



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Dr., Diamond Bar, CA 91765-4182

MONITORING AND ANALYSIS
REPORT OF LABORATORY ANALYSIS

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To: Jason Aspell
Senior Enforcement Manager
Compliance & Enforcement

Laboratory No. 1914414-01 to -04

Requested By Kristina Gonzales

Rule No. R402, R1401

Sampling Location

ST No. NA

Facility ID 139446

Report Created 06/05/2019

Ascon Landfill

21498 Magnolia Street

Huntington Beach, CA 92646

ANALYTICAL WORK PERFORMED, METHOD OF ANALYSIS, AND RESULTS

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified

See attached results and sample information.

Reviewed By:

Date Reviewed:

06/05/19

Stephen Dutz
Principal A.Q. Chemist
Laboratory Services

Approved By:

Date Approved:

6/5/2019

Aaron Katzenstein, Ph.D.
Senior Manager
Laboratory Services
(909) 396-2219



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MONITORING AND ANALYSIS
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Laboratory No. 1914414-01

Sample Description Grab, SILCO Canister SM-S1018, Upwind, collected at west side of site, South & Surveyor Circle

Sample Date 05/24/2019

Received Date 05/24/2019

Analyzed Date 05/28/2019

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.1	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.1	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.1	
1,2,4-Trichlorobenzene, ppbv	AS	0.1	0.1	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,2-Dibromoethane, ppbv	ND	0.1	0.1	
1,2-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,2-Dichloroethane, ppbv	ND	0.1	0.1	
1,2-Dichloropropane, ppbv	ND	0.1	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,3-Butadiene, ppbv	ND	0.1	0.1	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.1	<0.1
2-Butanone (MEK), ppbv	0.7	0.1	0.1	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.1	
2-Propenal, ppbv	0.4 (QX)	0.1	0.1	
Acetone, ppbv	5.1 (EH)	0.1	0.1	7.7
Benzene, ppbv	0.2	0.1	0.1	0.6
Benzyl chloride, ppbv	ND (QX)	0.1	0.1	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.1	<0.1
Bromoform, ppbv	ND	0.1	0.1	<0.1
Bromomethane, ppbv	ND	0.1	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.1	<0.1
Carbon Tetrachloride, ppbv	ND	0.1	0.1	0.1
Chlorobenzene, ppbv	ND	0.1	0.1	<0.1
Chloroethane, ppbv	ND	0.1	0.1	<0.1
Chloroform, ppbv	ND	0.1	0.1	<0.1
Chloromethane, ppbv	0.7	0.1	0.1	0.6



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Laboratory No. 1914414-01 - continued
Sample Description Grab, SILCO Canister SM-S1018, Upwind, collected at west side of site, South & Surveyor Circle
Sample Date 05/24/2019 **Received Date 05/24/2019** **Analyzed Date 05/28/2019**

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Cyclohexane, ppbv	0.2	0.1	0.1	0.1
Dibromochloromethane, ppbv	ND	0.1	0.1	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.5	0.1	0.1	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.1	<0.1
Ethanol, ppbv	AS	0.1	0.1	7.3
Ethyl Acetate, ppbv	ND	0.1	0.1	<0.1
Ethylbenzene, ppbv	0.1	0.1	0.1	0.2
Hexachloro-1,3-butadiene, ppbv	ND	0.1	0.1	
Isopropanol, ppbv	AS	0.1	0.1	
m+p-Xylene, ppbv	0.2	0.1	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.1	
Methyl Methacrylate, ppbv	ND	0.1	0.1	
Methyl tert-Butyl Ether (MTBE), ppbv	ND	0.1	0.1	
Methylene Chloride, ppbv	0.2	0.1	0.1	0.2
Naphthalene, ppbv	AS	0.1	0.1	
n-Heptane, ppbv	0.1	0.1	0.1	0.2
n-Hexane, ppbv	0.4	0.1	0.1	0.1
o-Xylene, ppbv	0.1	0.1	0.1	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.1	
Propylene, ppbv	0.4	0.1	0.1	0.5
Styrene, ppbv	ND	0.1	0.1	0.1
Tetrachloroethylene, ppbv	ND	0.1	0.1	
Tetrahydrofuran, ppbv	ND	0.1	0.1	<0.1
Toluene, ppbv	0.7	0.1	0.1	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Trichloroethylene, ppbv	ND	0.1	0.1	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.1	0.1	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.1	0.1



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Laboratory No. 1914414-01 - continued
Sample Description Grab, SILCO Canister SM-S1018, Upwind, collected at west side of site, South & Surveyor Circle
Sample Date 05/24/2019 Received Date 05/24/2019 Analyzed Date 05/28/2019

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
Vinyl acetate, ppbv	ND	0.1	0.1	<0.1
Vinyl chloride, ppbv	ND	0.1	0.1	<0.1

* J = Value is between method detection and reporting limits.

