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April 26, 2024

Randy Evans
Wellington Operating Company
1590 East County Rd 70
Wellington, CO 80549

Work Order: **HS24040401**

Laboratory Results for: **WPWT Facility**

Dear Randy Evans,

ALS Environmental received 12 sample(s) on Apr 03, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: TYLER.MONROE
Tyler Monroe

Client: Wellington Operating Company
Project: WPWT Facility
Work Order: HS24040401

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24040401-01	Well 20-3 South Wall @ 1'	Soil		11-Mar-2024 08:35	03-Apr-2024 09:50	☐
HS24040401-02	Well 20-3 West Wall @ 1'	Soil		11-Mar-2024 08:25	03-Apr-2024 09:50	☐
HS24040401-03	Well 20-3 North Wall @ 1'	Soil		11-Mar-2024 08:10	03-Apr-2024 09:50	☐
HS24040401-04	Well 20-3 East Wall @ 1'	Soil		11-Mar-2024 08:00	03-Apr-2024 09:50	☐
HS24040401-05	Well 20-3 Stockpile Pad East	Soil		11-Mar-2024 08:45	03-Apr-2024 09:50	☐
HS24040401-06	Well 20-3 Stockpile Pad West	Soil		11-Mar-2024 09:00	03-Apr-2024 09:50	☐
HS24040401-07	Well 9-9 Well Head @ 8'	Soil		11-Mar-2024 11:25	03-Apr-2024 09:50	☑
HS24040401-08	Well 9-9 WH Flowline	Soil		11-Mar-2024 11:30	03-Apr-2024 09:50	☑
HS24040401-09	Well 9-9 Stockpile	Soil		11-Mar-2024 11:45	03-Apr-2024 09:50	☑
HS24040401-10	Well 9-9 Flowline East End	Soil		11-Mar-2024 12:30	03-Apr-2024 09:50	☑
HS24040401-11	Well 9-9 Background @ 1'	Soil		11-Mar-2024 12:15	03-Apr-2024 09:50	☑
HS24040401-12	Well 9-9 Background @ 8'	Soil		11-Mar-2024 12:30	03-Apr-2024 09:50	☑

Client: Wellington Operating Company **CASE NARRATIVE**
Project: WPWT Facility
Work Order: HS24040401

GC Semivolatiles by Method SW8015M

Batch ID: 210082

Sample ID: Well 20-3 East Wall @ 1' (HS24040401-04)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 20-3 North Wall @ 1' (HS24040401-03)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 20-3 South Wall @ 1' (HS24040401-01)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 20-3 Stockpile Pad East (HS24040401-05)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 20-3 Stockpile Pad West (HS24040401-06)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 20-3 West Wall @ 1' (HS24040401-02)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 9-9 Background @ 1' (HS24040401-11)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 9-9 Background @ 8' (HS24040401-12)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 9-9 Flowline East End (HS24040401-10)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 9-9 Stockpile (HS24040401-09)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 9-9 Well Head @ 8' (HS24040401-07)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 9-9 WH Flowline (HS24040401-08)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

GC Volatiles by Method SW8015

Client: Wellington Operating Company **CASE NARRATIVE**
Project: WPWT Facility
Work Order: HS24040401

GC Volatiles by Method SW8015

Batch ID: R463586

Sample ID: Well 20-3 East Wall @ 1' (HS24040401-04)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- Surrogate failed QC control limits high. Sample is ND.

Sample ID: Well 20-3 North Wall @ 1' (HS24040401-03)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- Surrogate failed QC control limits high. Sample is ND.

Sample ID: Well 20-3 South Wall @ 1' (HS24040401-01)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 20-3 Stockpile Pad East (HS24040401-05)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- Surrogate failed QC control limits high. Sample is ND.

Sample ID: Well 20-3 Stockpile Pad West (HS24040401-06)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 20-3 West Wall @ 1' (HS24040401-02)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- Surrogate failed QC control limits high. Sample is ND.

Sample ID: Well 9-9 Background @ 1' (HS24040401-11)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- Surrogate failed QC control limits high. Sample is ND.

Sample ID: Well 9-9 Background @ 8' (HS24040401-12)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- Surrogate failed QC control limits high. Sample is ND.

Sample ID: Well 9-9 Flowline East End (HS24040401-10)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- Surrogate failed QC control limits high. Sample is ND.

Sample ID: Well 9-9 Stockpile (HS24040401-09)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Client: Wellington Operating Company **CASE NARRATIVE**
Project: WPWT Facility
Work Order: HS24040401

GC Volatiles by Method SW8015

Batch ID: R463586

- Surrogate failed QC control limits high. Sample is ND.

Sample ID: Well 9-9 Well Head @ 8' (HS24040401-07)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 9-9 WH Flowline (HS24040401-08)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

- Surrogate failed QC control limits high. Sample is ND.

GCMS Semivolatiles by Method SW8270

Client: Wellington Operating Company **CASE NARRATIVE**
Project: WPWT Facility
Work Order: HS24040401

GCMS Semivolatiles by Method SW8270

Batch ID: 210072

Sample ID: Well 20-3 East Wall @ 1' (HS24040401-04)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.
- The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: Well 20-3 North Wall @ 1' (HS24040401-03)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 20-3 South Wall @ 1' (HS24040401-01)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 20-3 Stockpile Pad East (HS24040401-05)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

Sample ID: Well 20-3 Stockpile Pad West (HS24040401-06)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 20-3 West Wall @ 1' (HS24040401-02)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

Sample ID: Well 9-9 Background @ 1' (HS24040401-11)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 9-9 Flowline East End (HS24040401-10)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Sample ID: Well 9-9 Stockpile (HS24040401-09)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

Sample ID: Well 9-9 Well Head @ 8' (HS24040401-07)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

Sample ID: Well 9-9 WH Flowline (HS24040401-08)

Client: Wellington Operating Company **CASE NARRATIVE**
Project: WPWT Facility
Work Order: HS24040401

GCMS Semivolatiles by Method SW8270

Batch ID: 210072

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.
- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

Sample ID: Well 9-9 Background @ 8' (HS24040401-12)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

Client: Wellington Operating Company
Project: WPWT Facility
Sample ID: Well 20-3 South Wall @ 1'
Collection Date: 11-Mar-2024 08:35

