfills per MassDEP Policy COMM-97-001.

Type D-3 Soil: Non-Hazardous Waste Out of State RCRA Subtitle D Landfill Facility Daily Cover: Soil that contains OHM concentrations above MCP RCS-1 levels and above the criteria for Massachusetts unlined and lined landfills per MassDEP Policy COMM-97-001 but meets acceptance criteria for a permitted non-hazardous waste out of state Subtitle D landfill facility for use as daily cover.

Table 3
Summary of Sudbury ERB Targeted Soil Data
Sudbury to Hudson Transmission Project
Sudbury, Massachusetts

Parameter	Units	RCS-1	RCS-2	Similar Soils for RCS-1	Concentrations in "Natural Soil" at RCS-1 Receiving	MA Lined Landfill	MA Unlined Landfill	SB-127		SB-128		SB-129		SB-130		SB-131		SB-132		SB-133		
								0 - 8 ft		0 - 3 ft		0 - 8 ft		4 - 6 ft		6 - 7 ft		0 - 8 ft		0 - 8 ft		0 - 3 ft	
								12/3/2021		12/3/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021	
								Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metals - 6010C/6020A/7471B																							
Antimony	mg/kg	20	30	10	1	NE	NE	NA		NA		NA		NA		NA		2.49	U	NA		2.3	U
Arsenic	mg/kg	20	20	20	20	40	40	**5.7**		NA		3.22	U	NA		NA		**3.49**		**6.58**		**45**	
Barium	mg/kg	1000	3000	375	50	NE	NE	NA		NA		NA		NA		NA		**24.8**		NA		**41.8**	
Beryllium	mg/kg	90	200	4	0.4	NE	NE	NA		NA		NA		NA		NA		**0.28**		NA		**0.51**	
Cadmium	mg/kg	70	100	20	2	80	30	NA		NA		NA		NA		NA		0.25	U	NA		**0.23**	
Chromium	mg/kg	100	200	100	30	1000	1000	NA		NA		NA		NA		NA		**11.9**		NA		**14.2**	
Lead	mg/kg	200	600	200	100	2000	1000	5.02	U	**6.91**		**13.5**		NA		NA		**4.36**		**11.9**		**28.7**	
Mercury	mg/kg	20	30	3	0.3	10	10	NA		NA		NA		NA		NA		0.037	U	NA		0.037	U
Nickel	mg/kg	600	1000	150	20	NE	NE	NA		NA		NA		NA		NA		**9.29**		NA		**8.6**	
Selenium	mg/kg	400	700	5	0.5	NE	NE	NA		NA		NA		NA		NA		2.49	U	NA		**1.05**	
Silver	mg/kg	100	200	6	0.6	NE	NE	NA		NA		NA		NA		NA		0.5	U	NA		0.46	U
Thallium	mg/kg	8	60	6	0.6	NE	NE	NA		NA		NA		NA		NA		2.49	U	NA		2.3	U
Vanadium	mg/kg	400	700	225	30	NE	NE	NA		NA		NA		NA		NA		**18.3**		NA		**24.7**	
Zinc	mg/kg	1000	3000	500	100	NE	NE	NA		NA		NA		NA		NA		**21.1**		NA		**32.9**	
Polychlorinated Biphenyls (PCBs) - 8082A																							
Aroclor 1016	mg/kg	1	4	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.06	U	NA		0.06	U
Aroclor 1221	mg/kg	1	4	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.06	U	NA		0.06	U
Aroclor 1232	mg/kg	1	4	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.06	U	NA		0.06	U
Aroclor 1242	mg/kg	1	4	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.06	U	NA		0.06	U
Aroclor 1248	mg/kg	1	4	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.06	U	NA		0.06	U
Aroclor 1254	mg/kg	1	4	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.06	U	NA		0.06	U
Aroclor 1260	mg/kg	1	4	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.06	U	NA		0.06	U
Aroclor 1262	mg/kg	1	4	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.06	U	NA		0.06	U
Aroclor 1268	mg/kg	1	4	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.06	U	NA		0.06	U
Total PCBs	mg/kg	NE	NE	NE	NE	2	2	NA		NA		NA		NA		NA		0	U, Y	NA		0	U, Y
Volatile Organic Compounds (VOCs) 8260B																							
1,1,1,2-Tetrachloroethane	mg/kg	0.1	0.1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,1,1-Trichloroethane	mg/kg	30	600	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,1,2,2-Tetrachloroethane	mg/kg	0.005	0.02	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,1,2-Trichloroethane	mg/kg	0.1	2	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,1-Dichloroethane	mg/kg	0.4	9	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,1-Dichloroethene	mg/kg	3	40	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,1-Dichloropropene	mg/kg	0.01	0.1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,2,3-Trichlorobenzene	mg/kg	NE	NE	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,2,3-Trichloropropane	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,2,4-Trichlorobenzene	mg/kg	2	6	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,2,4-Trimethylbenzene	mg/kg	1000	10000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,2-Dibromo-3-chloropropane	mg/kg	10	100	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,2-Dichlorobenzene	mg/kg	9	100	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,2-Dichloroethane	mg/kg	0.1	0.1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,2-Dichloropropane	mg/kg	0.1	0.1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,3,5-Trimethylbenzene	mg/kg	10	100	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,3-Dichlorobenzene	mg/kg	3	200	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,3-Dichloropropane	mg/kg	500	5000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,4-Dichlorobenzene	mg/kg	0.7	1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
1,4-Dioxane	mg/kg	0.2	6	NE	NE	NE	NE	NA		NA		NA		NA		0.0767	U	0.0698	U	NA		NA	
2,2-Dichloropropane	mg/kg	0.1	0.2	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
2-chlorotoluene	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
2-Hexanone	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0479	U	0.0436	U	NA		NA	
4-chlorotoluene	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
4-Methyl-2-pentanone	mg/kg	0.4	50	NE	NE	NE	NE	NA		NA		NA		NA		0.0479	U	0.0436	U	NA		NA	
Acetone	mg/kg	6	50	NE	NE	NE	NE	NA		NA		NA		NA		0.0479	U	0.0436	U	NA		NA	
Benzene	mg/kg	2	200	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Bromobenzene	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Bromochloromethane	mg/kg	NE	NE	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Bromodichloromethane	mg/kg	0.1	0.1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	