AS = Poor Quality Assurance Results, EH = Estimated; Exceeds Upper Range, QX = Does not meet QC criteria.



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Laboratory No. 1914414-01 - continued
Sample Description Grab, SILCO Canister SM-S1018, Upwind, collected at west side of site, South & Surveyor Circle
Sample Date 05/24/2019 **Received Date 05/24/2019** **Analyzed Date 05/28/2019**

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified

—TENTATIVELY IDENTIFIED COMPOUNDS—
CONCENTRATIONS ARE APPROXIMATED

<u>Analyte, Unit</u>	<u>Result</u>
No TICs Found, ppbv	0.0

* J = Value is between method detection and reporting limits.



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Laboratory No. 1914414-02
Sample Description Grab, SILCO Canister E3345, Downwind, east of site, residential area, Magnolia & Hamilton, end of Niguel
Sample Date 05/24/2019 **Received Date 05/24/2019** **Analyzed Date 05/28/2019**

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.1	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.1	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.1	
1,2,4-Trichlorobenzene, ppbv	AS	0.1	0.1	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,2-Dibromoethane, ppbv	ND	0.1	0.1	
1,2-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,2-Dichloroethane, ppbv	ND	0.1	0.1	
1,2-Dichloropropane, ppbv	ND	0.1	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,3-Butadiene, ppbv	ND	0.1	0.1	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.1	<0.1
2-Butanone (MEK), ppbv	0.2	0.1	0.1	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.1	
2-Propenal, ppbv	0.2 (QX)	0.1	0.1	
Acetone, ppbv	2.5	0.1	0.1	7.7
Benzene, ppbv	0.1	0.1	0.1	0.6
Benzyl chloride, ppbv	ND (QX)	0.1	0.1	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.1	<0.1
Bromoform, ppbv	ND	0.1	0.1	<0.1
Bromomethane, ppbv	ND	0.1	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.1	<0.1
Carbon Tetrachloride, ppbv	ND	0.1	0.1	0.1
Chlorobenzene, ppbv	ND	0.1	0.1	<0.1
Chloroethane, ppbv	ND	0.1	0.1	<0.1
Chloroform, ppbv	ND	0.1	0.1	<0.1
Chloromethane, ppbv	0.7	0.1	0.1	0.6



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Laboratory No. 1914414-02 - continued
Sample Description Grab, SILCO Canister E3345, Downwind, east of site, residential area, Magnolia & Hamilton, end of Niguel
Sample Date 05/24/2019 **Received Date 05/24/2019** **Analyzed Date 05/28/2019**

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Cyclohexane, ppbv	0.1	0.1	0.1	0.1
Dibromochloromethane, ppbv	ND	0.1	0.1	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.5	0.1	0.1	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.1	<0.1
Ethanol, ppbv	AS	0.1	0.1	7.3
Ethyl Acetate, ppbv	ND	0.1	0.1	<0.1
Ethylbenzene, ppbv	ND	0.1	0.1	0.2
Hexachloro-1,3-butadiene, ppbv	ND	0.1	0.1	
Isopropanol, ppbv	AS	0.1	0.1	
m+p-Xylene, ppbv	0.2	0.1	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.1	
Methyl Methacrylate, ppbv	ND	0.1	0.1	
Methyl tert-Butyl Ether (MTBE), ppbv	ND	0.1	0.1	
Methylene Chloride, ppbv	0.2	0.1	0.1	0.2
Naphthalene, ppbv	AS	0.1	0.1	
n-Heptane, ppbv	ND	0.1	0.1	0.2
n-Hexane, ppbv	0.2	0.1	0.1	0.1
o-Xylene, ppbv	ND	0.1	0.1	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.1	
Propylene, ppbv	0.3	0.1	0.1	0.5
Styrene, ppbv	ND	0.1	0.1	0.1
Tetrachloroethylene, ppbv	ND	0.1	0.1	
Tetrahydrofuran, ppbv	ND	0.1	0.1	<0.1
Toluene, ppbv	0.3	0.1	0.1	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Trichloroethylene, ppbv	ND	0.1	0.1	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.1	0.1	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.1	0.1



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Laboratory No. 1914414-02 - continued
Sample Description Grab, SILCO Canister E3345, Downwind, east of site, residential area, Magnolia & Hamilton, end of Niguel
Sample Date 05/24/2019 **Received Date 05/24/2019** **Analyzed Date 05/28/2019**

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
Vinyl acetate, ppbv	ND	0.1	0.1	<0.1
Vinyl chloride, ppbv	ND	0.1	0.1	<0.1

** J = Value is between method detection and reporting limits.*

AS = Poor Quality Assurance Results, QX = Does not meet QC criteria.