ANALYTICAL REPORT
WorkOrder:HS24040401
Lab ID:HS24040401-01
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
GASOLINE RANGE ORGANICS BY SW8015C		**Method:SW8015**					Analyst: TS
Gasoline Range Organics	U	H	0.0097	0.048	mg/Kg	1	10-Apr-2024 14:05
Surr: 4-Bromofluorobenzene	*100*			*70-123*	*%REC*	*1*	*10-Apr-2024 14:05*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3541 / 08-Apr-2024		Analyst: MBG
Acenaphthene	U	H	0.50	3.3	ug/Kg	1	08-Apr-2024 19:30
Acenaphthylene	U	H	0.99	3.3	ug/Kg	1	08-Apr-2024 19:30
Anthracene	**17**	H	**0.50**	**3.3**	**ug/Kg**	1	08-Apr-2024 19:30
Benz(a)anthracene	**11**	H	**1.6**	**3.3**	**ug/Kg**	1	08-Apr-2024 19:30
Benzo(a)pyrene	**1.9**	JH	**0.99**	**3.3**	**ug/Kg**	1	08-Apr-2024 19:30
Benzo(b)fluoranthene	**7.9**	H	**1.2**	**3.3**	**ug/Kg**	1	08-Apr-2024 19:30
Benzo(g,h,i)perylene	U	H	0.69	3.3	ug/Kg	1	08-Apr-2024 19:30
Benzo(k)fluoranthene	**3.2**	JH	**0.89**	**3.3**	**ug/Kg**	1	08-Apr-2024 19:30
Chrysene	**15**	H	**0.79**	**3.3**	**ug/Kg**	1	08-Apr-2024 19:30
Dibenz(a,h)anthracene	U	H	1.6	3.3	ug/Kg	1	08-Apr-2024 19:30
Fluoranthene	**100**	H	**1.1**	**3.3**	**ug/Kg**	1	08-Apr-2024 19:30
Fluorene	**5.4**	H	**1.1**	**3.3**	**ug/Kg**	1	08-Apr-2024 19:30
Indeno(1,2,3-cd)pyrene	U	H	0.79	3.3	ug/Kg	1	08-Apr-2024 19:30
Naphthalene	U	H	0.60	3.3	ug/Kg	1	08-Apr-2024 19:30
Phenanthrene	**130**	H	**1.5**	**3.3**	**ug/Kg**	1	08-Apr-2024 19:30
Pyrene	**58**	H	**0.60**	**3.3**	**ug/Kg**	1	08-Apr-2024 19:30
Surr: 2-Fluorobiphenyl	*98.4*			*43-125*	*%REC*	*1*	*08-Apr-2024 19:30*
Surr: 4-Terphenyl-d14	*104*			*32-125*	*%REC*	*1*	*08-Apr-2024 19:30*
Surr: Nitrobenzene-d5	*75.7*			*37-125*	*%REC*	*1*	*08-Apr-2024 19:30*
TPH DRO/ORO BY SW8015C		**Method:SW8015M**			Prep:SW3541 / 08-Apr-2024		Analyst: SAM
TPH (Oil Range)	**5.5**	H	**1.8**	**3.4**	**mg/Kg**	1	08-Apr-2024 13:54
TPH (Diesel Range)	**1.0**	JH	**0.99**	**1.7**	**mg/Kg**	1	08-Apr-2024 13:54
Surr: 2-Fluorobiphenyl	*74.6*			*60-129*	*%REC*	*1*	*08-Apr-2024 13:54*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Wellington Operating Company
Project: WPWT Facility
Sample ID: Well 20-3 West Wall @ 1'
Collection Date: 11-Mar-2024 08:25

ANALYTICAL REPORT
WorkOrder:HS24040401
Lab ID:HS24040401-02
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
GASOLINE RANGE ORGANICS BY SW8015C		**Method:SW8015**					Analyst: TS
Gasoline Range Organics	U	H	0.010	0.050	mg/Kg	1	10-Apr-2024 14:21
Surr: 4-Bromofluorobenzene	*142*	*S*		*70-123*	*%REC*	*1*	*10-Apr-2024 14:21*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3541 / 08-Apr-2024		Analyst: MBG
Acenaphthene	U	H	5.0	33	ug/Kg	10	08-Apr-2024 19:53
Acenaphthylene	U	H	10	33	ug/Kg	10	08-Apr-2024 19:53
Anthracene	**7.6**	JH	**5.0**	**33**	**ug/Kg**	10	08-Apr-2024 19:53
Benz(a)anthracene	U	H	16	33	ug/Kg	10	08-Apr-2024 19:53
Benzo(a)pyrene	U	H	10	33	ug/Kg	10	08-Apr-2024 19:53
Benzo(b)fluoranthene	U	H	12	33	ug/Kg	10	08-Apr-2024 19:53
Benzo(g,h,i)perylene	U	H	7.0	33	ug/Kg	10	08-Apr-2024 19:53
Benzo(k)fluoranthene	U	H	9.0	33	ug/Kg	10	08-Apr-2024 19:53
Chrysene	U	H	8.0	33	ug/Kg	10	08-Apr-2024 19:53
Dibenz(a,h)anthracene	U	H	16	33	ug/Kg	10	08-Apr-2024 19:53
Fluoranthene	**67**	H	**11**	**33**	**ug/Kg**	10	08-Apr-2024 19:53
Fluorene	U	H	11	33	ug/Kg	10	08-Apr-2024 19:53
Indeno(1,2,3-cd)pyrene	U	H	8.0	33	ug/Kg	10	08-Apr-2024 19:53
Naphthalene	U	H	6.0	33	ug/Kg	10	08-Apr-2024 19:53
Phenanthrene	**60**	H	**15**	**33**	**ug/Kg**	10	08-Apr-2024 19:53
Pyrene	**45**	H	**6.0**	**33**	**ug/Kg**	10	08-Apr-2024 19:53
Surr: 2-Fluorobiphenyl	*99.2*			*43-125*	*%REC*	*10*	*08-Apr-2024 19:53*
Surr: 4-Terphenyl-d14	*120*			*32-125*	*%REC*	*10*	*08-Apr-2024 19:53*
Surr: Nitrobenzene-d5	*81.3*			*37-125*	*%REC*	*10*	*08-Apr-2024 19:53*
TPH DRO/ORO BY SW8015C		**Method:SW8015M**			Prep:SW3541 / 08-Apr-2024		Analyst: SAM
TPH (Oil Range)	**500**	H	**35**	**67**	**mg/Kg**	20	09-Apr-2024 10:31
TPH (Diesel Range)	**70**	H	**20**	**33**	**mg/Kg**	20	09-Apr-2024 10:31
Surr: 2-Fluorobiphenyl	*85.4*			*60-129*	*%REC*	*20*	*09-Apr-2024 10:31*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Wellington Operating Company
Project: WPWT Facility
Sample ID: Well 20-3 North Wall @ 1'
Collection Date: 11-Mar-2024 08:10