Table 3
Summary of Sudbury ERB Targeted Soil Data
Sudbury to Hudson Transmission Project
Sudbury, Massachusetts

Parameter	Units	RCS-1	RCS-2	Similar Soils for RCS-1	Concentrations in "Natural Soil" at RCS-1 Receiving	MA Lined Landfill	MA Unlined Landfill	SB-127		SB-128		SB-129		SB-130		SB-131		SB-132		SB-133			
								0 - 8 ft		0 - 3 ft		0 - 8 ft		4 - 6 ft		6 - 7 ft		0 - 8 ft		0 - 8 ft		0 - 3 ft	
								12/3/2021		12/3/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021	
								Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Volatile Organic Compounds (VOCs) 8260B (cont')																							
Bromoform	mg/kg	0.1	1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Bromomethane	mg/kg	0.5	0.5	NE	NE	NE	NE	NA		NA		NA		NA		0.0096	U	0.0087	U	NA		NA	
Carbon disulfide	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Carbon tetrachloride	mg/kg	5	5	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Chlorobenzene	mg/kg	1	3	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Chloroethane	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0096	U	0.0087	U	NA		NA	
Chloroform	mg/kg	0.2	0.2	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Chloromethane	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0096	U	0.0087	U	NA		NA	
cis-1,2-Dichloroethene	mg/kg	0.1	0.1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
cis-1,3-Dichloropropene	mg/kg	0.01	0.1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Dibromochloromethane	mg/kg	0.005	0.03	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Dibromomethane	mg/kg	500	5000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Dichlorodifluoromethane	mg/kg	1000	10000	NE	NE	NE	NE	NA		NA		NA		NA		0.0096	U	0.0087	U	NA		NA	
Diethyl ether	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Diisopropyl ether	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Ethylbenzene	mg/kg	40	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Ethylene dibromide	mg/kg	0.1	0.1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Hexachlorobutadiene	mg/kg	30	100	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Isopropylbenzene	mg/kg	1000	10000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Methyl ethyl ketone	mg/kg	4	50	NE	NE	NE	NE	NA		NA		NA		NA		0.0479	U	0.0436	U	NA		NA	
Methyl tert butyl ether	mg/kg	0.1	100	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Methylene chloride	mg/kg	0.1	20	NE	NE	NE	NE	NA		NA		NA		NA		0.024	U	0.0218	U	NA		NA	
Naphthalene	mg/kg	4	20	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
n-Butylbenzene	mg/kg	NE	NE	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
n-Propylbenzene	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
p-Isopropyltoluene	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
sec-Butylbenzene	mg/kg	NE	NE	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Styrene	mg/kg	3	4	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
tert-Butyl Ethyl Ether	mg/kg	NE	NE	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
tert-Butylbenzene	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Tertiary-Amyl Methyl Ether	mg/kg	NE	NE	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Tetrachloroethene	mg/kg	1	10	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Tetrahydrofuran	mg/kg	500	5000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Toluene	mg/kg	30	1000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
trans-1,2-Dichloroethene	mg/kg	1	1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
trans-1,3-Dichloropropene	mg/kg	0.01	0.1	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Trichloroethene	mg/kg	0.3	0.3	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Trichlorofluoromethane	mg/kg	1000	10000	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Vinyl chloride	mg/kg	0.7	0.7	NE	NE	NE	NE	NA		NA		NA		NA		0.0096	U	0.0087	U	NA		NA	
m,p-Xylene	mg/kg	100	100	NE	NE	NE	NE	NA		NA		NA		NA		0.0096	U	0.0087	U	NA		NA	
o-Xylene	mg/kg	100	100	NE	NE	NE	NE	NA		NA		NA		NA		0.0048	U	0.0044	U	NA		NA	
Xylene (Total)	mg/kg	100	100	NE	NE	NE	NE	NA		NA		NA		NA		0.00958	U	0.00872	U	NA		NA	
Total VOCs	mg/kg	NE	NE	NE	NE	10	4	NA		NA		NA		NA		0	U, Y	0	U, Y	NA		NA	
Semi-Volatile Organic Compounds (SVOCs) - 8270D																							
1,2,4-Trichlorobenzene	mg/kg	2	6	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
1,2-Dichlorobenzene	mg/kg	9	100	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
1,3-Dichlorobenzene	mg/kg	3	200	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
1,4-Dichlorobenzene	mg/kg	0.7	1	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
2,4,5-Trichlorophenol	mg/kg	4	600	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
2,4,6-Trichlorophenol	mg/kg	0.7	20	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
2,4-Dichlorophenol	mg/kg	0.7	40	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
2,4-Dimethylphenol	mg/kg	0.7	100	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
2,4-Dinitrophenol	mg/kg	3	50	NE	NE	NE	NE	NA		NA		NA		NA		NA		1.97	U	NA		NA	
2,4-Dinitrotoluene	mg/kg	0.7	10	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
2,6-Dinitrotoluene	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
2-Chloronaphthalene	mg/kg	1000	10000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	

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Sudbury to Hudson Transmission Project
Sudbury, Massachusetts

