

Wickham, Jerry, Env. Health

From: Nicholas Roy [nroy@ninyoandmoore.com]
Sent: Friday, January 21, 2011 11:32 AM
To: Wickham, Jerry, Env. Health
Subject: RE: Holland Park Hayward, Soil Lab Analytical Results
Attachments: lab analytical 1-21-11.pdf

Jerry,

Please see the attached lab report for the SVOC analysis. The only exceedence I saw was B(a)P for Table A Residential.

Thanks

Nicholas S. Roy
Senior Staff Environmental Scientist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612
(510) 633-5640 (x5230)
nroy@ninyoandmoore.com

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-----Original Message-----

From: Wickham, Jerry, Env. Health [<mailto:jerry.wickham@acgov.org>]
Sent: Wednesday, January 19, 2011 2:26 PM
To: Nicholas Roy
Subject: RE: Holland Park Hayward, Soil Lab Analytical Results

Nicholas,

The letter left open a couple questions:

- 1) What types of projects generated the fill at the school district sites? Please have the construction company provide confirmation that none of the soil was generated as part of any site cleanup or was taken from a site under investigation for contamination issues.
- 2) Does the fill material contain any construction debris, concrete, or asphalt?

Were the samples submitted for analysis collected as discrete samples or were they composite samples?

Lastly, I request that the samples also be analyzed for polycyclic aromatic hydrocarbons using EPA Method 8270 in selective ion monitoring mode.

Regards,
Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
phone: 510-567-6791
jerry.wickham@acgov.org

From: Nicholas Roy [<mailto:nroy@ninyoandmoore.com>]
Sent: Wednesday, January 19, 2011 11:42 AM

To: Wickham, Jerry, Env. Health
Subject: RE: Holland Park Hayward, Soil Lab Analytical Results

Jerry,

The contractor indicated the soil is coming from a construction company stockpile yard in Newark (37521 Willow Ave, DryCo Construction Inc) and the source of that soil is from various school sites in the Fremont and New Haven Unified School Districts. They provided a letter from DryCo that I attached to this email. Please let me know if this will be suitable.

Thanks

Senior Staff Environmental Scientist
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(510) 633-5640 (x5230)
nroy@ninyoandmoore.com

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-----Original Message-----

From: Wickham, Jerry, Env. Health [<mailto:jerry.wickham@acgov.org>]
Sent: Wednesday, January 19, 2011 8:57 AM
To: Nicholas Roy
Cc: sims@haywardrec.org; Larry Lepore
Subject: RE: Holland Park Hayward, Soil Lab Analytical Results

Nicholas,

What is the fill source (type of land use) and can you document the fill is from a site that would not be considered "undesirable," as described in the DTSC "Clean Imported Fill Guidance?"

Regards,
Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
phone: 510-567-6791
jerry.wickham@acgov.org

From: Nicholas Roy [<mailto:nroy@ninyoandmoore.com>]
Sent: Wednesday, January 19, 2011 8:33 AM
To: Wickham, Jerry, Env. Health
Cc: sims@haywardrec.org; Larry Lepore
Subject: Holland Park Hayward, Soil Lab Analytical Results

Hello Jerry,

Kris is out of the office and I'm handling this project at the moment. I've attached the laboratory analytical results for the soil HARD would like to import for the top 1' backfill. I collected two samples (1 sample/250 cubic yards) per the DTSC guidelines. The results are all below RWQCB Table A ESLs. Do we have authorization to use this material for the backfill? Please call me with any questions you may have. My cell is 510-455-1087 if I'm not in the office.

Thanks

Nicholas S. Roy
Senior Staff Environmental Scientist

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612
(510) 633-5640 (x5230)
nroy@ninyoandmoore.com

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CLIENT: Ninyo & Moore
Project: Holland Park, 401314006
Lab Order: 115803

CASE NARRATIVE

Analytical Comments for EPA 8270C

Samples 115803-001A and 115803-002A, dilution was necessary due to black extract.



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 21-Jan-11

CLIENT: Ninyo & Moore
Lab Order: 115803
Project: Holland Park, 401314006
Lab ID: 115803-001A

Client Sample ID: Import 1
Collection Date: 1/12/2011 2:00:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM

EPA 3550B

EPA 8270C

RunID:	MS6_110120A	QC Batch:	69878	PrepDate:	1/20/2011	Analyst:	DMP
Acenaphthene	ND	25	µg/Kg	5	1/20/2011 02:18 PM		
Acenaphthylene	ND	25	µg/Kg	5	1/20/2011 02:18 PM		
Anthracene	ND	25	µg/Kg	5	1/20/2011 02:18 PM		
Benzo(a)anthracene	35	25	µg/Kg	5	1/20/2011 02:18 PM		
Benzo(a)pyrene	36	25	µg/Kg	5	1/20/2011 02:18 PM		
Benzo(b)fluoranthene	48	25	µg/Kg	5	1/20/2011 02:18 PM		
Benzo(g,h,i)perylene	30	25	µg/Kg	5	1/20/2011 02:18 PM		
Benzo(k)fluoranthene	ND	25	µg/Kg	5	1/20/2011 02:18 PM		
Chrysene	43	25	µg/Kg	5	1/20/2011 02:18 PM		
Dibenz(a,h)anthracene	ND	25	µg/Kg	5	1/20/2011 02:18 PM		
Fluoranthene	58	25	µg/Kg	5	1/20/2011 02:18 PM		
Fluorene	ND	25	µg/Kg	5	1/20/2011 02:18 PM		
Indeno(1,2,3-cd)pyrene	ND	25	µg/Kg	5	1/20/2011 02:18 PM		
Naphthalene	ND	25	µg/Kg	5	1/20/2011 02:18 PM		
Phenanthrene	34	25	µg/Kg	5	1/20/2011 02:18 PM		
Pyrene	57	25	µg/Kg	5	1/20/2011 02:18 PM		
Surr: 1,2-Dichlorobenzene-d4	68.1	33-121	%REC	5	1/20/2011 02:18 PM		
Surr: 2-Fluorobiphenyl	92.6	41-128	%REC	5	1/20/2011 02:18 PM		
Surr: 4-Terphenyl-d14	100	54-154	%REC	5	1/20/2011 02:18 PM		
Surr: Nitrobenzene-d5	58.1	39-113	%REC	5	1/20/2011 02:18 PM		

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

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ANALYTICAL RESULTS

Print Date: 21-Jan-11

CLIENT: Ninyo & Moore
Lab Order: 115803
Project: Holland Park, 401314006
Lab ID: 115803-002A

Client Sample ID: Import 2
Collection Date: 1/12/2011 2:05:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM

EPA 3550B

EPA 8270C

RunID:	MS6_110120A	QC Batch:	69878	PrepDate:	1/20/2011	Analyst:	DMP
Acenaphthene	ND	25	µg/Kg	5	1/20/2011 02:46 PM		
Acenaphthylene	ND	25	µg/Kg	5	1/20/2011 02:46 PM		
Anthracene	ND	25	µg/Kg	5	1/20/2011 02:46 PM		
Benzo(a)anthracene	36	25	µg/Kg	5	1/20/2011 02:46 PM		
Benzo(a)pyrene	45	25	µg/Kg	5	1/20/2011 02:46 PM		
Benzo(b)fluoranthene	74	25	µg/Kg	5	1/20/2011 02:46 PM		
Benzo(g,h,i)perylene	34	25	µg/Kg	5	1/20/2011 02:46 PM		
Benzo(k)fluoranthene	ND	25	µg/Kg	5	1/20/2011 02:46 PM		
Chrysene	49	25	µg/Kg	5	1/20/2011 02:46 PM		
Dibenz(a,h)anthracene	ND	25	µg/Kg	5	1/20/2011 02:46 PM		
Fluoranthene	51	25	µg/Kg	5	1/20/2011 02:46 PM		
Fluorene	ND	25	µg/Kg	5	1/20/2011 02:46 PM		
Indeno(1,2,3-cd)pyrene	ND	25	µg/Kg	5	1/20/2011 02:46 PM		
Naphthalene	ND	25	µg/Kg	5	1/20/2011 02:46 PM		
Phenanthrene	26	25	µg/Kg	5	1/20/2011 02:46 PM		
Pyrene	50	25	µg/Kg	5	1/20/2011 02:46 PM		
Surr: 1,2-Dichlorobenzene-d4	67.7	33-121	%REC	5	1/20/2011 02:46 PM		
Surr: 2-Fluorobiphenyl	90.9	41-128	%REC	5	1/20/2011 02:46 PM		
Surr: 4-Terphenyl-d14	101	54-154	%REC	5	1/20/2011 02:46 PM		
Surr: Nitrobenzene-d5	62.0	39-113	%REC	5	1/20/2011 02:46 PM		

Qualifiers: B Analyte detected in the associated Method Blank
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S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 115803
Project: Holland Park, 401314006

ANALYTICAL QC SUMMARY REPORT

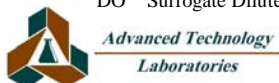
TestCode: 8270_S_SIM

Sample ID: MB-69878	SampType: MBLK	TestCode: 8270_S_SIM	Units: µg/Kg	Prep Date: 1/20/2011	RunNo: 129022						
Client ID: PBS	Batch ID: 69878	TestNo: EPA 8270C EPA 3550B		Analysis Date: 1/20/2011	SeqNo: 2091454						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	5.0									
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	24.915		33.33		74.8	33	121				
Surr: 2-Fluorobiphenyl	30.501		33.33		91.5	41	128				
Surr: 4-Terphenyl-d14	35.572		33.33		107	54	154				
Surr: Nitrobenzene-d5	22.179		33.33		66.5	39	113				

Sample ID: LCS-69878	SampType: LCS	TestCode: 8270_S_SIM	Units: µg/Kg	Prep Date: 1/20/2011	RunNo: 129022						
Client ID: LCSS	Batch ID: 69878	TestNo: EPA 8270C EPA 3550B		Analysis Date: 1/20/2011	SeqNo: 2091455						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	24.063	5.0	33.33	0	72.2	48	103				
Phenanthrene	27.029	5.0	33.33	0	81.1	56	110				
Pyrene	25.712	5.0	33.33	0	77.1	62	110				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values



CLIENT: Ninyo & Moore
Work Order: 115803
Project: Holland Park, 401314006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_SIM

Sample ID: LCS-69878	SampType: LCS	TestCode: 8270_S_SIM	Units: µg/Kg	Prep Date: 1/20/2011	RunNo: 129022						
Client ID: LCSS	Batch ID: 69878	TestNo: EPA 8270C EPA 3550B		Analysis Date: 1/20/2011	SeqNo: 2091455						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	21.222		33.33		63.7	33	121				
Surr: 2-Fluorobiphenyl	25.739		33.33		77.2	41	128				
Surr: 4-Terphenyl-d14	31.878		33.33		95.6	54	154				
Surr: Nitrobenzene-d5	19.255		33.33		57.8	39	113				

Sample ID: MB-69878MS	SampType: MS	TestCode: 8270_S_SIM	Units: µg/Kg	Prep Date: 1/20/2011	RunNo: 129022						
Client ID: ZZZZZ	Batch ID: 69878	TestNo: EPA 8270C EPA 3550B		Analysis Date: 1/20/2011	SeqNo: 2091456						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	27.632	5.0	33.33	0	82.9	52	133				
Phenanthrene	29.905	5.0	33.33	0	89.7	32	181				
Pyrene	26.633	5.0	33.33	0	79.9	46	157				
Surr: 1,2-Dichlorobenzene-d4	24.354		33.33		73.1	33	121				
Surr: 2-Fluorobiphenyl	29.745		33.33		89.2	41	128				
Surr: 4-Terphenyl-d14	32.588		33.33		97.8	54	154				
Surr: Nitrobenzene-d5	21.857		33.33		65.6	39	113				

Sample ID: MB-69878MSD	SampType: MSD	TestCode: 8270_S_SIM	Units: µg/Kg	Prep Date: 1/20/2011	RunNo: 129022						
Client ID: ZZZZZ	Batch ID: 69878	TestNo: EPA 8270C EPA 3550B		Analysis Date: 1/20/2011	SeqNo: 2091457						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	27.015	5.0	33.33	0	81.1	52	133	27.63	2.26	20	
Phenanthrene	29.975	5.0	33.33	0	89.9	32	181	29.90	0.233	20	
Pyrene	28.458	5.0	33.33	0	85.4	46	157	26.63	6.62	20	
Surr: 1,2-Dichlorobenzene-d4	23.794		33.33		71.4	33	121		0		
Surr: 2-Fluorobiphenyl	28.458		33.33		85.4	41	128		0		
Surr: 4-Terphenyl-d14	33.777		33.33		101	54	154		0		
Surr: Nitrobenzene-d5	21.482		33.33		64.5	39	113		0		

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