ANALYTICAL REPORT
WorkOrder:HS24040401
Lab ID:HS24040401-03
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
GASOLINE RANGE ORGANICS BY SW8015C		**Method:SW8015**					Analyst: TS
Gasoline Range Organics	U	H	0.0096	0.048	mg/Kg	1	10-Apr-2024 14:36
Surr: 4-Bromofluorobenzene	*147*	*S*		*70-123*	*%REC*	*1*	*10-Apr-2024 14:36*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3541 / 08-Apr-2024		Analyst: MBG
Acenaphthene	U	H	0.50	3.3	ug/Kg	1	08-Apr-2024 20:17
Acenaphthylene	U	H	0.99	3.3	ug/Kg	1	08-Apr-2024 20:17
Anthracene	**2.9**	JH	**0.50**	**3.3**	**ug/Kg**	1	08-Apr-2024 20:17
Benz(a)anthracene	U	H	1.6	3.3	ug/Kg	1	08-Apr-2024 20:17
Benzo(a)pyrene	U	H	0.99	3.3	ug/Kg	1	08-Apr-2024 20:17
Benzo(b)fluoranthene	U	H	1.2	3.3	ug/Kg	1	08-Apr-2024 20:17
Benzo(g,h,i)perylene	U	H	0.70	3.3	ug/Kg	1	08-Apr-2024 20:17
Benzo(k)fluoranthene	U	H	0.90	3.3	ug/Kg	1	08-Apr-2024 20:17
Chrysene	U	H	0.80	3.3	ug/Kg	1	08-Apr-2024 20:17
Dibenz(a,h)anthracene	U	H	1.6	3.3	ug/Kg	1	08-Apr-2024 20:17
Fluoranthene	**16**	H	**1.1**	**3.3**	**ug/Kg**	1	08-Apr-2024 20:17
Fluorene	U	H	1.1	3.3	ug/Kg	1	08-Apr-2024 20:17
Indeno(1,2,3-cd)pyrene	U	H	0.80	3.3	ug/Kg	1	08-Apr-2024 20:17
Naphthalene	U	H	0.60	3.3	ug/Kg	1	08-Apr-2024 20:17
Phenanthrene	**17**	H	**1.5**	**3.3**	**ug/Kg**	1	08-Apr-2024 20:17
Pyrene	**11**	H	**0.60**	**3.3**	**ug/Kg**	1	08-Apr-2024 20:17
Surr: 2-Fluorobiphenyl	*92.6*			*43-125*	*%REC*	*1*	*08-Apr-2024 20:17*
Surr: 4-Terphenyl-d14	*117*			*32-125*	*%REC*	*1*	*08-Apr-2024 20:17*
Surr: Nitrobenzene-d5	*77.1*			*37-125*	*%REC*	*1*	*08-Apr-2024 20:17*
TPH DRO/ORO BY SW8015C		**Method:SW8015M**			Prep:SW3541 / 08-Apr-2024		Analyst: SAM
TPH (Oil Range)	**54**	H	**1.8**	**3.4**	**mg/Kg**	1	08-Apr-2024 14:18
TPH (Diesel Range)	**16**	H	**0.99**	**1.7**	**mg/Kg**	1	08-Apr-2024 14:18
Surr: 2-Fluorobiphenyl	*89.5*			*60-129*	*%REC*	*1*	*08-Apr-2024 14:18*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Wellington Operating Company
Project: WPWT Facility
Sample ID: Well 20-3 East Wall @ 1'
Collection Date: 11-Mar-2024 08:00

ANALYTICAL REPORT
WorkOrder:HS24040401
Lab ID:HS24040401-04
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
GASOLINE RANGE ORGANICS BY SW8015C		**Method:SW8015**					Analyst: TS
Gasoline Range Organics	U	H	0.0096	0.048	mg/Kg	1	10-Apr-2024 14:52
Surr: 4-Bromofluorobenzene	*141*	*S*		*70-123*	*%REC*	*1*	*10-Apr-2024 14:52*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3541 / 08-Apr-2024		Analyst: MBG
Acenaphthene	U	H	50	330	ug/Kg	100	08-Apr-2024 20:40
Acenaphthylene	U	H	100	330	ug/Kg	100	08-Apr-2024 20:40
Anthracene	U	H	50	330	ug/Kg	100	08-Apr-2024 20:40
Benz(a)anthracene	U	H	160	330	ug/Kg	100	08-Apr-2024 20:40
Benzo(a)pyrene	U	H	100	330	ug/Kg	100	08-Apr-2024 20:40
Benzo(b)fluoranthene	U	H	120	330	ug/Kg	100	08-Apr-2024 20:40
Benzo(g,h,i)perylene	U	H	70	330	ug/Kg	100	08-Apr-2024 20:40
Benzo(k)fluoranthene	U	H	90	330	ug/Kg	100	08-Apr-2024 20:40
Chrysene	U	H	80	330	ug/Kg	100	08-Apr-2024 20:40
Dibenz(a,h)anthracene	U	H	160	330	ug/Kg	100	08-Apr-2024 20:40
Fluoranthene	**200**	JH	**110**	**330**	**ug/Kg**	100	08-Apr-2024 20:40
Fluorene	U	H	110	330	ug/Kg	100	08-Apr-2024 20:40
Indeno(1,2,3-cd)pyrene	U	H	80	330	ug/Kg	100	08-Apr-2024 20:40
Naphthalene	U	H	60	330	ug/Kg	100	08-Apr-2024 20:40
Phenanthrene	**310**	JH	**150**	**330**	**ug/Kg**	100	08-Apr-2024 20:40
Pyrene	**110**	JH	**60**	**330**	**ug/Kg**	100	08-Apr-2024 20:40
Surr: 2-Fluorobiphenyl	*0*	*S*		*43-125*	*%REC*	*100*	*08-Apr-2024 20:40*
Surr: 4-Terphenyl-d14	*0*	*S*		*32-125*	*%REC*	*100*	*08-Apr-2024 20:40*
Surr: Nitrobenzene-d5	*0*	*S*		*37-125*	*%REC*	*100*	*08-Apr-2024 20:40*
TPH DRO/ORO BY SW8015C		**Method:SW8015M**			Prep:SW3541 / 08-Apr-2024		Analyst: SAM
TPH (Oil Range)	**580**	H	**36**	**68**	**mg/Kg**	20	09-Apr-2024 11:17
TPH (Diesel Range)	**90**	H	**20**	**34**	**mg/Kg**	20	09-Apr-2024 11:17
Surr: 2-Fluorobiphenyl	*103*			*60-129*	*%REC*	*20*	*09-Apr-2024 11:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Wellington Operating Company
Project: WPWT Facility
Sample ID: Well 20-3 Stockpile Pad East
Collection Date: 11-Mar-2024 08:45