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Laboratory No. 1914414-02 - continued
Sample Description Grab, SILCO Canister E3345, Downwind, east of site, residential area, Magnolia & Hamilton, end of Niguel
Sample Date 05/24/2019 **Received Date 05/24/2019** **Analyzed Date 05/28/2019**

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified

—TENTATIVELY IDENTIFIED COMPOUNDS—
CONCENTRATIONS ARE APPROXIMATED

<u>Analyte, Unit</u>	<u>Result</u>
No TICs Found, ppbv	0.0

* J = Value is between method detection and reporting limits.



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Laboratory No. 1914414-03

Sample Description Grab, SILCO Canister E0747, Downwind, Edison High School, NE of site, corner Magnolia & Hamilton

Sample Date 05/24/2019

Received Date 05/24/2019

Analyzed Date 05/28/2019

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.1	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.1	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.1	
1,2,4-Trichlorobenzene, ppbv	AS	0.1	0.1	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,2-Dibromoethane, ppbv	ND	0.1	0.1	
1,2-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,2-Dichloroethane, ppbv	ND	0.1	0.1	
1,2-Dichloropropane, ppbv	ND	0.1	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,3-Butadiene, ppbv	ND	0.1	0.1	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.1	<0.1
2-Butanone (MEK), ppbv	0.2	0.1	0.1	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.1	
2-Propenal, ppbv	0.1 (QX)	0.1	0.1	
Acetone, ppbv	1.7	0.1	0.1	7.7
Benzene, ppbv	ND	0.1	0.1	0.6
Benzyl chloride, ppbv	ND (QX)	0.1	0.1	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.1	<0.1
Bromoform, ppbv	ND	0.1	0.1	<0.1
Bromomethane, ppbv	ND	0.1	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.1	<0.1
Carbon Tetrachloride, ppbv	ND	0.1	0.1	0.1
Chlorobenzene, ppbv	ND	0.1	0.1	<0.1
Chloroethane, ppbv	ND	0.1	0.1	<0.1
Chloroform, ppbv	ND	0.1	0.1	<0.1
Chloromethane, ppbv	0.7	0.1	0.1	0.6



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Laboratory No. 1914414-03 - continued
Sample Description Grab, SILCO Canister E0747, Downwind, Edison High School, NE of site, corner Magnolia & Hamilton
Sample Date 05/24/2019 **Received Date 05/24/2019** **Analyzed Date 05/28/2019**

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Cyclohexane, ppbv	ND	0.1	0.1	0.1
Dibromochloromethane, ppbv	ND	0.1	0.1	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.5	0.1	0.1	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.1	<0.1
Ethanol, ppbv	AS	0.1	0.1	7.3
Ethyl Acetate, ppbv	ND	0.1	0.1	<0.1
Ethylbenzene, ppbv	ND	0.1	0.1	0.2
Hexachloro-1,3-butadiene, ppbv	ND	0.1	0.1	
Isopropanol, ppbv	AS	0.1	0.1	
m+p-Xylene, ppbv	0.1	0.1	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.1	
Methyl Methacrylate, ppbv	ND	0.1	0.1	
Methyl tert-Butyl Ether (MTBE), ppbv	ND	0.1	0.1	
Methylene Chloride, ppbv	0.6	0.1	0.1	0.2
Naphthalene, ppbv	AS	0.1	0.1	
n-Heptane, ppbv	ND	0.1	0.1	0.2
n-Hexane, ppbv	0.1	0.1	0.1	0.1
o-Xylene, ppbv	ND	0.1	0.1	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.1	
Propylene, ppbv	0.3	0.1	0.1	0.5
Styrene, ppbv	ND	0.1	0.1	0.1
Tetrachloroethylene, ppbv	ND	0.1	0.1	
Tetrahydrofuran, ppbv	ND	0.1	0.1	<0.1
Toluene, ppbv	0.2	0.1	0.1	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Trichloroethylene, ppbv	ND	0.1	0.1	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.1	0.1	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.1	0.1



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Laboratory No. 1914414-03 - continued
Sample Description Grab, SILCO Canister E0747, Downwind, Edison High School, NE of site, corner
Magnolia & Hamilton
Sample Date 05/24/2019 Received Date 05/24/2019 Analyzed Date 05/28/2019

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
Vinyl acetate, ppbv	ND	0.1	0.1	<0.1
Vinyl chloride, ppbv	ND	0.1	0.1	<0.1

* J = Value is between method detection and reporting limits.