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								0 - 8 ft		0 - 3 ft		0 - 8 ft		4 - 6 ft		6 - 7 ft		0 - 8 ft		0 - 8 ft		0 - 3 ft	
								12/3/2021		12/3/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021	
								Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Semi-Volatile Organic Compounds (SVOCs) - 8270D (cont')																							
2-Chlorophenol	mg/kg	0.7	100	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
2-Methylnaphthalene	mg/kg	0.7	80	0.7	0.5	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
2-Methylphenol	mg/kg	500	5000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
2-Nitrophenol	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
3,3'-Dichlorobenzidine	mg/kg	3	20	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.788	U	NA		NA	
3/4-Methylphenol	mg/kg	500	5000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.788	U	NA		NA	
4-Bromophenyl-phenylether	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
4-Chloroaniline	mg/kg	1	3	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.788	U	NA		NA	
4-Nitrophenol	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		NA		1.97	U	NA		NA	
Acenaphthene	mg/kg	4	3000	4	0.5	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
Acenaphthylene	mg/kg	1	10	1	0.5	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
Acetophenone	mg/kg	1000	10000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.788	U	NA		NA	
Aniline	mg/kg	1000	10000	NE	NE	NE	NE	NA		NA		NA		NA		NA		1.97	U	NA		NA	
Anthracene	mg/kg	1000	3000	10	1	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
Azobenzene	mg/kg	50	500	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Benzo(a)anthracene	mg/kg	7	40	7	2	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
Benzo(a)pyrene	mg/kg	2	7	2	2	NE	NE	0.175	U	NA		0.224	U	NA		NA		0.197	U	**0.193**		NA	
Benzo(b)fluoranthene	mg/kg	7	40	7	2	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
Benzo(g,h,i)perylene	mg/kg	1000	3000	10	1	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
Benzo(k)fluoranthene	mg/kg	70	400	10	1	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
bis(2-Chloroethoxy)methane	mg/kg	500	5000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
bis(2-Chloroethyl)ether	mg/kg	0.7	0.7	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
bis(2-Chloroisopropyl)ether	mg/kg	0.7	0.7	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
bis(2-Ethylhexyl)phthalate	mg/kg	90	600	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Butyl benzyl phthalate	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Chrysene	mg/kg	70	400	20	2	NE	NE	0.175	U	NA		0.224	U	NA		NA		0.197	U	**0.304**		NA	
Dibenzo(a,h)anthracene	mg/kg	0.7	4	0.7	0.5	NE	NE	0.175	U	NA		0.224	U	NA		NA		0.197	U	0.182	U	NA	
Dibenzofuran	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Diethyl phthalate	mg/kg	10	200	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Dimethyl phthalate	mg/kg	0.7	50	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Di-N-Butyl phthalate	mg/kg	50	500	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Di-N-Octyl phthalate	mg/kg	1000	10000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Fluoranthene	mg/kg	1000	3000	40	4	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	**0.375**		NA	
Fluorene	mg/kg	1000	3000	10	1	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
Hexachlorobenzene	mg/kg	0.7	0.8	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Hexachlorobutadiene	mg/kg	30	100	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Hexachloroethane	mg/kg	0.7	3	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Indeno(1,2,3-cd)pyrene	mg/kg	7	40	7	1	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
Isophorone	mg/kg	100	1000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Naphthalene	mg/kg	4	20	4	0.5	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
Nitrobenzene	mg/kg	500	5000	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
N-Nitrosodimethylamine	mg/kg	50	500	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Pentachlorophenol	mg/kg	3	10	NE	NE	NE	NE	NA		NA		NA		NA		NA		1.97	U	NA		NA	
Phenanthrene	mg/kg	10	1000	10	3	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
Phenol	mg/kg	1	20	NE	NE	NE	NE	NA		NA		NA		NA		NA		0.393	U	NA		NA	
Pyrene	mg/kg	1000	3000	40	4	NE	NE	0.35	U	NA		0.447	U	NA		NA		0.393	U	0.362	U	NA	
Total SVOCs	mg/kg	NE	NE	NE	NE	100	100	0	U, Y	NA		0	U, Y	NA		NA		0	U, Y	**0.872**	Y	NA	
Extractable Petoleum Hydrocarbons (EPH)																							
C19-C36 Aliphatics	mg/kg	3000	5000	NE	NE	NE	NE	NA		NA		NA		22.6	U	NA		NA		NA		NA	
C9-C18 Aliphatics	mg/kg	1000	3000	NE	NE	NE	NE	NA		NA		NA		22.6	U	NA		NA		NA		NA	
C11-C22 Aromatics	mg/kg	1000	3000	NE	NE	NE	NE	NA		NA		NA		22.6	U	NA		NA		NA		NA	
2-Methylnaphthalene	mg/kg	0.7	80	0.7	0.5	NE	NE	NA		NA		NA		0.3	U	NA		NA		NA		NA	
Acenaphthene	mg/kg	4	3000	4	0.5	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Acenaphthylene	mg/kg	1	10	1	0.5	NE	NE	NA		NA		NA		0.3	U	NA		NA		NA		NA	
Anthracene	mg/kg	1000	3000	10	1	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Benzo(a)anthracene	mg/kg	7	40	7	2	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	

Table 3
Summary of Sudbury ERB Targeted Soil Data
Sudbury to Hudson Transmission Project
Sudbury, Massachusetts

Parameter	Units	RCS-1	RCS-2	Similar Soils for RCS-1	Concentrations in "Natural Soil" at RCS-1 Receiving	MA Lined Landfill	MA Unlined Landfill	SB-127		SB-128		SB-129		SB-130		SB-131		SB-132		SB-133			
								0 - 8 ft		0 - 3 ft		0 - 8 ft		4 - 6 ft		6 - 7 ft		0 - 8 ft		0 - 8 ft		0 - 3 ft	
								12/3/2021		12/3/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021		12/6/2021	
								Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Extractable Petoleum Hydrocarbons (EPH) (cont')																							
Benzo(a)pyrene	mg/kg	2	7	2	2	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Benzo(b)fluoranthene	mg/kg	7	40	7	2	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Benzo(g,h,i)perylene	mg/kg	1000	3000	10	1	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Benzo(k)fluoranthene	mg/kg	70	400	10	1	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Chrysene	mg/kg	70	400	20	2	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Dibenzo(a,h)anthracene	mg/kg	0.7	4	0.7	0.5	NE	NE	NA		NA		NA		0.3	U	NA		NA		NA		NA	
Fluoranthene	mg/kg	1000	3000	40	4	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Fluorene	mg/kg	1000	3000	10	1	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	mg/kg	7	40	7	1	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Naphthalene	mg/kg	4	20	4	0.5	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Phenanthrene	mg/kg	10	1000	10	3	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Pyrene	mg/kg	1000	3000	40	4	NE	NE	NA		NA		NA		0.6	U	NA		NA		NA		NA	
Volatile Petroleum Hydrocarbons (VPH)																							
C5-C8 Aliphatics	mg/kg	100	500	NE	NE	NE	NE	NA		NA		NA		19.7	U	NA		NA		NA		NA	
C9-C10 Aromatics	mg/kg	100	500	NE	NE	NE	NE	NA		NA		NA		18.9	U	NA		NA		NA		NA	
C9-C12 Aliphatics	mg/kg	1000	3000	NE	NE	NE	NE	NA		NA		NA		39.2	U	NA		NA		NA		NA	
Benzene	mg/kg	2	200	NE	NE	NE	NE	NA		NA		NA		0.38	U	NA		NA		NA		NA	
Toluene	mg/kg	30	1000	NE	NE	NE	NE	NA		NA		NA		0.38	U	NA		NA		NA		NA	
Ethylbenzene	mg/kg	40	1000	NE	NE	NE	NE	NA		NA		NA		0.38	U	NA		NA		NA		NA	
m,p-Xylene	mg/kg	100	100	NE	NE	NE	NE	NA		NA		NA		0.75	U	NA		NA		NA		NA	
o-Xylene	mg/kg	100	100	NE	NE	NE	NE	NA		NA		NA		0.38	U	NA		NA		NA		NA	
Xylene (Total)	mg/kg	100	100	NE	NE	NE	NE	NA		NA		NA		0	U, Y	NA		NA		NA		NA	
Methyl tert butyl ether	mg/kg	0.1	100	NE	NE	NE	NE	NA		NA		NA		0.09	U	NA		NA		NA		NA	
Naphthalene	mg/kg	4	20	4	0.5	NE	NE	NA		NA		NA		0.38	U	NA		NA		NA		NA	
Total Petroleum Hydrocarbons (TPH) - 8100M																							
Total Petroleum Hydrocarbons	mg/kg	1000	3000	NE	NE	5000	2500	10.2	U	NA		13.5	U	NA		NA		11.7	U	10.5	U	**37.6**	

NOTES:
Bolded resultes exceeds laboratory reporting limit
Bolded, shaded, and underlined results meet or exceed regulatory threshold
RCS-x = MCP Reportable Concentrations for Soil Category x
* = Laboratory reporting limit exceeds a regulatory threshold
U = Not detected above the laboratory reporting limits shown to the left of the "U"
Y = Calculated value
NE = Standard not established
NA = Not Analyzed
mg/kg = Milligrams per kilogram, aslo known as parts per million

SOIL DISPOSAL CLASSIFICATION CATEGORIES

Type A Soil: Reuse at Sand and Gravel facility: Soils which do not contain oil or hazardous material (OHM) or contain OHM below levels consistent with "natural" soil per MassDEP's Similar Soils Provision Guidance (WSC-13-500) are not considered Remediation Waste; this includes soil that exhibits concentrations of TPH less than or equal to 25 parts per million (ppm). These "natural" soils may be reused at specific beneficial reuse locations on a case by case basis under the discretion of Eversource and may be reused at an active sand and gravel processing facility that holds a Site Assignment Authorization with approval from the LSP-of-Record. Facilities that are reclaiming former sand and gravel pits must have a MassDEP approved ACO in place in accordance with MassDEP Interim Policy COMM-15-01: Re-Use of Soil for Large Reclamation Projects Policy.

Type B-1 Soil: <RCS-1 Beneficial Reuse: Soil containing OHM concentrations below MCP RCS-1 criteria can be used as fill material at off-site industrial/commercial locations provided that pre-existing OHM concentrations at the fill location are equal to or higher than those that exist in the construction generated soil and are not located within the Utility Related Abatement Measure (URAM). Facilities must have a MassDEP approved Administrative Consent Order (ACO) in place in accordance with MassDEP Interim Policy COMM-15-01.

Type C-1 Soil: Massachusetts Unlined Landfills: Soil that contains OHM concentrations above MCP RCS-1 levels but below the criteria for Massachusetts Unlined landfills per MassDEP Policy COMM-97-001.

Type D-3 Soil: Non-Hazardous Waste Out of State RCRA Subtitle D Landfill Facility Daily Cover: Soil that contains OHM concentrations above MCP RCS-1 levels and above the criteria for Massachusetts unlined and lined landfills per MassDEP Policy COMM-97-001 but meets acceptance criteria for a permitted non-hazardous waste out of state Subtitle D landfill facility for use as daily cover.

January 4, 2023

W.L. French Excavating Corporation
14 Sterling Road
North Billerica, MA 01862

Attention: Mr. Dan Walsh

Reference: WLF Profile Number 1574
Eversource Sudbury to Hudson Transmission Project
Sudbury and Hudson, MA
Consultant: Weston & Sampson Engineers, Inc.
Vanasse Hangen Brustlin, Inc.