ANALYTICAL REPORT
WorkOrder:HS24040401
Lab ID:HS24040401-05
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
GASOLINE RANGE ORGANICS BY SW8015C		**Method:SW8015**					Analyst: TS
Gasoline Range Organics	U	H	0.010	0.050	mg/Kg	1	10-Apr-2024 15:07
Surr: 4-Bromofluorobenzene	*135*	*S*		*70-123*	*%REC*	*1*	*10-Apr-2024 15:07*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3541 / 08-Apr-2024		Analyst: MBG
Acenaphthene	U	H	4.9	32	ug/Kg	10	08-Apr-2024 21:04
Acenaphthylene	U	H	9.8	32	ug/Kg	10	08-Apr-2024 21:04
Anthracene	U	H	4.9	32	ug/Kg	10	08-Apr-2024 21:04
Benz(a)anthracene	U	H	16	32	ug/Kg	10	08-Apr-2024 21:04
Benzo(a)pyrene	U	H	9.8	32	ug/Kg	10	08-Apr-2024 21:04
Benzo(b)fluoranthene	U	H	12	32	ug/Kg	10	08-Apr-2024 21:04
Benzo(g,h,i)perylene	U	H	6.9	32	ug/Kg	10	08-Apr-2024 21:04
Benzo(k)fluoranthene	U	H	8.9	32	ug/Kg	10	08-Apr-2024 21:04
Chrysene	U	H	7.9	32	ug/Kg	10	08-Apr-2024 21:04
Dibenz(a,h)anthracene	U	H	16	32	ug/Kg	10	08-Apr-2024 21:04
Fluoranthene	U	H	11	32	ug/Kg	10	08-Apr-2024 21:04
Fluorene	U	H	11	32	ug/Kg	10	08-Apr-2024 21:04
Indeno(1,2,3-cd)pyrene	U	H	7.9	32	ug/Kg	10	08-Apr-2024 21:04
Naphthalene	U	H	5.9	32	ug/Kg	10	08-Apr-2024 21:04
Phenanthrene	U	H	15	32	ug/Kg	10	08-Apr-2024 21:04
Pyrene	U	H	5.9	32	ug/Kg	10	08-Apr-2024 21:04
Surr: 2-Fluorobiphenyl	*89.7*			*43-125*	*%REC*	*10*	*08-Apr-2024 21:04*
Surr: 4-Terphenyl-d14	*101*			*32-125*	*%REC*	*10*	*08-Apr-2024 21:04*
Surr: Nitrobenzene-d5	*72.0*			*37-125*	*%REC*	*10*	*08-Apr-2024 21:04*
TPH DRO/ORO BY SW8015C		**Method:SW8015M**			Prep:SW3541 / 08-Apr-2024		Analyst: SAM
TPH (Oil Range)	**400**	H	**36**	**67**	**mg/Kg**	20	09-Apr-2024 11:41
TPH (Diesel Range)	**71**	H	**20**	**34**	**mg/Kg**	20	09-Apr-2024 11:41
Surr: 2-Fluorobiphenyl	*96.7*			*60-129*	*%REC*	*20*	*09-Apr-2024 11:41*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Wellington Operating Company
Project: WPWT Facility
Sample ID: Well 20-3 Stockpile Pad West
Collection Date: 11-Mar-2024 09:00

ANALYTICAL REPORT
WorkOrder:HS24040401
Lab ID:HS24040401-06
Matrix:Soil

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
GASOLINE RANGE ORGANICS BY SW8015C		**Method:SW8015**					Analyst: TS
Gasoline Range Organics	U	H	0.0098	0.049	mg/Kg	1	10-Apr-2024 15:23
Surr: 4-Bromofluorobenzene	*92.6*			*70-123*	*%REC*	*1*	*10-Apr-2024 15:23*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3541 / 08-Apr-2024		Analyst: MBG
Acenaphthene	U	H	0.49	3.3	ug/Kg	1	08-Apr-2024 21:28
Acenaphthylene	U	H	0.99	3.3	ug/Kg	1	08-Apr-2024 21:28
Anthracene	**10**	H	**0.49**	**3.3**	**ug/Kg**	1	08-Apr-2024 21:28
Benz(a)anthracene	**30**	H	**1.6**	**3.3**	**ug/Kg**	1	08-Apr-2024 21:28
Benzo(a)pyrene	**12**	H	**0.99**	**3.3**	**ug/Kg**	1	08-Apr-2024 21:28
Benzo(b)fluoranthene	**30**	H	**1.2**	**3.3**	**ug/Kg**	1	08-Apr-2024 21:28
Benzo(g,h,i)perylene	U	H	0.69	3.3	ug/Kg	1	08-Apr-2024 21:28
Benzo(k)fluoranthene	**8.7**	H	**0.89**	**3.3**	**ug/Kg**	1	08-Apr-2024 21:28
Chrysene	**50**	H	**0.79**	**3.3**	**ug/Kg**	1	08-Apr-2024 21:28
Dibenz(a,h)anthracene	U	H	1.6	3.3	ug/Kg	1	08-Apr-2024 21:28
Fluoranthene	**190**	H	**1.1**	**3.3**	**ug/Kg**	1	08-Apr-2024 21:28
Fluorene	U	H	1.1	3.3	ug/Kg	1	08-Apr-2024 21:28
Indeno(1,2,3-cd)pyrene	**3.8**	H	**0.79**	**3.3**	**ug/Kg**	1	08-Apr-2024 21:28
Naphthalene	U	H	0.59	3.3	ug/Kg	1	08-Apr-2024 21:28
Phenanthrene	**210**	H	**1.5**	**3.3**	**ug/Kg**	1	08-Apr-2024 21:28
Pyrene	**140**	H	**0.59**	**3.3**	**ug/Kg**	1	08-Apr-2024 21:28
Surr: 2-Fluorobiphenyl	*93.0*			*43-125*	*%REC*	*1*	*08-Apr-2024 21:28*
Surr: 4-Terphenyl-d14	*103*			*32-125*	*%REC*	*1*	*08-Apr-2024 21:28*
Surr: Nitrobenzene-d5	*79.9*			*37-125*	*%REC*	*1*	*08-Apr-2024 21:28*
TPH DRO/ORO BY SW8015C		**Method:SW8015M**			Prep:SW3541 / 08-Apr-2024		Analyst: SAM
TPH (Oil Range)	**11**	H	**1.8**	**3.4**	**mg/Kg**	1	09-Apr-2024 09:44
TPH (Diesel Range)	**3.0**	H	**1.0**	**1.7**	**mg/Kg**	1	09-Apr-2024 09:44
Surr: 2-Fluorobiphenyl	*89.0*			*60-129*	*%REC*	*1*	*09-Apr-2024 09:44*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: Wellington Operating Company
Project: WPWT Facility
WorkOrder: HS24040401

