



Sample Receipt Checklist

Weck WKO: **3J20123**
 WKO Logged by: Lester Abad
 Samples Checked by: Lester Abad

Date/Time Received: 10/20/23 @ 15:00
 # of Samples: 03
 Delivered by: Client

	Task	Yes	No	N/A	Comments
COC	COC present at receipt?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	COC properly completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	COC matches sample labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Project Manager notified about COC discrepancy?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Receipt Information	Sample Temperature			1°C	
	Samples received on ice?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Ice Type (Blue/Wet)			WET	
	All samples intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Samples in proper containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Sufficient sample volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Samples intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Project Manager notified about receipt info?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Sample Preservation Verification?	Sample labels checked for correct preservation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	VOC Headspace: (No) none, If Yes (see comment) 524.2, 524.3, 624.1, 8260, 1666 P/T, LUFT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <6mm/Pea Size?
	pH verified upon receipt?				pH paper Lot#
	Metals <2; H2SO4 pres tests <2; 522<4; TOC <2; 508.1, 525.2<2, 6710B<2, 608.3 5-9	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Free Chlorine Tested <0.1 (Organics Analyses)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cl Test Strip Lot#
	O&G pH <2 verified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	pH paper Lot#
	pH adjusted for O&G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	pH Reading: Acid Lot# Amt added:
Project Manager notified about sample preservation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

PM Comments

Sample Receipt Checklist Completed by:

Signature: Lester Abad

Date: 10/20/23

Work Orders: 3J20123

Report Date: 10/29/2023

Project: Chiquita Canyon Landfill

Received Date: 10/20/2023

Turnaround Time: Normal

Phones: (818) 652-9262

Fax:

Attn: Paul Chang

P.O. #:

Client: Chang Environmental
23890 Copper Hill Drive #226
Valencia, CA 91354

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Paul Chang,

Enclosed are the results of analyses for samples received 10/20/23 with the Chain-of-Custody document. The samples were received in good condition, at 1.0 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Kim G. Tu
Project Manager



Chang Environmental
 23890 Copper Hill Drive #226
 Valencia, CA 91354

Project Number: Chiquita Canyon Landfill

Reported:
 10/29/2023 21:25

Project Manager: Paul Chang

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
WSS	Paul Chang	3J20123-01	Water	10/20/23 10:20	
WSPC	Paul Chang	3J20123-02	Water	10/20/23 10:40	
PCC8	Paul Chang	3J20123-03	Water	10/20/23 11:07	

Chang Environmental
23890 Copper Hill Drive #226
Valencia, CA 91354

Project Number: Chiquita Canyon Landfill

Reported:
10/29/2023 21:25

Project Manager: Paul Chang

Sample Results

Sample: WSS

Sampled: 10/20/23 10:20 by Paul Chang

3J20123-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS							
Method: EPA 624.1			Instr: GCMS21				
Batch ID: W3J1840		Preparation: EPA 5030B			Prepared: 10/22/23 12:10		Analyst: cam
1,1,1-Trichloroethane	ND	31	100	ug/l	100	10/22/23	M-05
1,1,2,2-Tetrachloroethane	ND	38	100	ug/l	100	10/22/23	M-05
1,1,2-Trichloroethane	ND	42	100	ug/l	100	10/22/23	M-05
1,1-Dichloroethane	ND	32	100	ug/l	100	10/22/23	M-05
1,1-Dichloroethene	ND	32	100	ug/l	100	10/22/23	M-05
1,2-Dichloroethane	ND	54	100	ug/l	100	10/22/23	M-05
1,2-Dichloropropane	ND	42	100	ug/l	100	10/22/23	M-05
1,3-Dichloropropene, Total	ND		100	ug/l	100	10/22/23	
2-Chloroethyl vinyl ether	ND	19	500	ug/l	100	10/22/23	M-05
Acrolein	ND	120	500	ug/l	100	10/22/23	M-05
Acrylonitrile	ND	63	200	ug/l	100	10/22/23	M-05
Benzene	ND	47	100	ug/l	100	10/22/23	M-05
Bromodichloromethane	ND	44	100	ug/l	100	10/22/23	M-05
Bromoform	ND	27	100	ug/l	100	10/22/23	M-05
Bromomethane	ND	50	100	ug/l	100	10/22/23	M-05
Carbon tetrachloride	ND	28	100	ug/l	100	10/22/23	M-05
Chlorobenzene	ND	35	100	ug/l	100	10/22/23	M-05
Chloroethane	ND	38	100	ug/l	100	10/22/23	M-05
Chloroform	ND	29	100	ug/l	100	10/22/23	M-05
Chloromethane	ND	29	100	ug/l	100	10/22/23	M-05
cis-1,3-Dichloropropene	ND	36	100	ug/l	100	10/22/23	M-05
Dibromochloromethane	ND	35	100	ug/l	100	10/22/23	M-05
Dichlorodifluoromethane (Freon 12)	ND	30	100	ug/l	100	10/22/23	M-05
Ethylbenzene	ND	41	100	ug/l	100	10/22/23	M-05
m,p-Xylene	ND	29	100	ug/l	100	10/22/23	M-05
m-Dichlorobenzene	ND	39	100	ug/l	100	10/22/23	M-05
Methyl tert-butyl ether (MTBE)	ND	40	100	ug/l	100	10/22/23	M-05
Methylene chloride	ND	39	100	ug/l	100	10/22/23	M-05
o-Dichlorobenzene	ND	35	100	ug/l	100	10/22/23	M-05
o-Xylene	ND	29	100	ug/l	100	10/22/23	M-05
p-Dichlorobenzene	ND	42	100	ug/l	100	10/22/23	M-05
Tetrachloroethene	ND	34	100	ug/l	100	10/22/23	M-05
Toluene	ND	36	100	ug/l	100	10/22/23	M-05
trans-1,2-Dichloroethene	ND	27	100	ug/l	100	10/22/23	M-05
trans-1,3-Dichloropropene	ND	33	100	ug/l	100	10/22/23	M-05

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Project Number: Chiquita Canyon Landfill

Reported:
10/29/2023 21:25

Project Manager: Paul Chang

Sample Results

(Continued)

Sample: WSS
3J20123-01 (Water) Sampled: 10/20/23 10:20 by Paul Chang
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)							
Method: EPA 624.1			Instr: GCMS21				
Batch ID: W3J1840		Preparation: EPA 5030B			Prepared: 10/22/23 12:10		Analyst: cam
Trichloroethene	ND	34	100	ug/l	100	10/22/23	M-05
Trichlorofluoromethane	ND	43	100	ug/l	100	10/22/23	M-05
Vinyl chloride	ND	31	100	ug/l	100	10/22/23	M-05
<i>Surrogate(s)</i>							
1,2-Dichloroethane-d4	107%	Conc: 53.7	82-125			10/22/23	
4-Bromofluorobenzene	105%	Conc: 52.5	88-108			10/22/23	
Toluene-d8	113%	Conc: 56.4	92-112			10/22/23	S-11

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Project Number: Chiquita Canyon Landfill

Reported:
10/29/2023 21:25

Project Manager: Paul Chang

Sample Results

(Continued)

Sample: WSPC
3J20123-02 (Water) Sampled: 10/20/23 10:40 by Paul Chang

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS							
Method: EPA 624.1			Instr: GCMS21				
Batch ID: W3J1840		Preparation: EPA 5030B		Prepared: 10/22/23 12:10			Analyst: cam
1,1,1-Trichloroethane	ND	31	100	ug/l	100	10/22/23	M-05
1,1,2,2-Tetrachloroethane	ND	38	100	ug/l	100	10/22/23	M-05
1,1,2-Trichloroethane	ND	42	100	ug/l	100	10/22/23	M-05
1,1-Dichloroethane	ND	32	100	ug/l	100	10/22/23	M-05
1,1-Dichloroethene	ND	32	100	ug/l	100	10/22/23	M-05
1,2-Dichloroethane	ND	54	100	ug/l	100	10/22/23	M-05
1,2-Dichloropropane	ND	42	100	ug/l	100	10/22/23	M-05
1,3-Dichloropropene, Total	ND		100	ug/l	100	10/22/23	
2-Chloroethyl vinyl ether	ND	19	500	ug/l	100	10/22/23	M-05
Acrolein	ND	120	500	ug/l	100	10/22/23	M-05
Acrylonitrile	ND	63	200	ug/l	100	10/22/23	M-05
Benzene	ND	47	100	ug/l	100	10/22/23	M-05
Bromodichloromethane	ND	44	100	ug/l	100	10/22/23	M-05
Bromoform	ND	27	100	ug/l	100	10/22/23	M-05
Bromomethane	ND	50	100	ug/l	100	10/22/23	M-05
Carbon tetrachloride	ND	28	100	ug/l	100	10/22/23	M-05
Chlorobenzene	ND	35	100	ug/l	100	10/22/23	M-05
Chloroethane	ND	38	100	ug/l	100	10/22/23	M-05
Chloroform	ND	29	100	ug/l	100	10/22/23	M-05
Chloromethane	ND	29	100	ug/l	100	10/22/23	M-05
cis-1,3-Dichloropropene	ND	36	100	ug/l	100	10/22/23	M-05
Dibromochloromethane	ND	35	100	ug/l	100	10/22/23	M-05
Dichlorodifluoromethane (Freon 12)	ND	30	100	ug/l	100	10/22/23	M-05
Ethylbenzene	ND	41	100	ug/l	100	10/22/23	M-05
m,p-Xylene	ND	29	100	ug/l	100	10/22/23	M-05
m-Dichlorobenzene	ND	39	100	ug/l	100	10/22/23	M-05
Methyl tert-butyl ether (MTBE)	ND	40	100	ug/l	100	10/22/23	M-05
Methylene chloride	ND	39	100	ug/l	100	10/22/23	M-05
o-Dichlorobenzene	ND	35	100	ug/l	100	10/22/23	M-05
o-Xylene	ND	29	100	ug/l	100	10/22/23	M-05
p-Dichlorobenzene	ND	42	100	ug/l	100	10/22/23	M-05
Tetrachloroethene	ND	34	100	ug/l	100	10/22/23	M-05
Toluene	ND	36	100	ug/l	100	10/22/23	M-05
trans-1,2-Dichloroethene	ND	27	100	ug/l	100	10/22/23	M-05
trans-1,3-Dichloropropene	ND	33	100	ug/l	100	10/22/23	M-05

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Project Number: Chiquita Canyon Landfill

Reported:
10/29/2023 21:25

Project Manager: Paul Chang

Sample Results

(Continued)

Sample: WSPC
3J20123-02 (Water) Sampled: 10/20/23 10:40 by Paul Chang
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)							
Method: EPA 624.1			Instr: GCMS21				
Batch ID: W3J1840		Preparation: EPA 5030B			Prepared: 10/22/23 12:10		Analyst: cam
Trichloroethene	ND	34	100	ug/l	100	10/22/23	M-05
Trichlorofluoromethane	ND	43	100	ug/l	100	10/22/23	M-05
Vinyl chloride	ND	31	100	ug/l	100	10/22/23	M-05
<i>Surrogate(s)</i>							
1,2-Dichloroethane-d4	107%	Conc: 53.5	82-125			10/22/23	
4-Bromofluorobenzene	103%	Conc: 51.6	88-108			10/22/23	
Toluene-d8	113%	Conc: 56.6	92-112			10/22/23	S-11

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Reported:
10/29/2023 21:25

Project Manager: Paul Chang

Sample Results

(Continued)

Sample: PCC8
3J20123-03 (Water) Sampled: 10/20/23 11:07 by Paul Chang

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS							
Method: EPA 624.1			Instr: GCMS21				
Batch ID: W3J1840		Preparation: EPA 5030B			Prepared: 10/22/23 12:10		Analyst: cam
1,1,1-Trichloroethane	ND	31	100	ug/l	100	10/22/23	M-05
1,1,2,2-Tetrachloroethane	ND	38	100	ug/l	100	10/22/23	M-05
1,1,2-Trichloroethane	ND	42	100	ug/l	100	10/22/23	M-05
1,1-Dichloroethane	ND	32	100	ug/l	100	10/22/23	M-05
1,1-Dichloroethene	ND	32	100	ug/l	100	10/22/23	M-05
1,2-Dichloroethane	ND	54	100	ug/l	100	10/22/23	M-05
1,2-Dichloropropane	ND	42	100	ug/l	100	10/22/23	M-05
1,3-Dichloropropene, Total	ND		100	ug/l	100	10/22/23	
2-Chloroethyl vinyl ether	ND	19	500	ug/l	100	10/22/23	M-05
Acrolein	ND	120	500	ug/l	100	10/22/23	M-05
Acrylonitrile	ND	63	200	ug/l	100	10/22/23	M-05
Benzene	ND	47	100	ug/l	100	10/22/23	M-05
Bromodichloromethane	ND	44	100	ug/l	100	10/22/23	M-05
Bromoform	ND	27	100	ug/l	100	10/22/23	M-05
Bromomethane	ND	50	100	ug/l	100	10/22/23	M-05
Carbon tetrachloride	ND	28	100	ug/l	100	10/22/23	M-05
Chlorobenzene	ND	35	100	ug/l	100	10/22/23	M-05
Chloroethane	ND	38	100	ug/l	100	10/22/23	M-05
Chloroform	ND	29	100	ug/l	100	10/22/23	M-05
Chloromethane	ND	29	100	ug/l	100	10/22/23	M-05
cis-1,3-Dichloropropene	ND	36	100	ug/l	100	10/22/23	M-05
Dibromochloromethane	ND	35	100	ug/l	100	10/22/23	M-05
Dichlorodifluoromethane (Freon 12)	ND	30	100	ug/l	100	10/22/23	M-05
Ethylbenzene	ND	41	100	ug/l	100	10/22/23	M-05
m,p-Xylene	ND	29	100	ug/l	100	10/22/23	M-05
m-Dichlorobenzene	ND	39	100	ug/l	100	10/22/23	M-05
Methyl tert-butyl ether (MTBE)	ND	40	100	ug/l	100	10/22/23	M-05
Methylene chloride	ND	39	100	ug/l	100	10/22/23	M-05
o-Dichlorobenzene	ND	35	100	ug/l	100	10/22/23	M-05
o-Xylene	ND	29	100	ug/l	100	10/22/23	M-05
p-Dichlorobenzene	ND	42	100	ug/l	100	10/22/23	M-05
Tetrachloroethene	ND	34	100	ug/l	100	10/22/23	M-05
Toluene	ND	36	100	ug/l	100	10/22/23	M-05
trans-1,2-Dichloroethene	ND	27	100	ug/l	100	10/22/23	M-05
trans-1,3-Dichloropropene	ND	33	100	ug/l	100	10/22/23	M-05

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Project Number: Chiquita Canyon Landfill

Reported:
10/29/2023 21:25

Project Manager: Paul Chang

Sample Results

(Continued)

Sample: PCC8
3J20123-03 (Water) Sampled: 10/20/23 11:07 by Paul Chang
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)							
Method: EPA 624.1				Instr: GCMS21			
Batch ID: W3J1840		Preparation: EPA 5030B		Prepared: 10/22/23 12:10		Analyst: cam	
Trichloroethene	ND	34	100	ug/l	100	10/22/23	M-05
Trichlorofluoromethane	ND	43	100	ug/l	100	10/22/23	M-05
Vinyl chloride	ND	31	100	ug/l	100	10/22/23	M-05
<i>Surrogate(s)</i>							
1,2-Dichloroethane-d4	106%	Conc: 52.8	82-125			10/22/23	
4-Bromofluorobenzene	103%	Conc: 51.7	88-108			10/22/23	
Toluene-d8	113%	Conc: 56.3	92-112			10/22/23	S-11

Chang Environmental
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Project Number: Chiquita Canyon Landfill

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Project Manager: Paul Chang

Quality Control Results

Volatile Organic Compounds by P&T and GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W3J1840 - EPA 624.1											
Blank (W3J1840-BLK1)						Prepared & Analyzed: 10/22/23					
1,1,1-Trichloroethane	ND	0.31	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/l							
1,1,2-Trichloroethane	ND	0.42	1.0	ug/l							
1,1-Dichloroethane	ND	0.32	1.0	ug/l							
1,1-Dichloroethene	ND	0.32	1.0	ug/l							
1,2-Dichloroethane	ND	0.54	1.0	ug/l							
1,2-Dichloropropane	ND	0.42	1.0	ug/l							
1,3-Dichloropropene, Total	ND		1.0	ug/l							
2-Chloroethyl vinyl ether	ND	0.19	5.0	ug/l							
Acrolein	ND	1.2	5.0	ug/l							
Acrylonitrile	ND	0.63	2.0	ug/l							
Benzene	ND	0.47	1.0	ug/l							
Bromodichloromethane	ND	0.44	1.0	ug/l							
Bromoform	ND	0.27	1.0	ug/l							
Bromomethane	ND	0.50	1.0	ug/l							
Carbon tetrachloride	ND	0.28	1.0	ug/l							
Chlorobenzene	ND	0.35	1.0	ug/l							
Chloroethane	ND	0.38	1.0	ug/l							
Chloroform	ND	0.29	1.0	ug/l							
Chloromethane	ND	0.29	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/l							
Dibromochloromethane	ND	0.35	1.0	ug/l							
Dichlorodifluoromethane (Freon 12)	ND	0.30	1.0	ug/l							
Ethylbenzene	ND	0.41	1.0	ug/l							
m,p-Xylene	ND	0.29	1.0	ug/l							
m-Dichlorobenzene	ND	0.39	1.0	ug/l							
Methyl tert-butyl ether (MTBE)	ND	0.40	1.0	ug/l							
Methylene chloride	ND	0.39	1.0	ug/l							
o-Dichlorobenzene	ND	0.35	1.0	ug/l							
o-Xylene	ND	0.29	1.0	ug/l							
p-Dichlorobenzene	ND	0.42	1.0	ug/l							
Tetrachloroethene	ND	0.34	1.0	ug/l							
Toluene	ND	0.36	1.0	ug/l							
trans-1,2-Dichloroethene	ND	0.27	1.0	ug/l							
trans-1,3-Dichloropropene	ND	0.33	1.0	ug/l							
Trichloroethene	ND	0.34	1.0	ug/l							
Trichlorofluoromethane	ND	0.43	1.0	ug/l							
Vinyl chloride	ND	0.31	1.0	ug/l							

Surrogate(s)

Chang Environmental
23890 Copper Hill Drive #226
Valencia, CA 91354

Project Number: Chiquita Canyon Landfill

Reported:
10/29/2023 21:25

Project Manager: Paul Chang

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W3J1840 - EPA 624.1 (Continued)											
Blank (W3J1840-BLK1)						Prepared & Analyzed: 10/22/23					
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	53.3			ug/l	50.0		107	82-125			
4-Bromofluorobenzene	51.5			ug/l	50.0		103	88-108			
Toluene-d8	55.9			ug/l	50.0		112	92-112			
LCS (W3J1840-BS1)						Prepared & Analyzed: 10/22/23					
1,1,1-Trichloroethane	22.5	0.31	1.0	ug/l	20.0		112	52-162			
1,1,2,2-Tetrachloroethane	17.6	0.38	1.0	ug/l	20.0		88	46-157			
1,1,2-Trichloroethane	23.4	0.42	1.0	ug/l	20.0		117	52-150			
1,1-Dichloroethane	22.0	0.32	1.0	ug/l	20.0		110	59-155			
1,1-Dichloroethene	22.0	0.32	1.0	ug/l	20.0		110	0.1-234			
1,2-Dichloroethane	23.7	0.54	1.0	ug/l	20.0		118	49-155			
1,2-Dichloropropane	22.3	0.42	1.0	ug/l	20.0		111	0.1-210			
2-Chloroethyl vinyl ether	26.0	0.19	5.0	ug/l	20.0		130	0.1-305			
Acrolein	34.0	1.2	5.0	ug/l	20.0		170	49-152			Q-08
Acrylonitrile	24.5	0.63	2.0	ug/l	20.0		122	74-127			
Benzene	21.9	0.47	1.0	ug/l	20.0		109	37-151			
Bromodichloromethane	24.1	0.44	1.0	ug/l	20.0		121	35-155			
Bromoform	20.0	0.27	1.0	ug/l	20.0		100	45-169			
Bromomethane	22.5	0.50	1.0	ug/l	20.0		112	0.1-242			
Carbon tetrachloride	21.4	0.28	1.0	ug/l	20.0		107	70-140			
Chlorobenzene	17.7	0.35	1.0	ug/l	20.0		89	37-160			
Chloroethane	17.7	0.38	1.0	ug/l	20.0		88	14-230			
Chloroform	22.8	0.29	1.0	ug/l	20.0		114	51-138			
Chloromethane	18.7	0.29	1.0	ug/l	20.0		94	0.1-273			
cis-1,3-Dichloropropene	24.6	0.36	1.0	ug/l	20.0		123	0.1-227			
Dibromochloromethane	24.9	0.35	1.0	ug/l	20.0		124	53-149			
Dichlorodifluoromethane (Freon 12)	19.5	0.30	1.0	ug/l	20.0		98	67-126			
Ethylbenzene	17.3	0.41	1.0	ug/l	20.0		87	37-162			
m,p-Xylene	18.1	0.29	1.0	ug/l	20.0		91	81-121			
m-Dichlorobenzene	18.3	0.39	1.0	ug/l	20.0		91	59-156			
Methyl tert-butyl ether (MTBE)	99.9	0.40	1.0	ug/l	80.0		125	80-128			
Methylene chloride	24.1	0.39	1.0	ug/l	20.0		120	0.1-221			
o-Dichlorobenzene	17.6	0.35	1.0	ug/l	20.0		88	18-190			
o-Xylene	18.7	0.29	1.0	ug/l	20.0		94	84-121			
p-Dichlorobenzene	17.6	0.42	1.0	ug/l	20.0		88	18-190			
Tetrachloroethene	20.5	0.34	1.0	ug/l	20.0		102	64-148			
Toluene	22.3	0.36	1.0	ug/l	20.0		111	47-150			
trans-1,2-Dichloroethene	22.7	0.27	1.0	ug/l	20.0		114	54-156			
trans-1,3-Dichloropropene	24.8	0.33	1.0	ug/l	20.0		124	17-183			

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Project Number: Chiquita Canyon Landfill

Reported:
10/29/2023 21:25

Project Manager: Paul Chang

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3J1840 - EPA 624.1 (Continued)										
LCS (W3J1840-BS1)					Prepared & Analyzed: 10/22/23					
Trichloroethene	22.7	0.34	1.0	ug/l	20.0	113	71-157			
Trichlorofluoromethane	16.5	0.43	1.0	ug/l	20.0	82	17-181			
Vinyl chloride	16.2	0.31	1.0	ug/l	20.0	81	0.1-251			
<i>Surrogate(s)</i>										
1,2-Dichloroethane-d4	52.5			ug/l	50.0	105	82-125			
4-Bromofluorobenzene	53.6			ug/l	50.0	107	88-108			
Toluene-d8	56.6			ug/l	50.0	113	92-112			S-11
LCS Dup (W3J1840-BSD1)					Prepared & Analyzed: 10/22/23					
1,1,1-Trichloroethane	24.0	0.31	1.0	ug/l	20.0	120	52-162	7	25	
1,1,2,2-Tetrachloroethane	18.6	0.38	1.0	ug/l	20.0	93	46-157	6	25	
1,1,2-Trichloroethane	24.3	0.42	1.0	ug/l	20.0	121	52-150	4	25	
1,1-Dichloroethane	23.1	0.32	1.0	ug/l	20.0	116	59-155	5	25	
1,1-Dichloroethene	23.9	0.32	1.0	ug/l	20.0	119	0.1-234	8	25	
1,2-Dichloroethane	24.6	0.54	1.0	ug/l	20.0	123	49-155	4	25	
1,2-Dichloropropane	23.5	0.42	1.0	ug/l	20.0	117	0.1-210	5	25	
2-Chloroethyl vinyl ether	26.8	0.19	5.0	ug/l	20.0	134	0.1-305	3	25	
Acrolein	34.6	1.2	5.0	ug/l	20.0	173	49-152	1	25	Q-08
Acrylonitrile	25.0	0.63	2.0	ug/l	20.0	125	74-127	2	25	
Benzene	22.9	0.47	1.0	ug/l	20.0	114	37-151	4	25	
Bromodichloromethane	24.9	0.44	1.0	ug/l	20.0	125	35-155	3	25	
Bromoform	21.2	0.27	1.0	ug/l	20.0	106	45-169	5	25	
Bromomethane	23.7	0.50	1.0	ug/l	20.0	119	0.1-242	5	25	
Carbon tetrachloride	23.1	0.28	1.0	ug/l	20.0	115	70-140	8	25	
Chlorobenzene	18.9	0.35	1.0	ug/l	20.0	95	37-160	7	25	
Chloroethane	19.1	0.38	1.0	ug/l	20.0	96	14-230	8	25	
Chloroform	24.0	0.29	1.0	ug/l	20.0	120	51-138	5	25	
Chloromethane	20.4	0.29	1.0	ug/l	20.0	102	0.1-273	8	25	
cis-1,3-Dichloropropene	25.6	0.36	1.0	ug/l	20.0	128	0.1-227	4	25	
Dibromochloromethane	25.9	0.35	1.0	ug/l	20.0	130	53-149	4	25	
Dichlorodifluoromethane (Freon 12)	21.2	0.30	1.0	ug/l	20.0	106	67-126	8	25	
Ethylbenzene	18.5	0.41	1.0	ug/l	20.0	93	37-162	7	25	
m,p-Xylene	19.3	0.29	1.0	ug/l	20.0	96	81-121	6	25	
m-Dichlorobenzene	19.6	0.39	1.0	ug/l	20.0	98	59-156	7	25	
Methyl tert-butyl ether (MTBE)	103	0.40	1.0	ug/l	80.0	129	80-128	3	25	Q-08
Methylene chloride	25.1	0.39	1.0	ug/l	20.0	126	0.1-221	4	25	
o-Dichlorobenzene	18.5	0.35	1.0	ug/l	20.0	92	18-190	5	25	
o-Xylene	20.1	0.29	1.0	ug/l	20.0	100	84-121	7	25	
p-Dichlorobenzene	18.5	0.42	1.0	ug/l	20.0	92	18-190	5	25	
Tetrachloroethene	22.3	0.34	1.0	ug/l	20.0	112	64-148	8	25	

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(Continued)

Quality Control Results

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W3J1840 - EPA 624.1 (Continued)											
LCS Dup (W3J1840-BSD1)					Prepared & Analyzed: 10/22/23						
Toluene	23.6	0.36	1.0	ug/l	20.0		118	47-150	6	25	
trans-1,2-Dichloroethene	24.1	0.27	1.0	ug/l	20.0		120	54-156	6	25	
trans-1,3-Dichloropropene	25.3	0.33	1.0	ug/l	20.0		127	17-183	2	25	
Trichloroethene	24.5	0.34	1.0	ug/l	20.0		122	71-157	8	25	
Trichlorofluoromethane	18.6	0.43	1.0	ug/l	20.0		93	17-181	12	25	
Vinyl chloride	17.8	0.31	1.0	ug/l	20.0		89	0.1-251	9	25	
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	52.2			ug/l	50.0		104	82-125			
4-Bromofluorobenzene	53.9			ug/l	50.0		108	88-108			
Toluene-d8	56.6			ug/l	50.0		113	92-112			S-11

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Notes and Definitions

Item	Definition
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
S-11	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.