This letter summarizes the acceptability of soils for use as filling/grading material at the Dudley Reclamation Project located at 123 Oxford Avenue in Dudley, Massachusetts. McPhail Associates, LLC received a submittal on December 7, 2022 from W.L. French Excavating Corporation of Billerica, Massachusetts requesting approval for the use of soil at the Dudley Reclamation Project. Revised submittals were received by McPhail Associates on December 27, 2022 and January 4, 2023. The revised submittals included clarification on soil generation areas, updated summary tables, and revised profile form and checklist. The soil proposed for transport to the Dudley Reclamation Project is to be generated from the areas identified on Figure 2, Sheet 1 through Sheet 8 provided to McPhail Associates in the submittal dated December 30, 2022.

It is understood that the soil will be generated during installation of approximately 9 miles of underground electrical transmission line, and associated appurtenances. The transmission line is proposed for roadways within Sudbury and Hudson, MA, as well as an inactive MBTA railroad easement within Sudbury, Hudson, Marlborough, and Stow, MA. Based upon the information provided, the project will be completed between the Hudson Light and Power Department in Hudson, MA and the Sudbury Substation in Sudbury, MA.

Sampling of the material proposed to be re-used at the Dudley Reclamation Project was conducted by Vanasse Hangen Brustlin, Inc. of Watertown, MA. Based upon a Licensed Site Professional letter and Material Shipping Record signed by Paul McKinlay, P.G., L.S.P. of Weston & Sampson Engineers, Inc., the volume of material proposed for re-use within the less than RCS-1 area of the Dudley Reclamation Project is 32,000 cubic yards. However, based upon information received on January 4, 2023 the proposed volume of soil to be transported to the Dudley Reclamation Project is **26,000 cubic yards**.

McPhail Associates, LLC reviewed the analytical data for the soils from 157 Cordaville Road in Southborough. The submitted chemical test results include analysis for pH, conductivity, reactive sulfide and cyanide, ignitability/flashpoint, Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), total MCP 14 metals, Total Petroleum Hydrocarbons, Chlorinated Herbicides, Pesticides, and Polychlorinated Biphenyls. The analysis was performed by Contest Analytical Laboratory of East Longmeadow, MA and ESS

Laboratory of Cranston, RI. The frequency of testing was performed in accordance with the Fill Management Plan.

McPhail Associates, LLC has prepared a Fill Management Plan (FMP) which governs the acceptability and usage of soils at the Dudley Reclamation Project. In addition, the DEP has issued an Administrative Consent Order ACO-CE-16-3E003 for this project. The soil screening and analytical test results for the soil represented by the submitted soil approval package were compared to the allowable concentrations contained in the FMP.

Profile Number	Date	Approved Volume (CY)
WLF 1574	01/04/2023	26,000

Field headspace screening of the soil that is subject to this approval shall be conducted at the time of excavation and load-out in accordance with the FMP. If during the excavation of this material, conditions change which may affect the data submitted and reviewed as part of this approval, W.L. French Excavating Corporation must immediately notify McPhail Associates, LLC of the potential change in condition because McPhail Associates, LLC may require that additional field screening and/or laboratory testing be performed at the site of generation to determine the continued acceptance of the soil at the Dudley Reclamation Project.

In forming the opinion stated herein, McPhail Associates, LLC did not independently review or verify any of the information provided by Weston & Sampson Engineers, Inc. and Vanasse Hangen Brustlin, Inc., nor have we reviewed or relied on any communications of information other than that listed above. The opinion stated herein assumes that the Submittal is complete, accurate, and representative of the soil proposed for re-use at the Dudley Reclamation Project.

Very truly yours,

McPHAIL ASSOCIATES, LLC

Peter J. DeChaves, LSP

N:\Working Documents\Jobs\5945 Dudley Reclamation Project\Disposal Package Review\Approval Letters\January 2023\WLF 1574 Eversource Sudbury_Hudson DRP_Acceptance Letter 010423.docx

PJD/JGL

Eversource Sudbury to Hudson A and B1 to Dudley 44,200 ton Profile 1574

Massachusetts Department of Environmental Protection
Bureau of Air & Waste

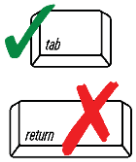
Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

A. Location Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Provide the following information on the location where the waste was generated:

Sudbury to Hudson Transmission Project
Release name (optional)

Forest Ave/Wilkins St & Former MBTA ROW
Street

Public Roadways and MBTA ROW
Location aid

Sudbury & Hudson
City/Town

MA
State

Zip code

2. Date/Period of generation: 10/26/22 From 11/26/23 To

3. U.S. EPA ID number:

4. 21E release: ☐ Yes ☒ No

5. List additional tracking documents associated with this document:

B. Generator Information

Important: This form is not to be used for the shipment of remediation wastes subject to management under section 310 CMR 40.0035 of the Massachusetts Contingency Plan nor is it to be used in lieu of a hazardous waste manifest for hazardous waste or recyclable materials subject to the Massachusetts Hazardous Waste Regulations 310 CMR 30.000.

1. Provide the following generator information:

Eversource Energy
Name of organization

Matthew Devlin
Contact name

Senior Environmental Specialist
Title

247 Station Drive
Street address

Westwood
City/Town

MA
State

02090
Zip code

781-441-8845
Telephone number(including extension)

C. Owner and/or Operator Information

1. If the owner and/or operator is different from the generator as indicated in Section B, provide the following information:

Check applicable: ☐ owner ☒ operator

See above
Name of organization

Contact name

Title

Street address

City/Town

State

Zip code

Telephone number

Ext.

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

D. Transporter/Common Carrier Information

1. Provide the following information:

W. L. French Excavating Corporation
Transporter/Common carrier name

Not Applicable
Hazardous waste license number (if applicable)

Licensing state (if applicable)

William French Jr.
Contact person

President
Title

14 Sterling Road
Street

North Billerica
City/Town

MA
State

01862
Zip code

978-663-2623
Telephone number

Ext.

E. Receiving Facility Information

1. Provide the following information on the receiving facility:

W. L. French Excavating Corporation / Dudley Reclamation Project 123 Oxford Avenue
Operator/Facility name

William French Jr. / Jarrett Everton
Contact person

President / Director of Environmental Services
Title

123 Oxford Avenue
Street

Dudley
City/Town

MA
State

01571
Zip code

978-663-2623
Telephone number

Ext.

2. Type of facility:

- ☐ asphalt batch/cold mix
- ☐ asphalt batch/hot mix
- ☐ landfill/disposal
- ☐ landfill/ daily cover
- ☐ thermal processing
- ☐ landfill/structural fill
- ☒ other(specify): Quarry Reclamation

3. Permit number: Fill Management Plan / MassDEP ACO-CE-16-3E003

Massachusetts Department of Environmental Protection
Bureau of Air & Waste

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

F. Description of Material

Check all that apply:

1. a. ☒ soil ☐ dredge material ☒ fill

   b. Description: Sandy fill and native sand/silty sand with some debris (organics, asphalt, and wood)

   c. Classification: ☐ MIT ☒ USDA ☐ USAEC ☐ ASEE

2. ☐ Other(describe):

3. Type of contamination:

   a. ☐ gasoline ☐ diesel fuel ☐ #2 oil ☐ #4 oil
   ☐ #6 oil ☐ waste oil ☐ kerosene ☐ jet fuel

   b. ☒ Debris:

   ☐ demolition ☒ vegetative ☐ inorganic

   c. ☒ Other(describe): <RC fill and native soil

4. Constituents of concern (check all that apply):

   ☒ As ☐ HVOCs
   ☒ Cd ☒ PATH
   ☒ Cr ☐ VOCs
   ☒ Pb ☒ PAHs
   ☒ Hg ☐ BNAs
   ☐ Na ☒ TPH
   ☐ PCBs ☒ Other(describe): <RCs fill and native soil

5. Analyses performed (check all that apply):

   ☒ As ☐ PATH
   ☒ Cd ☒ VOCs
   ☒ Cr ☒ PAHs
   ☒ Pb ☐ BNAs
   ☒ Hg ☒ TPH
   ☐ Na ☐ TCLP (inorganic)
   ☒ PCBs ☐ TCLP (organic)
   ☒ HVOCs ☒ Other(describe): pH, reactivity, conductivity, ignitability, herbicide, & pesticide

6. Screening performed:

   Jar Headspace
   Type

   Photoionization Detector (10.6 eV)
   Instrument used

   Volatile Organic Compounds (VOCs)
   Constituents

Massachusetts Department of Environmental Protection
Bureau of Air & Waste

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

F. Description of Material (cont.)

7. Estimated volume of materials:

26,000	44,200	
Cubic yards	Tons	Other(specify units)

8. Contaminant source (check one):

- ☐ transportation accident
- ☐ ust
- ☒ other(describe): Fill/Naturally Occuring Soils

9. Indicate which waste characterization support documentation is attached:

- ☒ site history information
- ☒ sampling and analytical methods/procedure
- ☒ laboratory data
- ☐ field screening data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to the facility.

G. Qualified Environmental Professional Opinion

"I have personally examined and am familiar with the information contained on and submitted with this form. Based on this information, it is my opinion that the testing and assessment actions undertaken were adequate to characterize the waste, and that the facility or location can accept wastes with the characteristics described in this submittal. I am aware that significant penalties including, but not limited to, possible fines and imprisonment may result if I willfully submit information which I know to be false, inaccurate, or materially incomplete."

Weston & Sampson Engineers, Inc
Name of Organization

Paul McKinlay
Name of Professional

Team Leader
Title

978-532-1900 Ext.

Signature

12/20/2022
Date (MM/DD/YYYY)

License Number[1]

Seal[2]:

[1]A license number is required for all Qualified Environmental Professional completing this form. A Qualified Environmental Professional is licensed or certified in a discipline related to environmental assessment (i.e., engineering, geology, soil science, or environmental science) by a state or recognized professional organization.

[2]A seal is **not** required for a **Licensed Site Professional** as defined in M.G.L. 21A, s. 19, holding a valid license issued by the Board of Registration of Hazardous Waste Site Cleanup Professionals pursuant to M.G.L. c. 21A, § 19 through 19J. A seal is required for all other Qualified Environmental Professionals as defined in 1 above.

Eversource Sudbury to Hudson A and B1 to Dudley 44,200 ton Profile 1574

Massachusetts Department of Environmental Protection
Bureau of Air & Waste

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

H. Certification of Generator

"I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information contained herein is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information."

Signature

11/03/2022
Date (MM/DD/YYYY)

Matthew Devlin
Name (Print)

I. Acknowledgment of Receipt by Receiving Facility

Receiving Facility

Representative (Print)

Title

Signature

Date (MM/DD/YYYY)

Massachusetts Department of Environmental Protection
Bureau of Air & Waste

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: _____

Signature of transporter | Receiving facility

Date received | Time received | Date of shipment | Time of shipment

Truck/Tractor registration | Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter | Receiving facility

Date received | Time received | Date of shipment | Time of shipment

Truck/Tractor registration | Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter | Receiving facility

Date received | Time received | Date of shipment | Time of shipment

Truck/Tractor registration | Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page _____ of _____

Massachusetts Department of Environmental Protection
Bureau of Air & Waste

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: _____

Signature of transporter | Receiving facility

Date received | Time received | Date of shipment | Time of shipment

Truck/Tractor registration | Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter | Receiving facility

Date received | Time received | Date of shipment | Time of shipment

Truck/Tractor registration | Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter | Receiving facility

Date received | Time received | Date of shipment | Time of shipment

Truck/Tractor registration | Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page _____ of _____

January 27, 2023

W.L. French Excavating Corporation
14 Sterling Road
North Billerica, MA 01862

Attention: Mr. Dan Walsh

Reference: WLF Profile Numbers T22-1481-1-M and T22-1481-1-B
Eversource Sudbury to Hudson Transmission Project
Sudbury and Hudson, MA
Consultant: Weston & Sampson Engineers, Inc.
Vanasse Hangen Brustlin, Inc.

This letter summarizes the acceptability of soils for use as daily cover/shaping material at the Former Mabardy Landfill located at 580 River Street in Winchendon, Massachusetts. McPhail Associates, LLC received a submittal on December 21, 2022 from W.L. French Excavating Corporation of North Billerica, Massachusetts requesting approval for the use of soil at the Former Mabardy Landfill in Winchendon, MA. A revised submittal, which included an updated opinion letter and summary table were received by McPhail Associates on January 16, 2023. A revised Herbicide/Pesticide Certification and Soil Re-Use Profile were received by McPhail Associates on January 26, 2023.

It is understood that the soil will be generated during installation of approximately 9 miles of underground electrical transmission line, and associated appurtenances. The transmission line is proposed for roadways within Sudbury and Hudson, MA, as well as an inactive MBTA railroad easement within Sudbury, Hudson, Marlborough, and Stow, MA. Based upon the information provided, the project will be completed between the Hudson Light and Power Department in Hudson, MA and the Sudbury Substation in Sudbury, MA.

Sampling of the material proposed to be re-used at the Former Mabardy Landfill was conducted by Vanasse Hangen Brustlin, Inc. of Watertown, MA. Based upon a Licensed Site Professional (L.S.P.) letter signed by Paul McKinlay, P.G., L.S.P. of Weston & Sampson Engineers, Inc., a volume of 1,500 cubic yards of material proposed for re-use at the Former Mabardy Landfill will be transported under a Material Shipping Record, and 1,500 cubic yards will be transported under a Bill of Lading associated with Release Tracking Number 2-22126.

The soil proposed for transport to the Former Mabardy Landfill is understood to be represented by samples: MP-2, MP-5 and MP-21 (Hudson Roadway) and MP-33, MP-34 and MP-36 (Sudbury Right of way). Further, it is understood that the soil proposed for transport to the Former Mabardy Landfill that is to be generated within the Hudson Roadway will be generated as part of a Utility Release Abatement Measure Plan.

McPhail Associates, LLC has reviewed the analytical data for the soil to be generated within the paved public roadway portion of the above referenced project in Hudson, MA and within the former MBTA right of way in Sudbury, MA. The submitted chemical test results include

analysis for pH, conductivity, reactive sulfide and cyanide, ignitability/flashpoint, Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), total MCP-14 metals, Total Petroleum Hydrocarbons, Herbicides, Pesticides, and Polychlorinated Biphenyls. The analysis was performed by Contest Analytical Laboratory of East Longmeadow, MA.

The Massachusetts Department of Environmental Protection (MADEP) has established allowable contaminant levels for contaminated soils re-use at unlined landfills. The MADEP Policy #COMM-97-001 presents these levels and related operational requirements. The analytical results for the soil represented by the submittal package were compared to the allowable concentrations as presented in Table 1 of the Materials Management Plan.

Further, the sample testing frequency has been conducted in accordance with Table 1 of the Winchendon Landfill Material Management Plan. For the analyses performed, the soil is within acceptable limits for use as daily cover/shaping material at the Former Mabardy Landfill.

Profile Number	Date	Approved Volume (CY)
T22-1481-1-M	01/27/2023	1,500
T22-1481-1-B	01/27/2023	1,500

If during the excavation of this material, conditions change which may affect the data submitted and reviewed as part of this approval, W.L. French Excavating Corporation must immediately notify McPhail Associates, LLC of the potential change in condition because McPhail Associates, LLC may require additional testing be performed at the site of generation to determine the continued acceptance of the soil at the Former Mabardy Landfill in Winchendon, MA.

In forming the opinion stated herein, McPhail Associates, LLC did not independently review or verify any of the information provided by Weston & Sampson Engineers, Inc. and Vanasse Hangen Brustlin, Inc., nor have we reviewed or relied on any communications of information other than that listed above. The opinion stated herein assumes that the Submittal is complete, accurate, and representative of the soil proposed for re-use at the Former Mabardy Landfill in Winchendon, MA.

Very truly yours,

McPHAIL ASSOCIATES, LLC

Peter J. DeChaves, L.S.P.

N:\Working Documents\Jobs\7114 Winchendon Landfill\Landfill Package Review\Approval Letters\January 2023\T22-1481-1-M_B Eversource Sudbury_Hudson_FML_Acceptance Letter 012723.docx

PJD/JGL

Massachusetts Department of Environmental Protection
Bureau of Air & Waste

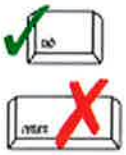
Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Tracking Number

A. Location Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Provide the following information on the location where the waste was generated:

Sudbury to Hudson Transmission Project
Release name (optional)

Former MBTA ROW - Sudbury, MA
Street

Inactive MBTA ROW
Location aid

Sudbury
City/Town

MA
State

Zip code

2. Date/Period of generation: 12/19/2022 From — 3/31/2023 To

3. U.S. EPA ID number:

4. 21E release: ☐ Yes ☒ No

5. List additional tracking documents associated with this document:

B. Generator Information

Important: This form is not to be used for the shipment of remediation wastes subject to management under section 310 CMR 40.0035 of the Massachusetts Contingency Plan nor is it to be used in lieu of a hazardous waste manifest for hazardous waste or recyclable materials subject to the Massachusetts Hazardous Waste Regulations 310 CMR 30.000.

1. Provide the following generator information:

Eversource Energy
Name of organization

Matthew Devlin
Contact name

Senior Environmental Specialist
Title

247 Station Drive
Street address

Westwood
City/Town

MA
State

02090
Zip code

781-441-8845
Telephone number(including extension)

C. Owner and/or Operator Information

1. If the owner and/or operator is different from the generator as indicated in Section B, provide the following information:

Check applicable: ☐ owner ☒ operator

See above
Name of organization

Contact name

Title

Street address

City/Town

State

Zip code

Telephone number

Ext.

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Bureau of Air & Waste

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Tracking Number

D. Transporter/Common Carrier Information

1. Provide the following information:

W.L. French Excavating Corp.
Transporter/Common carrier name

Hazardous waste license number (if applicable)

Licensing state (if applicable)

William French, Jr.
Contact person

President
Title

14 Sterling Road
Street

Billerica
City/Town

MA
State

01862
Zip code

9786632623
Telephone number

Ext.

E. Receiving Facility Information

1. Provide the following information on the receiving facility:

580 River Street, LLC / Former Mabardy Landfill
Operator/Facility name

Jarrett Everton
Contact person

Compliance Manager
Title

580 RIVER STREET
Street

WINCHENDON
City/Town

MA
State

01475
Zip code

9786002125
Telephone number

Ext.

2. Type of facility:

- ☐ asphalt batch/cold mix
- ☐ asphalt batch/hot mix
- ☐ landfill/disposal
- ☐ landfill/ daily cover
- ☐ thermal processing
- ☐ landfill/structural fill
- ☒ other(specify): Shaping & Grading/CAD Construction Soil

3. Permit number: X283688

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Tracking Number

F. Description of Material

Check all that apply:

1. a. ☒ soil ☐ dredge material ☒ fill

   b. Description: Sandy fill and native sand/silty sand with some debris (organics, asphalt, and wood)

   c. Classification: ☐ MIT ☒ USDA ☐ USAEC ☐ ASEE

2. ☐ Other(describe):

3. Type of contamination:

   a. ☐ gasoline ☐ diesel fuel ☐ #2 oil ☐ #4 oil
   ☐ #6 oil ☐ waste oil ☐ kerosene ☐ jet fuel

   b. ☒ Debris:

   ☐ demolition ☒ vegetative ☐ inorganic

   c. ☒ Other(describe): Historic fill from inactive RXR right-of-way

4. Constituents of concern (check all that apply):

☒ As	☐ HVOCs
☒ Cd	☒ PATH
☒ Cr	☐ VOCs
☒ Pb	☒ PAHs
☒ Hg	☐ BNAs
☐ Na	☒ TPH
☐ PCBs	☐ Other(describe):

5. Analyses performed (check all that apply):

☒ As	☐ PATH	
☒ Cd	☒ VOCs	
☒ Cr	☒ PAHs	
☒ Pb	☐ BNAs	
☒ Hg	☒ TPH	
☐ Na	☐ TCLP (inorganic)	
☒ PCBs	☐ TCLP (organic)	
☒ HVOCs	☒ Other(describe):	pH, reactivity, conductivity, ignitability, herbicide, & pesticide

6. Screening performed:

Jar Headspace
Type

Photoionization Detector (10.6 eV)
Instrument used

Volatile Organic Compounds (VOCs)
Constituents

Massachusetts Department of Environmental Protection
Bureau of Air & Waste

Material Shipping Record & Log

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Tracking Number

F. Description of Material (cont.)

7. Estimated volume of materials:

1,500	~2,600	
Cubic yards	Tons	Other(specify units)

8. Contaminant source (check one):

☐ transportation accident
☐ ust
☒ other(describe): Fill/Naturally Occuring Soils from RXR ROW

9. Indicate which waste characterization support documentation is attached:

☒ site history information
☒ sampling and analytical methods/procedure
☒ laboratory data
☐ field screening data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to the facility.

G. Qualified Environmental Professional Opinion

"I have personally examined and am familiar with the information contained on and submitted with this form. Based on this information, it is my opinion that the testing and assessment actions undertaken were adequate to characterize the waste, and that the facility or location can accept wastes with the characteristics described in this submittal. I am aware that significant penalties including, but not limited to, possible fines and imprisonment may result if I willfully submit information which I know to be false, inaccurate, or materially incomplete."

Weston & Sampson Engineers, Inc
Name of Organization

Paul McKinlay
Name of Professional

Team Leader
Title

978-532-1900
Ext.

Signature

12/20/22
Date (MM/DD/YYYY)

9145
License Number[1]

Seal[2]:

[1]A license number is required for all Qualified Environmental Professional completing this form. A Qualified Environmental Professional is licensed or certified in a discipline related to environmental assessment (i.e., engineering, geology, soil science, or environmental science) by a state or recognized professional organization.

[2]A seal is **not** required for a **Licensed Site Professional** as defined in M.G.L. 21A, s. 19, holding a valid license issued by the Board of Registration of Hazardous Waste Site Cleanup Professionals pursuant to M.G.L. c. 21A, § 19 through 19J. A seal is required for all other Qualified Environmental Professionals as defined in 1 above.

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Tracking Number

H. Certification of Generator

"I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information contained herein is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information."

Matthew Devlin

Signature

12/20/2022

Date (MM/DD/YYYY)

Matthew Devlin

Name (Print)

I. Acknowledgment of Receipt by Receiving Facility

Receiving Facility

Representative (Print)

Title

Signature

Date (MM/DD/YYYY)

Massachusetts Department of Environmental Protection
Bureau of Air & Waste

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Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: _____

Signature of transporter

Receiving facility

Date received | Time received

Date of shipment | Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received | Time received

Date of shipment | Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received | Time received

Date of shipment | Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page _____ of _____

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Bureau of Air & Waste

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Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received | Time received

Date of shipment | Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received | Time received

Date of shipment | Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page _____ of _____