Batch ID: 7040 **Start Date:** 09 Apr 2024 15:56 **End Date:** 09 Apr 2024 15:56
Method: GASOLINE RANGE ORGANICS BY SW8015C **Prep Code:**

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24040401-01	1	5.136 (g)	5 (mL)	0.97	Bulk (5030B)
HS24040401-02	1	4.988 (g)	5 (mL)	1	Bulk (5030B)
HS24040401-03	1	5.214 (g)	5 (mL)	0.96	Bulk (5030B)
HS24040401-04	1	5.225 (g)	5 (mL)	0.96	Bulk (5030B)
HS24040401-05	1	4.975 (g)	5 (mL)	1.01	Bulk (5030B)
HS24040401-06	1	5.118 (g)	5 (mL)	0.98	Bulk (5030B)

Batch ID: 210072 **Start Date:** 08 Apr 2024 05:30 **End Date:** 08 Apr 2024 05:30
Method: SV SOXHLET EXTRACT-LOWLEVEL-SW3541 **Prep Code:** 3541_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24040401-01		30.22 (g)	1 (mL)	0.03309	8oz Amber Glass Jar
HS24040401-02		30.09 (g)	1 (mL)	0.03323	8oz Amber Glass Jar
HS24040401-03		30.16 (g)	1 (mL)	0.03316	8oz Amber Glass Jar
HS24040401-04		30.07 (g)	1 (mL)	0.03326	8oz Amber Glass Jar
HS24040401-05		30.48 (g)	1 (mL)	0.03281	8oz Amber Glass Jar
HS24040401-06		30.32 (g)	1 (mL)	0.03298	8oz Amber Glass Jar

Batch ID: 210082 **Start Date:** 08 Apr 2024 07:30 **End Date:** 08 Apr 2024 07:30
Method: SOPREP: 3541 TPH **Prep Code:** 8015SPR_LL

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24040401-01		30.41 (g)	1 (mL)	0.03288	8oz Amber Glass Jar
HS24040401-02		30.47 (g)	1 (mL)	0.03282	8oz Amber Glass Jar
HS24040401-03		30.16 (g)	1 (mL)	0.03316	8oz Amber Glass Jar
HS24040401-04		30.22 (g)	1 (mL)	0.03309	8oz Amber Glass Jar
HS24040401-05		30.35 (g)	1 (mL)	0.03295	8oz Amber Glass Jar
HS24040401-06		30.13 (g)	1 (mL)	0.03319	8oz Amber Glass Jar

Client: Wellington Operating Company
Project: WPWT Facility
WorkOrder: HS24040401

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 210072 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Soil	
HS24040401-01	Well 20-3 South Wall @ 1'	11 Mar 2024 08:35		08 Apr 2024 06:30	08 Apr 2024 19:30	1
HS24040401-02	Well 20-3 West Wall @ 1'	11 Mar 2024 08:25		08 Apr 2024 06:30	08 Apr 2024 19:53	10
HS24040401-03	Well 20-3 North Wall @ 1'	11 Mar 2024 08:10		08 Apr 2024 06:30	08 Apr 2024 20:17	1
HS24040401-04	Well 20-3 East Wall @ 1'	11 Mar 2024 08:00		08 Apr 2024 06:30	08 Apr 2024 20:40	100
HS24040401-05	Well 20-3 Stockpile Pad East	11 Mar 2024 08:45		08 Apr 2024 06:30	08 Apr 2024 21:04	10
HS24040401-06	Well 20-3 Stockpile Pad West	11 Mar 2024 09:00		08 Apr 2024 06:30	08 Apr 2024 21:28	1
Batch ID: 210082 (0)	**Test Name :** TPH DRO/ORO BY SW8015C				**Matrix:** Soil	
HS24040401-01	Well 20-3 South Wall @ 1'	11 Mar 2024 08:35		08 Apr 2024 08:30	08 Apr 2024 13:54	1
HS24040401-02	Well 20-3 West Wall @ 1'	11 Mar 2024 08:25		08 Apr 2024 08:30	09 Apr 2024 10:31	20
HS24040401-03	Well 20-3 North Wall @ 1'	11 Mar 2024 08:10		08 Apr 2024 08:30	08 Apr 2024 14:18	1
HS24040401-04	Well 20-3 East Wall @ 1'	11 Mar 2024 08:00		08 Apr 2024 08:30	09 Apr 2024 11:17	20
HS24040401-05	Well 20-3 Stockpile Pad East	11 Mar 2024 08:45		08 Apr 2024 08:30	09 Apr 2024 11:41	20
HS24040401-06	Well 20-3 Stockpile Pad West	11 Mar 2024 09:00		08 Apr 2024 08:30	09 Apr 2024 09:44	1
Batch ID: R463586 (0)	**Test Name :** GASOLINE RANGE ORGANICS BY SW8015C				**Matrix:** Soil	
HS24040401-01	Well 20-3 South Wall @ 1'	11 Mar 2024 08:35			10 Apr 2024 14:05	1
HS24040401-02	Well 20-3 West Wall @ 1'	11 Mar 2024 08:25			10 Apr 2024 14:21	1
HS24040401-03	Well 20-3 North Wall @ 1'	11 Mar 2024 08:10			10 Apr 2024 14:36	1
HS24040401-04	Well 20-3 East Wall @ 1'	11 Mar 2024 08:00			10 Apr 2024 14:52	1
HS24040401-05	Well 20-3 Stockpile Pad East	11 Mar 2024 08:45			10 Apr 2024 15:07	1
HS24040401-06	Well 20-3 Stockpile Pad West	11 Mar 2024 09:00			10 Apr 2024 15:23	1

Client: Wellington Operating Company
Project: WPWT Facility
WorkOrder: HS24040401

QC BATCH REPORT

Batch ID: 210082 (0) **Instrument: FID-22** **Method: TPH DRO/ORO BY SW8015C**

MBLK Sample ID: **MBLK-210082** Units: **mg/Kg** Analysis Date: **08-Apr-2024 15:28**
Client ID: Run ID: **FID-22_463563** SeqNo: **7938514** PrepDate: **08-Apr-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Oil Range)	U	3.4								
TPH (Diesel Range)	U	1.7								
Surr: 2-Fluorobiphenyl	*3.105*	*0.10*	*3.33*	*0*	*93.2*	*60 - 129*				

LCS Sample ID: **LCS-210082** Units: **mg/Kg** Analysis Date: **08-Apr-2024 15:04**
Client ID: Run ID: **FID-22_463563** SeqNo: **7938513** PrepDate: **08-Apr-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Oil Range)	27.28	3.4	33.33	0	81.9	70 - 130				
TPH (Diesel Range)	24.95	1.7	33.33	0	74.8	70 - 130				
Surr: 2-Fluorobiphenyl	*2.628*	*0.10*	*3.33*	*0*	*78.9*	*60 - 129*				

MS Sample ID: **HS24040401-12MS** Units: **mg/Kg** Analysis Date: **08-Apr-2024 16:46**
Client ID: **Well 9-9 Background @ 8'** Run ID: **FID-22_463563** SeqNo: **7938517** PrepDate: **08-Apr-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Oil Range)	33.53	3.4	33.16	5.635	84.1	70 - 130				
TPH (Diesel Range)	30.04	1.7	33.16	0.5744	88.8	70 - 130				
Surr: 2-Fluorobiphenyl	*3.056*	*0.10*	*3.313*	*0*	*92.2*	*60 - 129*				

MSD Sample ID: **HS24040401-12MSD** Units: **mg/Kg** Analysis Date: **08-Apr-2024 17:09**
Client ID: **Well 9-9 Background @ 8'** Run ID: **FID-22_463563** SeqNo: **7938518** PrepDate: **08-Apr-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Oil Range)	32.84	3.4	33.27	5.635	81.8	70 - 130	33.53	2.09	30	
TPH (Diesel Range)	29.68	1.7	33.27	0.5744	87.5	70 - 130	30.04	1.21	30	
Surr: 2-Fluorobiphenyl	*3.1*	*0.10*	*3.324*	*0*	*93.3*	*60 - 129*	*3.056*	*1.42*	*30*	

The following samples were analyzed in this batch: HS24040401-01 HS24040401-02 HS24040401-03 HS24040401-04 HS24040401-05 HS24040401-06

Client: Wellington Operating Company
Project: WPWT Facility
WorkOrder: HS24040401

QC BATCH REPORT

Batch ID: R463586 (0) **Instrument:** FID-20 **Method:** GASOLINE RANGE ORGANICS BY SW8015C

MBLK Sample ID: **MBLK-240409** Units: **mg/Kg** Analysis Date: **10-Apr-2024 11:07**
Client ID: Run ID: **FID-20_463586** SeqNo: **7938887** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	U	0.050								
Surr: 4-Bromofluorobenzene	*0.09812*	*0.0050*	*0.1*	*0*	*98.1*	*75 - 121*				

LCS Sample ID: **LCS-240409** Units: **mg/Kg** Analysis Date: **10-Apr-2024 10:36**
Client ID: Run ID: **FID-20_463586** SeqNo: **7938885** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.9577	0.050	1	0	95.8	72 - 121				
Surr: 4-Bromofluorobenzene	*0.1076*	*0.0050*	*0.1*	*0*	*108*	*75 - 121*				

LCSD Sample ID: **LCSD-240409** Units: **mg/Kg** Analysis Date: **10-Apr-2024 10:51**
Client ID: Run ID: **FID-20_463586** SeqNo: **7938886** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.8702	0.050	1	0	87.0	72 - 121	0.9577	9.58	30	
Surr: 4-Bromofluorobenzene	*0.1048*	*0.0050*	*0.1*	*0*	*105*	*75 - 121*	*0.1076*	*2.66*	*30*	

The following samples were analyzed in this batch: HS24040401-01 HS24040401-02 HS24040401-03 HS24040401-04 HS24040401-05 HS24040401-06

Client: Wellington Operating Company
Project: WPWT Facility
WorkOrder: HS24040401

QC BATCH REPORT

Batch ID: 210072 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-210072** Units: **ug/Kg** Analysis Date: **08-Apr-2024 15:34**
Client ID: Run ID: **SV-9_463475** SeqNo: **7936466** PrepDate: **08-Apr-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	U	3.3								
Acenaphthylene	U	3.3								
Anthracene	U	3.3								
Benz(a)anthracene	U	3.3								
Benzo(a)pyrene	U	3.3								
Benzo(b)fluoranthene	U	3.3								
Benzo(g,h,i)perylene	U	3.3								
Benzo(k)fluoranthene	U	3.3								
Chrysene	U	3.3								
Dibenz(a,h)anthracene	U	3.3								
Fluoranthene	U	3.3								
Fluorene	U	3.3								
Indeno(1,2,3-cd)pyrene	U	3.3								
Naphthalene	U	3.3								
Phenanthrene	U	3.3								
Pyrene	U	3.3								
Surr: 2-Fluorobiphenyl	*135*	*6.6*	*167*	*0*	*80.8*	*43 - 125*				
Surr: 4-Terphenyl-d14	*147.9*	*6.6*	*167*	*0*	*88.6*	*32 - 125*				
Surr: Nitrobenzene-d5	*113.5*	*6.6*	*167*	*0*	*68.0*	*37 - 125*				

Client: Wellington Operating Company
Project: WPWT Facility
WorkOrder: HS24040401

QC BATCH REPORT

Batch ID: 210072 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-210072** Units: **ug/Kg** Analysis Date: **08-Apr-2024 15:58**
Client ID: Run ID: **SV-9_463475** SeqNo: **7936467** PrepDate: **08-Apr-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	138.3	3.3	167	0	82.8	50 - 120				
Acenaphthylene	163.5	3.3	167	0	97.9	50 - 120				
Anthracene	158.5	3.3	167	0	94.9	50 - 123				
Benz(a)anthracene	162	3.3	167	0	97.0	40 - 140				
Benzo(a)pyrene	161.5	3.3	167	0	96.7	50 - 130				
Benzo(b)fluoranthene	166.8	3.3	167	0	99.9	50 - 137				
Benzo(g,h,i)perylene	150.3	3.3	167	0	90.0	50 - 130				
Benzo(k)fluoranthene	155.3	3.3	167	0	93.0	50 - 143				
Chrysene	157.9	3.3	167	0	94.6	50 - 130				
Dibenz(a,h)anthracene	157.4	3.3	167	0	94.3	50 - 130				
Fluoranthene	153.3	3.3	167	0	91.8	50 - 131				
Fluorene	159.2	3.3	167	0	95.3	50 - 125				
Indeno(1,2,3-cd)pyrene	162	3.3	167	0	97.0	45 - 139				
Naphthalene	156.1	3.3	167	0	93.5	50 - 125				
Phenanthrene	158.9	3.3	167	0	95.1	50 - 125				
Pyrene	142.4	3.3	167	0	85.3	45 - 130				
Surr: 2-Fluorobiphenyl	*159.6*	*6.6*	*167*	*0*	*95.6*	*43 - 125*				
Surr: 4-Terphenyl-d14	*169*	*6.6*	*167*	*0*	*101*	*32 - 125*				
Surr: Nitrobenzene-d5	*146.7*	*6.6*	*167*	*0*	*87.9*	*37 - 125*				

Client: Wellington Operating Company
Project: WPWT Facility
WorkOrder: HS24040401

QC BATCH REPORT

Batch ID: 210072 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MS Sample ID: **HS24040137-02MS** Units: **ug/Kg** Analysis Date: **08-Apr-2024 16:45**
Client ID: Run ID: **SV-9_463475** SeqNo: **7936469** PrepDate: **08-Apr-2024** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	121.8	33	164.5	0	74.0	50 - 120				
Acenaphthylene	147.9	33	164.5	0	89.9	50 - 120				
Anthracene	163.2	33	164.5	0	99.2	50 - 123				
Benz(a)anthracene	155.5	33	164.5	0	94.5	40 - 140				
Benzo(a)pyrene	152.7	33	164.5	0	92.8	50 - 130				
Benzo(b)fluoranthene	159	33	164.5	0	96.6	50 - 137				
Benzo(g,h,i)perylene	134.3	33	164.5	0	81.6	50 - 130				
Benzo(k)fluoranthene	146.4	33	164.5	0	89.0	50 - 143				
Chrysene	157.8	33	164.5	0	95.9	50 - 130				
Dibenz(a,h)anthracene	134.8	33	164.5	0	81.9	50 - 130				
Fluoranthene	165.7	33	164.5	0	101	50 - 131				
Fluorene	144.8	33	164.5	0	88.0	50 - 125				
Indeno(1,2,3-cd)pyrene	146.6	33	164.5	0	89.1	45 - 139				
Naphthalene	126.7	33	164.5	0	77.0	50 - 125				
Phenanthrene	157.7	33	164.5	0	95.8	50 - 125				
Pyrene	155.6	33	164.5	0	94.6	45 - 130				
Surr: 2-Fluorobiphenyl	*139*	*65*	*164.5*	*0*	*84.5*	*43 - 125*				
Surr: 4-Terphenyl-d14	*164.5*	*65*	*164.5*	*0*	*100.0*	*32 - 125*				
Surr: Nitrobenzene-d5	*113*	*65*	*164.5*	*0*	*68.7*	*37 - 125*				

Client: Wellington Operating Company
Project: WPWT Facility
WorkOrder: HS24040401

QC BATCH REPORT

Batch ID: 210072 (0) **Instrument: SV-9** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MSD Sample ID: **HS24040137-02MSD** Units: **ug/Kg** Analysis Date: **08-Apr-2024 17:08**
Client ID: Run ID: **SV-9_463475** SeqNo: **7936470** PrepDate: **08-Apr-2024** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	121.6	33	166.9	0	72.9	50 - 120	121.8	0.132	30	
Acenaphthylene	145.3	33	166.9	0	87.1	50 - 120	147.9	1.77	30	
Anthracene	166	33	166.9	0	99.5	50 - 123	163.2	1.72	30	
Benz(a)anthracene	157.4	33	166.9	0	94.3	40 - 140	155.5	1.23	30	
Benzo(a)pyrene	147.9	33	166.9	0	88.6	50 - 130	152.7	3.2	30	
Benzo(b)fluoranthene	155.7	33	166.9	0	93.3	50 - 137	159	2.1	30	
Benzo(g,h,i)perylene	140.3	33	166.9	0	84.0	50 - 130	134.3	4.32	30	
Benzo(k)fluoranthene	144.1	33	166.9	0	86.4	50 - 143	146.4	1.56	30	
Chrysene	152	33	166.9	0	91.1	50 - 130	157.8	3.73	30	
Dibenz(a,h)anthracene	137.2	33	166.9	0	82.2	50 - 130	134.8	1.8	30	
Fluoranthene	159.2	33	166.9	0	95.4	50 - 131	165.7	4.01	30	
Fluorene	142.1	33	166.9	0	85.2	50 - 125	144.8	1.86	30	
Indeno(1,2,3-cd)pyrene	149.8	33	166.9	0	89.8	45 - 139	146.6	2.18	30	
Naphthalene	122.4	33	166.9	0	73.4	50 - 125	126.7	3.4	30	
Phenanthrene	155.1	33	166.9	0	92.9	50 - 125	157.7	1.65	30	
Pyrene	154.4	33	166.9	0	92.5	45 - 130	155.6	0.756	30	
Surr: 2-Fluorobiphenyl	*137.2*	*66*	*166.9*	*0*	*82.2*	*43 - 125*	*139*	*1.26*	*30*	
Surr: 4-Terphenyl-d14	*163.4*	*66*	*166.9*	*0*	*97.9*	*32 - 125*	*164.5*	*0.656*	*30*	
Surr: Nitrobenzene-d5	*115.3*	*66*	*166.9*	*0*	*69.1*	*37 - 125*	*113*	*2.03*	*30*	

The following samples were analyzed in this batch: HS24040401-01 HS24040401-02 HS24040401-03 HS24040401-04 HS24040401-05 HS24040401-06

Client: Wellington Operating Company
Project: WPWT Facility
WorkOrder: **HS24040401**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
California	2919; 2024	30-Apr-2024
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231 TX-C24-00109	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS24040401 **Date/Time Received:** **03-Apr-2024 09:50**

Client Name: Wellington Operating Company **Received by:** **Paresh M. Giga**

Completed By:	/S/ Paresh M. Giga	05-Apr-2024 17:27	**Reviewed by:**	/S/ Tyler Monroe	07-Apr-2024 12:37
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Soil** Carrier name: **FedEx Priority Overnight**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:none
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☐	No ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.8C/1.9C U/C	IR31	
Cooler(s)/Kit(s):	Blue		
Date/Time sample(s) sent to storage:	4/5/24 18:40		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: All samples received out of hold.
Times differ : Well 20-3 Stockpile Pad West
COC01/00/1900. Label 09:00. Logged per label.

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

ALS Environmental

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

Form 202r8

WORKORDER #

		SAMPLER	Randy Evans	DATE	4/2/2024	PAGE	1 of 1		
PROJECT NAME	WPWT Facility	SITE ID		TURNAROUND		DISPOSAL	By Lab or Return to Client		
PROJECT No.		EDD FORMAT							
		PURCHASE ORDER	WOC-RE-143						
COMPANY NAME	Wellington Operating Company	BILL TO COMPANY	Wellington Operating Company						
SEND REPORT TO	Randy Evans	INVOICE ATTN TO	Eric Barslow						
ADDRESS	1590 East County Road 70	ADDRESS	15301 Dallas Pkwy; Suite 900						
CITY / STATE / ZIP	Wellington, CO 80549	CITY / STATE / ZIP	Addison, TX 75001						
PHONE	970-402-0418	PHONE	214-420-3000						
FAX	214-420-3001	FAX	214-420-3001						
E-MAIL	rgrevans477@gmail.com	E-MAIL	AP@Kingoperating.com						

HS24040401
Wellington Operating Company
WPWT Facility

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	8015; C 6 Through C 36	8270; PAH
	Well 20-3 South Wall @ 1'	S	3/11/2024	8:35	1	8		X	X
	Well 20-3 West Wall @ 1'	S	3/11/2024	8:25	1	8		X	X
	Well 20-3 North Wall @ 1'	S	3/11/2024	8:10	1	8		X	X
	Well 20-3 East Wall @ 1'	S	3/11/2024	8:00	1	8		X	X
	Well 20-3 Stockpile Pad East	S	3/11/2024	8:45	1	8		X	X
	Well 20-3 Stockpile Pad West	S	3/11/2024	01/00/1900	1	8		X	X

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

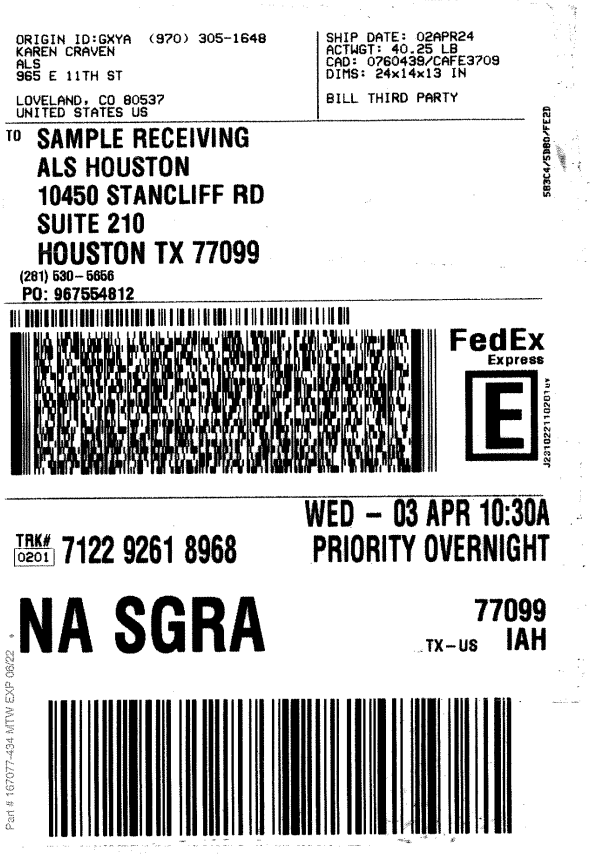
For metals or anions, please detail analytes below.

Comments:

QC PACKAGE (check below)	
	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	[signature]	Randy Evans	4/2/2024	1320
RECEIVED BY	Karen Craven	Karen Craven	4-2-24	1320
RELINQUISHED BY	Karen Craven	Karen Craven	4-2-24	1600
RECEIVED BY	[signature]	[illegible]	4/3/24	08:50
RELINQUISHED BY				
RECEIVED BY				

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035


ORIGIN ID:GXYA (970) 305-1648
KAREN CRAVEN
ALS
965 E 11TH ST
LOVELAND, CO 80537
UNITED STATES US
SHIP DATE: 02APR24
ACTWGT: 40.25 LB
CAD: 0760438/CAFE3709
DIMS: 24x14x13 IN
BILL THIRD PARTY
TO SAMPLE RECEIVING
ALS HOUSTON
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
PO: 967554812
FedEx
Express
TRK# 0201 7122 9261 8968
WED - 03 APR 10:30A
PRIORITY OVERNIGHT
NA SGRA
77099
TX-US IAH
Part # 167077-434 MTW EXP 06/22