AS = Poor Quality Assurance Results, QX = Does not meet QC criteria.



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Laboratory No. 1914414-03 - continued
Sample Description Grab, SILCO Canister E0747, Downwind, Edison High School, NE of site, corner
Magnolia & Hamilton
Sample Date 05/24/2019 Received Date 05/24/2019 Analyzed Date 05/28/2019

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified

—TENTATIVELY IDENTIFIED COMPOUNDS—
CONCENTRATIONS ARE APPROXIMATED

<u>Analyte, Unit</u>	<u>Result</u>
No TICs Found, ppbv	0.0

* J = Value is between method detection and reporting limits.



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Laboratory No. 1914414-04

Sample Description Grab, SILCO Canister 53474, Downwind, by John H Eader Elementary School,
 Banning & Starfire

Sample Date 05/24/2019

Received Date 05/24/2019

Analyzed Date 05/28/2019

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
1,1,1-Trichloroethane, ppbv	ND	0.1	0.1	0.1
1,1,2,2-Tetrachloroethane, ppbv	ND	0.1	0.1	<0.1
1,1,2-Trichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethane, ppbv	ND	0.1	0.1	<0.1
1,1-Dichloroethylene, ppbv	ND	0.1	0.1	
1,2,4-Trichlorobenzene, ppbv	AS	0.1	0.1	<0.1
1,2,4-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,2-Dibromoethane, ppbv	ND	0.1	0.1	
1,2-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,2-Dichloroethane, ppbv	ND	0.1	0.1	
1,2-Dichloropropane, ppbv	ND	0.1	0.1	<0.1
1,3,5-Trimethylbenzene, ppbv	ND	0.1	0.1	0.1
1,3-Butadiene, ppbv	ND	0.1	0.1	<0.1
1,3-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dichlorobenzene, ppbv	ND	0.1	0.1	
1,4-Dioxane, ppbv	ND (QX)	0.1	0.1	<0.1
2-Butanone (MEK), ppbv	0.1	0.1	0.1	0.3
2-Hexanone (MBK), ppbv	ND	0.1	0.1	
2-Propenal, ppbv	ND (QX)	0.1	0.1	
Acetone, ppbv	1.5	0.1	0.1	7.7
Benzene, ppbv	ND	0.1	0.1	0.6
Benzyl chloride, ppbv	ND (QX)	0.1	0.1	<0.1
Bromodichloromethane, ppbv	ND	0.1	0.1	<0.1
Bromoform, ppbv	ND	0.1	0.1	<0.1
Bromomethane, ppbv	ND	0.1	0.1	<0.1
Carbon disulfide, ppbv	ND	0.1	0.1	<0.1
Carbon Tetrachloride, ppbv	ND	0.1	0.1	0.1
Chlorobenzene, ppbv	ND	0.1	0.1	<0.1
Chloroethane, ppbv	ND	0.1	0.1	<0.1
Chloroform, ppbv	ND	0.1	0.1	<0.1
Chloromethane, ppbv	0.8	0.1	0.1	0.6



South Coast
AQMD

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Dr., Diamond Bar, CA 91765-4182

MONITORING AND ANALYSIS
REPORT OF LABORATORY ANALYSIS

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Laboratory No. 1914414-04 - continued

Sample Description Grab, SILCO Canister 53474, Downwind, by John H Eader Elementary School,
Banning & Starfire

Sample Date 05/24/2019

Received Date 05/24/2019

Analyzed Date 05/28/2019

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
cis-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
cis-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Cyclohexane, ppbv	ND	0.1	0.1	0.1
Dibromochloromethane, ppbv	ND	0.1	0.1	<0.1
Dichlorodifluoromethane (Freon 12), ppbv	0.5	0.1	0.1	0.5
Dichlorotetrafluoroethane (Freon 114), ppbv	ND	0.1	0.1	<0.1
Ethanol, ppbv	AS	0.1	0.1	7.3
Ethyl Acetate, ppbv	ND	0.1	0.1	<0.1
Ethylbenzene, ppbv	ND	0.1	0.1	0.2
Hexachloro-1,3-butadiene, ppbv	ND	0.1	0.1	
Isopropanol, ppbv	AS	0.1	0.1	
m+p-Xylene, ppbv	ND	0.1	0.1	0.6
Methyl Isobutyl Ketone (MIBK), ppbv	ND	0.1	0.1	
Methyl Methacrylate, ppbv	ND	0.1	0.1	
Methyl tert-Butyl Ether (MTBE), ppbv	ND	0.1	0.1	
Methylene Chloride, ppbv	0.1	0.1	0.1	0.2
Naphthalene, ppbv	AS	0.1	0.1	
n-Heptane, ppbv	ND	0.1	0.1	0.2
n-Hexane, ppbv	ND	0.1	0.1	0.1
o-Xylene, ppbv	ND	0.1	0.1	0.2
p-Ethyltoluene, ppbv	ND	0.1	0.1	
Propylene, ppbv	ND	0.1	0.1	0.5
Styrene, ppbv	ND	0.1	0.1	0.1
Tetrachloroethylene, ppbv	ND	0.1	0.1	
Tetrahydrofuran, ppbv	ND	0.1	0.1	<0.1
Toluene, ppbv	ND	0.1	0.1	1.6
trans-1,2-Dichloroethylene, ppbv	ND	0.1	0.1	
trans-1,3-Dichloropropene, ppbv	ND	0.1	0.1	
Trichloroethylene, ppbv	ND	0.1	0.1	<0.2
Trichlorofluoromethane (Freon 11), ppbv	0.2	0.1	0.1	0.2
Trichlorotrifluoroethane (Freon 113), ppbv	ND	0.1	0.1	0.1



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Dr., Diamond Bar, CA 91765-4182

MONITORING AND ANALYSIS
REPORT OF LABORATORY ANALYSIS

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Laboratory No. 1914414-04 - continued
Sample Description Grab, SILCO Canister 53474, Downwind, by John H Eader Elementary School,
Banning & Starfire
Sample Date 05/24/2019 **Received Date 05/24/2019** **Analyzed Date 05/28/2019**

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS)

<u>Analyte, Unit</u>	<u>Result</u>	<u>MDL</u>	<u>MRL</u>	<u>Ambient Avg</u>
Vinyl acetate, ppbv	ND	0.1	0.1	<0.1
Vinyl chloride, ppbv	ND	0.1	0.1	<0.1

** J = Value is between method detection and reporting limits.*

AS = Poor Quality Assurance Results, QX = Does not meet QC criteria.



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Laboratory No. 1914414-04 - continued
Sample Description Grab, SILCO Canister 53474, Downwind, by John H Eader Elementary School,
Banning & Starfire
Sample Date 05/24/2019 Received Date 05/24/2019 Analyzed Date 05/28/2019

Volatile Organic Compounds (VOCs) in Ambient Air by EPA TO-15 (GC/MS) - Tentatively Identified

—TENTATIVELY IDENTIFIED COMPOUNDS—
CONCENTRATIONS ARE APPROXIMATED

<u>Analyte, Unit</u>	<u>Result</u>
No TICs Found, ppbv	0.0

* J = Value is between method detection and reporting limits.

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SAMPLE ANALYSIS REQUEST**

DISTRICT INFORMATION
 INVOICE SOURCE
 AUDIT

LABORATORY NO. 1914414

TO: SCAQMD LAB OTHER:

SOURCE NAME: Ascon Landfill I.D. No. 139446

Source Address: 21498 Magnolia Street City: Huntington Beach

Mailing Address: 21498 Magnolia Street City: Huntington Beach Zip: 92646

Contact Person: Steve Howe Title: Senior Project Manager Tel: 714-388-1800

Analysis Requested by: Aaron Katzenstein Date: 5/24/2019

Approved by: _____ Office: _____ Budget #: _____

REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill

 Suspected Violation Rule(s) 402, 1401 Other _____

Sample Collected by: Danny Iha Date: 5/24/2019 Time: 1025 hours

Specify the description and location where the sample was collected:

1. Silonite Canister# SM-S1018, upwind, collected at west side of site, South & Surveyor Circle, 1025 AM
2. Silonite Canister# E3345, downwind, east of site, residential area, Magnolia & Hamilton, end of Niguel, 1049 AM
3. Silonite Canister# E0747, downwind, Edison High School, NE of site, corner Magnolia & Hamilton, 1108 AM
4. Silonite Canister# 53474, downwind, by John H Eader Elementary School, Banning & Starfire, 1120 AM

Relinquished by	Received by	Firm/Agency	Date	Time
<u>Daniel Iha</u>	<u>Brian Srinajon</u>	<u>SCAQMD</u>	<u>5/24/19</u>	<u>1400</u>

Remarks: