Rule 1200 Health Risk Assessment

Facility Name:	Hamann Property Management
Facility ID:	2018-SITE-02779
Application:	2025-APP-008870
Project Engineer:	Jannys Meza
Modeler:	Bill Reeve
Toxics Risk Analyst:	Andrew Bernabe
Date Completed by Toxics:	1/28/26
HRA Tools Used:	Lakes-AERMOD (Version 4142)/HARP2 (22118)

The following estimated risks are valid only for the input data provided by the Project Engineer.

Estimated worker risk does not exceed the residential risk. Therefore, only residential risk is presented in the following results.

Estimated Risk Levels:

PMI Cancer Risk (Worker)	= 0.5 in one million
PMI Chronic Noncancer HHI (Worker)	= 1.19E-02
Acute Health Hazard Index (**PMI)	= 1.5E-04

**Point of Maximum Impact

Input Data Provided by Project Engineer:

Type of Source:	Soil Vapor Extraction Sub Slab
Controls Description:	None
T-BACT:	No

Worst-Case TAC Emissions Increase:

Emission Point 1:

Analyte	CAS	Max. Emissions 3 PTE (lbs/hour)	Max. Emissions 3 PTE (lbs/year)
cis-1,2-Dichloroethene	156592	5.43E-05	4.75E-01
Tetrachloroethene	127184	2.36E-03	2.07E+01
Toluene	108883	0.00E+00	0.00E+00
Trichloroethylene	79016	2.95E-04	2.58E+00
Trichlorofluoromethane (CFC-11)	75694	1.83E-04	1.60E+00
Dichlorodifluoromethane (F12)	75718	6.49E-05	5.69E-01
1,2,4-Trimethylbenzene	95636	0.00E+00	0.00E+00
chloromethane	74873	0.00E+00	0.00E+00

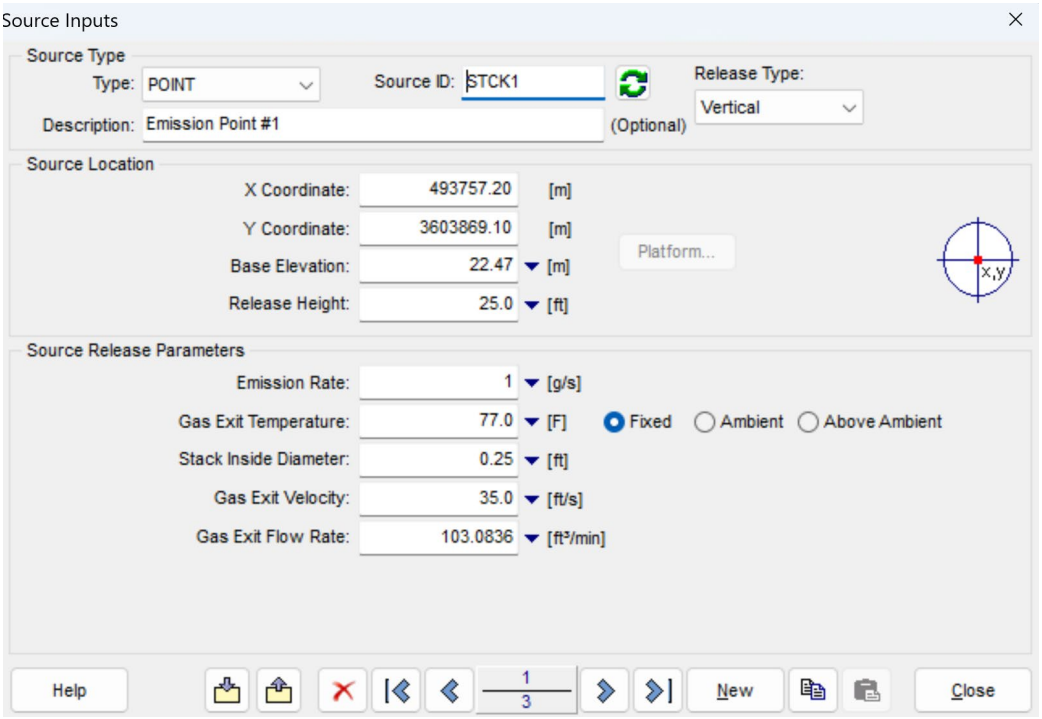
Emission Point 2:

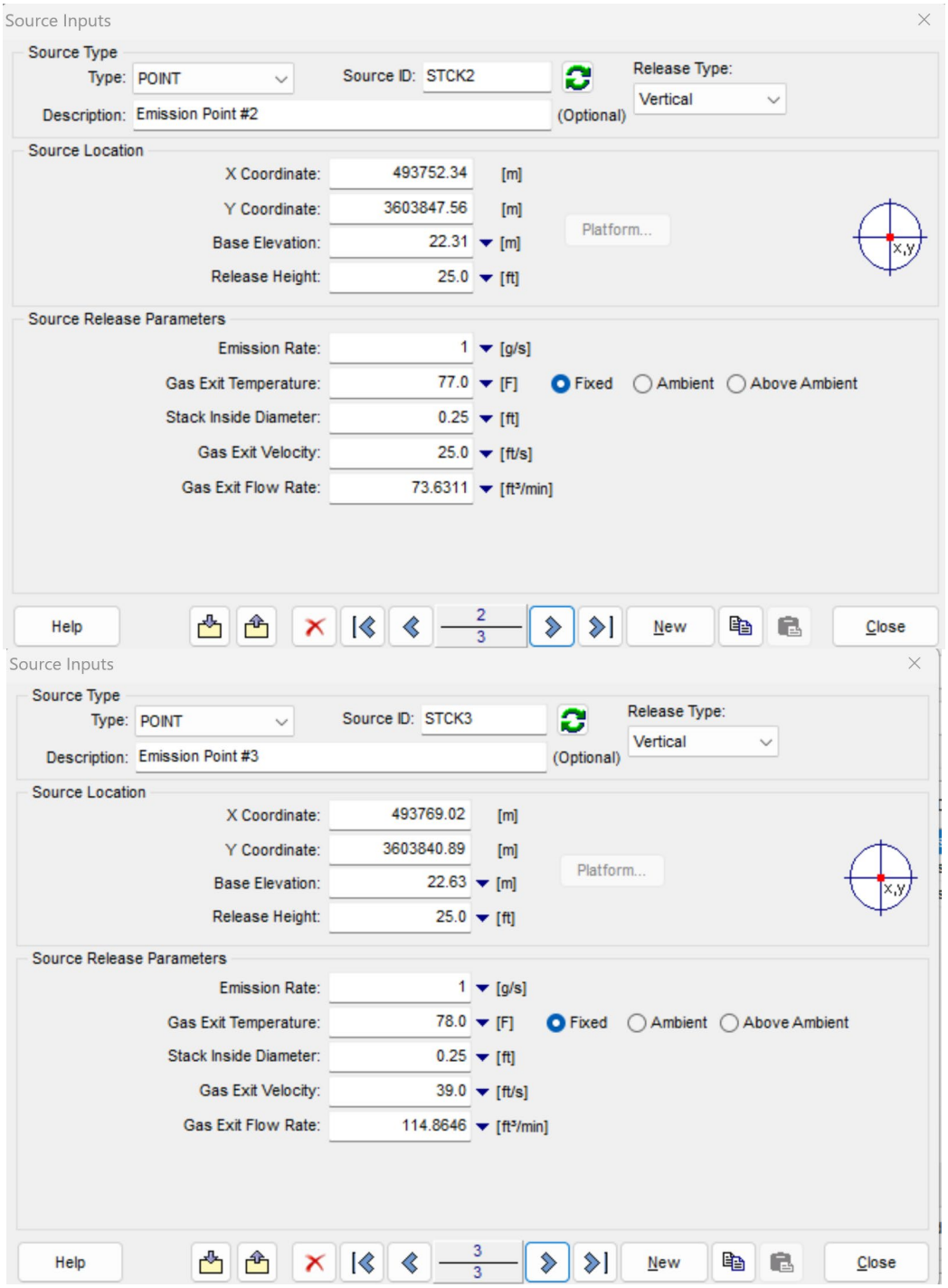
Analyte	CAS	Max. Emissions 3 PTE (lbs/hour)	Max. Emissions 3 PTE (lbs/year)
cis-1,2-Dichloroethene	156592	0.00E+00	0.00E+00
Tetrachloroethene	127184	0.00E+00	0.00E+00
Toluene	108883	1.60E-05	1.40E-01
Trichloroethylene	79016	3.12E-05	2.73E-01
Trichlorofluoromethane (CFC-11)	75694	0.00E+00	0.00E+00
Dichlorodifluoromethane (F12)	75718	0.00E+00	0.00E+00
1,2,4-Trimethylbenzene	95636	0.00E+00	0.00E+00
chloromethane	74873	8.85E-06	7.75E-02

Emission Point 3:

Analyte	CAS	Max. Emissions 3 PTE (lbs/hour)	Max. Emissions 3 PTE (lbs/year)
cis-1,2-Dichloroethene	156592	0.00E+00	0.00E+00
Tetrachloroethene	127184	1.05E-03	9.21E+00
Toluene	108883	0.00E+00	0.00E+00
Trichloroethylene	79016	0.00E+00	0.00E+00
Trichlorofluoromethane (CFC-11)	75694	8.55E-05	7.49E-01
Dichlorodifluoromethane (F12)	75718	0.00E+00	0.00E+00
1,2,4-Trimethylbenzene	95636	8.55E-05	7.49E-01
chloromethane	74873	0.00E+00	0.00E+00

Release Parameters:





Discussion

The HRA was conducted in accordance with EPA and OEHHA guidance and District standard procedures. A point source was modeled with refined air dispersion modeling using EPA's AERMOD model, AERMET (Version 16216) processed Perkins Elementary School 2010-2012 meteorology data with adjusted u*, AERMAP terrain

processing, and rural dispersion coefficients. Building downwash effects were calculated using the EPA BPIP-Prime model. The receptor grid was sufficiently dense to identify maximum impacts.

Since there is no school within a 1 in one million residential cancer risk isopleth if the annual emission of Perchloroethylene is limited to 19.3 lbs per year, a fraction of time (FAH) was applied to ages less than 16 years.

School Risk = (49.24 ug/m3 / 316.62 ug/m3) * 1.0 resident cancer risk = 0.156 assuming annual emission of Perchloroethylene is limited to 19.3 lbs per year

These risk results are based on the risk scenario calculations and health data at the time of the review, and should not be scaled with revised emissions rates without consulting with the Toxics Section.

- Residential cancer risks was calculated using the ARB Risk Management Policy (RMP) daily breathing rates (DBR) for inhalation-based residential cancer risk. For the 30-year exposure duration, use the 95th percentile DBR for age groups less than 2 years old (3rd trimester through age 2) and the 80th DBR for age groups greater than 2 years old. Reference the ARB/CAPCOA Risk Management Guidance Document, July 2015.


BLD_1, Tier 1
DLF De La Fuente Construction, Inc
Donate Construction
La Ranchera Corn Husk
Cancer PMI
STCK1
STCK2
STCK3
1425
BLD_2, Tier 1
BLD_5, Tier 1
JEL Construction, Inc
Beyer Deli Sandwich
0.06
0.08
0.09
0.10
0.15
0.17
0.16
0.27
0.36
0.44
0.24
0.19
0.26
0.25
0.42
0.23
0.51
0.47
0.11
0.14
0.32
0.22
0.33
0.20
0.21
0.12
0.10

Emission Calculations

Emission Point 1

Analyte	CAS	Max. Emissions 3 PTE (lbs/hour)	Max. Emissions 3 PTE (lbs/year)	Max. Emissions 3 PTE (tons/year)
cis-1,2-Dichloroethene	156592	5.43E-05	4.75E-01	2.38E-04
Tetrachloroethene	127184	2.36E-03	2.07E+01	1.03E-02
Toluene	108883	0.00E+00	0.00E+00	0.00E+00
Trichloroethylene	79016	2.95E-04	2.58E+00	1.29E-03
Trichlorofluoromethane (CFC-11)	75694	1.83E-04	1.60E+00	8.01E-04
Dichlorodifluoromethane (F12)	75718	6.49E-05	5.69E-01	2.84E-04
1,2,4-Trimethylbenzene	95636	0.00E+00	0.00E+00	0.00E+00
chloromethane	74873	0.00E+00	0.00E+00	0.00E+00
Total		**2.96E-03**	**2.59E+01**	**1.30E-02**

Emission Point 2

Analyte	CAS	Max. Emissions 3 PTE (lbs/hour)	Max. Emissions 3 PTE (lbs/year)	Max. Emissions 3 PTE (tons/year)
cis-1,2-Dichloroethene	156592	0.00E+00	0.00E+00	0.00E+00
Tetrachloroethene	127184	0.00E+00	0.00E+00	0.00E+00
Toluene	108883	1.60E-05	1.40E-01	7.01E-05
Trichloroethylene	79016	3.12E-05	2.73E-01	1.37E-04
Trichlorofluoromethane (CFC-11)	75694	0.00E+00	0.00E+00	0.00E+00
Dichlorodifluoromethane (F12)	75718	0.00E+00	0.00E+00	0.00E+00
1,2,4-Trimethylbenzene	95636	0.00E+00	0.00E+00	0.00E+00
chloromethane	74873	8.85E-06	7.75E-02	3.88E-05
Total		**4.72E-05**	**4.13E-01**	**2.07E-04**

Emission Point 3

Analyte	CAS	Max. Emissions 3 PTE (lbs/hour)	Max. Emissions 3 PTE (lbs/year)	Max. Emissions 3 PTE (tons/year)
cis-1,2-Dichloroethene	156592	0.00E+00	0.00E+00	0.00E+00
Tetrachloroethene	127184	1.05E-03	9.21E+00	4.61E-03
Toluene	108883	0.00E+00	0.00E+00	0.00E+00
Trichloroethylene	79016	0.00E+00	0.00E+00	0.00E+00
Trichlorofluoromethane (CFC-11)	75694	8.55E-05	7.49E-01	3.74E-04
Dichlorodifluoromethane (F12)	75718	0.00E+00	0.00E+00	0.00E+00
1,2,4-Trimethylbenzene	95636	8.55E-05	7.49E-01	3.74E-04
chloromethane	74873	0.00E+00	0.00E+00	0.00E+00
Total		**1.14E-03**	**9.96E+00**	**4.98E-03**

```
↑ *** AERMOD - VERSION 24142  ***   *** D:\Modeling Projects\8870_Hamann\8870_Hamann.isc
 ***        01/13/26
 *** AERMET - VERSION  24142 ***   ***
***        10:06:46

           PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - -
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      493757.200  3603869.100       22.470
** DESCRSRC Emission Point #1
   LOCATION STCK2        POINT      493752.338  3603847.560       22.310
** DESCRSRC Emission Point #2
   LOCATION STCK3        POINT      493769.020  3603840.890       22.630
** DESCRSRC Emission Point #3
** Source Parameters **
   SRCPARAM STCK1             1.0     7.620   298.150    10.668    0.0762
   SRCPARAM STCK2             1.0     7.620   298.150      7.62    0.0762
   SRCPARAM STCK3             1.0     7.620   298.706   11.8872    0.0762

** Building Downwash **
   BUILDHGT STCK1           7.62     7.62     7.62     6.10     6.10     6.10
   BUILDHGT STCK1           6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT STCK1           6.10     6.10     6.10     6.10     6.10     7.62
   BUILDHGT STCK1           7.62     7.62     7.62     7.62     7.62     7.62
   BUILDHGT STCK1           7.62     6.10     7.62     7.62     7.62     7.62
   BUILDHGT STCK1           7.62     7.62     7.62     6.10     6.10     7.62

   BUILDHGT STCK2           6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT STCK2           6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT STCK2           7.62     7.62     6.10     6.10     6.10     6.10
   BUILDHGT STCK2           7.62     7.62     7.62     7.62     7.62     7.62
   BUILDHGT STCK2           7.62     7.62     7.62     7.62     7.62     7.62
   BUILDHGT STCK2           7.62     7.62     6.10     6.10     6.10     6.10
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BUILDHGT STCK3	6.10	6.10	7.62	7.62	7.62	7.62
BUILDHGT STCK3	6.10	6.10	7.62	7.62	7.62	7.62
BUILDHGT STCK3	7.62	7.62	6.10	6.10	7.62	7.62
BUILDHGT STCK3	7.62	7.62	7.62	7.62	7.62	7.62
BUILDHGT STCK3	7.62	7.62	7.62	7.62	7.62	7.62
BUILDHGT STCK3	7.62	7.62	6.10	6.10	6.10	6.10
BUILDWID STCK1	69.48	68.06	64.57	99.40	102.81	103.09
BUILDWID STCK1	102.60	103.59	101.43	96.19	88.02	77.18
BUILDWID STCK1	64.00	48.87	32.25	25.20	42.22	68.79
BUILDWID STCK1	69.48	68.06	64.57	59.12	51.87	43.05
BUILDWID STCK1	37.86	103.59	104.22	99.34	91.44	80.77
BUILDWID STCK1	67.76	54.60	39.78	25.20	42.22	68.79
BUILDWID STCK2	71.94	83.73	92.98	99.40	102.81	103.09
BUILDWID STCK2	102.60	103.59	101.43	96.19	88.02	77.18
BUILDWID STCK2	67.76	54.60	32.25	25.20	42.22	57.96
BUILDWID STCK2	69.48	68.06	64.57	59.12	51.87	104.39
BUILDWID STCK2	104.43	105.93	104.22	99.34	91.44	80.77
BUILDWID STCK2	67.76	54.60	32.25	25.20	42.22	57.96
BUILDWID STCK3	71.94	83.73	96.76	102.44	105.01	104.39
BUILDWID STCK3	102.60	103.59	104.22	99.34	91.44	80.77
BUILDWID STCK3	67.76	54.60	32.25	25.20	66.13	68.79
BUILDWID STCK3	69.48	68.06	96.76	102.44	105.01	104.39
BUILDWID STCK3	104.43	105.93	104.22	99.34	91.44	80.77
BUILDWID STCK3	67.76	54.60	32.25	25.20	42.22	57.96
BUILDLEN STCK1	51.03	57.05	61.34	64.00	48.87	32.25
BUILDLEN STCK1	25.20	42.22	57.96	71.94	83.73	92.98
BUILDLEN STCK1	99.40	102.81	103.09	102.60	103.59	43.93
BUILDLEN STCK1	51.03	57.05	61.34	63.77	64.25	62.79
BUILDLEN STCK1	61.46	42.22	63.20	76.84	88.14	96.76
BUILDLEN STCK1	102.44	105.01	104.39	102.60	103.59	43.93
BUILDLEN STCK2	96.19	88.02	77.18	64.00	48.87	32.25
BUILDLEN STCK2	25.20	42.22	57.96	71.94	83.73	92.98
BUILDLEN STCK2	102.44	105.01	103.09	102.60	103.59	101.43

BUILDLEN	STCK2	51.03	57.05	61.34	63.77	64.25	39.78
BUILDLEN	STCK2	30.70	47.64	63.20	76.84	88.14	96.76
BUILDLEN	STCK2	102.44	105.01	103.09	102.60	103.59	101.43
BUILDLEN	STCK3	96.19	88.02	80.77	67.76	54.60	39.78
BUILDLEN	STCK3	25.20	42.22	63.20	76.83	88.14	96.76
BUILDLEN	STCK3	102.44	105.01	103.09	102.60	40.58	43.93
BUILDLEN	STCK3	51.03	57.05	80.77	67.76	54.60	39.78
BUILDLEN	STCK3	30.70	47.64	63.20	76.84	88.14	96.76
BUILDLEN	STCK3	102.44	105.01	103.09	102.60	103.59	101.43
XBADJ	STCK1	11.38	13.40	15.01	-41.45	-33.82	-25.17
XBADJ	STCK1	-20.68	-28.34	-35.15	-40.89	-45.38	-48.50
XBADJ	STCK1	-50.14	-50.26	-48.86	-46.99	-46.08	-52.95
XBADJ	STCK1	-62.41	-70.45	-76.35	-79.93	-81.08	-79.76
XBADJ	STCK1	-77.09	-13.88	-88.28	-102.67	-113.94	-121.75
XBADJ	STCK1	-125.86	-126.15	-122.60	-55.62	-57.51	9.02
XBADJ	STCK2	-33.98	-30.83	-26.73	-21.83	-16.26	-10.19
XBADJ	STCK2	-8.74	-19.82	-30.29	-39.84	-48.18	-55.06
XBADJ	STCK2	13.30	7.76	-65.08	-65.57	-66.45	-65.32
XBADJ	STCK2	-84.47	-92.36	-97.43	-99.55	-98.64	-57.20
XBADJ	STCK2	-63.90	-79.73	-93.14	-103.72	-111.14	-115.19
XBADJ	STCK2	-115.74	-112.77	-38.01	-37.04	-37.14	-36.11
XBADJ	STCK3	-30.31	-30.26	-35.58	-20.84	-7.38	6.31
XBADJ	STCK3	-22.14	-35.09	13.26	9.30	5.05	0.65
XBADJ	STCK3	-3.77	-8.07	-79.20	-77.54	-76.80	-81.16
XBADJ	STCK3	-88.14	-92.92	-45.19	-46.92	-47.22	-46.09
XBADJ	STCK3	-50.51	-64.46	-76.46	-86.13	-93.19	-97.41
XBADJ	STCK3	-98.68	-96.94	-23.89	-25.07	-27.67	-29.44
YBADJ	STCK1	-28.02	-19.88	-11.13	0.44	-1.14	-2.69
YBADJ	STCK1	-4.31	-5.71	-6.94	-7.95	-8.72	-9.23
YBADJ	STCK1	-9.45	-9.39	-9.04	-8.08	-7.23	35.30
YBADJ	STCK1	28.02	19.88	11.13	2.05	-7.09	-16.02
YBADJ	STCK1	-22.49	5.71	48.14	37.69	26.10	13.72
YBADJ	STCK1	0.97	-10.84	-22.33	8.08	7.23	-35.30

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   YBADJ    STCK2            3.87     6.32     8.57    10.56    12.24    13.54
   YBADJ    STCK2           14.26    14.66    14.61    14.11    13.18    11.86
   YBADJ    STCK2           18.65    28.41     5.93     3.86     1.29    -1.31
   YBADJ    STCK2           29.06    17.08     4.57    -8.07   -20.47    54.18
   YBADJ    STCK2           45.79    36.76    26.60    15.64     4.20    -7.37
   YBADJ    STCK2          -18.65   -28.41    -5.93    -3.86    -1.29     1.31

   YBADJ    STCK3           21.46    24.27   -49.03   -47.46   -44.44   -40.07
   YBADJ    STCK3           26.24    24.12   -19.93   -11.96    -3.63     4.81
   YBADJ    STCK3           13.04    19.92    -5.18    -9.54    34.72    23.48
   YBADJ    STCK3           11.48    -0.88    49.03    47.46    44.44    40.07
   YBADJ    STCK3           33.82    27.29    19.93    11.96     3.63    -4.81
   YBADJ    STCK3          -13.04   -19.92     5.18     9.54    13.98    17.99

   URBANSRC ALL
   SRCGROUP STCK1    STCK1
   SRCGROUP STCK2    STCK2
   SRCGROUP STCK3    STCK3
   SRCGROUP ALL
SO FINISHED
**
 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for     3 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =    329640.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
```

```
     * NOTURBST - Meteorological data Ignore turbulence - stable hours
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: OTHER

 **Model Calculates  1 Short Term Average(s) of:   1-HR
    and Calculates PERIOD Averages

 **This Run Includes:      3 Source(s);       4 Source Group(s); and   40429 Receptor(s)

               with:       3 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                and:       0 VOLUME source(s)
                and:       0 AREA type source(s)
                and:       0 LINE source(s)
                and:       0 RLINE/RLINEXT source(s)
                and:       0 OPENPIT source(s)
                and:       0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:       0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  24142

 **Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    53.00 ;  Decay Coef. =    0.000     ;
Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =
 0.10000E+07
                  Output Units   = MICROGRAMS/M**3
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 **Approximate Storage Requirements of Model =     13.4 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   8870_Hamann.err

 **File for Summary of Results:   8870_Hamann.sum

↑ *** AERMOD - VERSION 24142  ***   *** D:\Modeling Projects\8870_Hamann\8870_Hamann.isc
 ***        01/13/26
 *** AERMET - VERSION  24142 ***   ***
***        10:06:46

           PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                            *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                              (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: C:\Users\breeve\OneDrive - County of San Diego\Meteorology Documents\AERMET File Met Version: 24142
Profile file: C:\Users\breeve\OneDrive - County of San Diego\Meteorology Documents\AERMET File
Surface format: FREE

Profile format: FREE

Surface station no.: 23188 Upper air station no.: 3190
Name: SAN_DIEGO/LINDBERGH_FIELD Name: UNKNOWN

Year: 2018 Year: 2018

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
18	01	01	1	01	-0.9	0.032	-9.000	-9.000	-999.	13.	3.2	0.18	0.94	1.00	0.63	99.	10.0	282.8	10.0
18	01	01	1	02	-1.4	0.040	-9.000	-9.000	-999.	19.	4.1	0.18	0.94	1.00	0.80	103.	10.0		

```
282.9   10.0
 18 01 01   1 03   -2.4  0.052 -9.000 -9.000 -999.   28.      5.3  0.18   0.94   1.00    1.03  101.   10.0
282.1   10.0
 18 01 01   1 04   -1.6  0.043 -9.000 -9.000 -999.   21.      4.4  0.18   0.94   1.00    0.85  112.   10.0
281.8   10.0
 18 01 01   1 05   -0.7  0.033 -9.000 -9.000 -999.   15.      4.7  0.18   0.94   1.00    0.67   69.   10.0
281.0   10.0
 18 01 01   1 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.13   0.94   1.00    0.00    0.   10.0
281.0   10.0
 18 01 01   1 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.13   0.94   1.00    0.00    0.   10.0
280.3   10.0
 18 01 01   1 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.13   0.94   0.48    0.00    0.   10.0
280.8   10.0
 18 01 01   1 09    5.1 -9.000 -9.000 -9.000   18. -999. -99999.0  0.13   0.94   0.29    0.00    0.   10.0
283.0   10.0
 18 01 01   1 10   17.7  0.110  0.279  0.019   44.   88.     -6.8  0.13   0.94   0.22    0.85  356.   10.0
285.8   10.0
 18 01 01   1 11   97.7  0.150  0.772  0.015  170.  140.     -3.1  0.12   0.94   0.20    1.03  292.   10.0
288.5   10.0
 18 01 01   1 12  110.0  0.204  0.927  0.013  263.  220.     -6.9  0.15   0.94   0.19    1.52  269.   10.0
289.8   10.0
 18 01 01   1 13  108.3  0.236  0.989  0.011  323.  275.    -10.9  0.15   0.94   0.19    1.88  254.   10.0
290.5   10.0
 18 01 01   1 14   92.9  0.240  0.996  0.009  384.  282.    -13.4  0.15   0.94   0.20    1.97  261.   10.0
291.0   10.0
 18 01 01   1 15   64.2  0.256  0.923  0.008  442.  310.    -23.5  0.15   0.94   0.23    2.24  259.   10.0
290.8   10.0
 18 01 01   1 16   20.0  0.212  0.633  0.008  456.  235.    -42.9  0.15   0.94   0.32    1.97  262.   10.0
289.5   10.0
 18 01 01   1 17   -2.5  0.059 -9.000 -9.000 -999.   67.      7.4  0.15   0.94   0.59    1.25  245.   10.0
289.0   10.0
 18 01 01   1 18   -0.7  0.029 -9.000 -9.000 -999.   14.      3.2  0.13   0.94   1.00    0.63  212.   10.0
287.8   10.0
 18 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.13   0.94   1.00    0.00    0.   10.0
287.0   10.0
 18 01 01   1 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.13   0.94   1.00    0.00    0.   10.0
286.5   10.0
 18 01 01   1 21   -0.7  0.029 -9.000 -9.000 -999.   12.      3.1  0.09   0.94   1.00    0.67  120.   10.0
286.2   10.0
```

```
 18 01 01   1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.13   0.94   1.00    0.00    0.   10.0
286.2   10.0
 18 01 01   1 23   -1.8  0.054 -9.000 -9.000 -999.   30.      7.6  0.18   0.94   1.00    1.07  101.   10.0
286.1   10.0
 18 01 01   1 24   -2.1  0.058 -9.000 -9.000 -999.   34.      8.3  0.18   0.94   1.00    1.16  101.   10.0
285.9   10.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 18 01 01 01   10.0 1   99.    0.63   282.9   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 24142  ***   *** D:\Modeling Projects\8870_Hamann\8870_Hamann.isc
 ***        01/13/26
 *** AERMET - VERSION  24142 ***   ***
***        10:06:46

           PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                      *** THE SUMMARY OF MAXIMUM PERIOD ( 26304 HRS) RESULTS ***


                                    ** CONC OF OTHER    IN MICROGRAMS/M**3                          **


 NETWORK
GROUP ID                        AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE
 GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - -

STCK1     1ST HIGHEST VALUE IS    1340.86394 AT (  493758.56,  3603870.15,    22.63,    23.37,    0.00)  DC

          2ND HIGHEST VALUE IS    1217.71860 AT (  493760.55,  3603865.59,    22.65,    22.65,    0.00)  DC

          3RD HIGHEST VALUE IS    1144.56441 AT (  493774.00,  3603878.00,    23.63,    23.63,    0.00)  DC
```

	4TH HIGHEST VALUE IS	1086.94839	AT (	493756.58,	3603874.72,	22.46,	23.37,	0.00)	DC
	5TH HIGHEST VALUE IS	934.54758	AT (	493759.00,	3603878.00,	22.77,	22.77,	0.00)	DC
	6TH HIGHEST VALUE IS	921.98279	AT (	493789.00,	3603878.00,	24.07,	24.07,	0.00)	DC
	7TH HIGHEST VALUE IS	850.50552	AT (	493762.53,	3603861.02,	22.55,	22.55,	0.00)	DC
	8TH HIGHEST VALUE IS	813.29526	AT (	493774.00,	3603863.00,	23.48,	23.48,	0.00)	DC
	9TH HIGHEST VALUE IS	675.20833	AT (	493754.59,	3603879.29,	22.39,	22.39,	0.00)	DC
	10TH HIGHEST VALUE IS	664.63815	AT (	493789.00,	3603863.00,	23.91,	23.91,	0.00)	DC
STCK2	1ST HIGHEST VALUE IS	1761.13388	AT (	493766.51,	3603851.88,	22.72,	23.49,	0.00)	DC
	2ND HIGHEST VALUE IS	1590.73089	AT (	493768.49,	3603847.32,	22.81,	23.49,	0.00)	DC
	3RD HIGHEST VALUE IS	1557.38145	AT (	493764.52,	3603856.45,	22.55,	22.55,	0.00)	DC
	4TH HIGHEST VALUE IS	1503.26497	AT (	493774.00,	3603848.00,	23.31,	23.31,	0.00)	DC
	5TH HIGHEST VALUE IS	1221.44853	AT (	493770.48,	3603842.75,	22.77,	22.77,	0.00)	DC
	6TH HIGHEST VALUE IS	1205.44004	AT (	493774.00,	3603863.00,	23.48,	23.48,	0.00)	DC
	7TH HIGHEST VALUE IS	1170.10605	AT (	493789.00,	3603863.00,	23.91,	23.91,	0.00)	DC
	8TH HIGHEST VALUE IS	1107.94551	AT (	493762.53,	3603861.02,	22.55,	22.55,	0.00)	DC
	9TH HIGHEST VALUE IS	984.70231	AT (	493789.00,	3603848.00,	23.98,	23.98,	0.00)	DC
	10TH HIGHEST VALUE IS	869.24554	AT (	493772.47,	3603838.18,	22.75,	22.75,	0.00)	DC
STCK3	1ST HIGHEST VALUE IS	435.47702	AT (	493770.48,	3603842.75,	22.77,	22.77,	0.00)	DC
	2ND HIGHEST VALUE IS	424.07464	AT (	493772.47,	3603838.18,	22.75,	22.75,	0.00)	DC

	3RD HIGHEST VALUE IS	409.83899	AT (	493789.00,	3603848.00,	23.98,	23.98,	0.00)	DC
	4TH HIGHEST VALUE IS	386.20336	AT (	493804.00,	3603848.00,	24.64,	24.64,	0.00)	DC
	5TH HIGHEST VALUE IS	345.45859	AT (	493774.00,	3603848.00,	23.31,	23.31,	0.00)	DC
	6TH HIGHEST VALUE IS	329.97434	AT (	493819.00,	3603848.00,	25.04,	25.04,	0.00)	DC
	7TH HIGHEST VALUE IS	325.17202	AT (	493819.00,	3603863.00,	24.81,	24.81,	0.00)	DC
	8TH HIGHEST VALUE IS	321.57068	AT (	493768.49,	3603847.32,	22.81,	23.49,	0.00)	DC
	9TH HIGHEST VALUE IS	306.05767	AT (	493774.45,	3603833.61,	22.87,	23.70,	0.00)	DC
	10TH HIGHEST VALUE IS	290.71367	AT (	493834.00,	3603863.00,	25.51,	25.51,	0.00)	DC
ALL	1ST HIGHEST VALUE IS	2285.02926	AT (	493766.51,	3603851.88,	22.72,	23.49,	0.00)	DC
	2ND HIGHEST VALUE IS	2196.11651	AT (	493764.52,	3603856.45,	22.55,	22.55,	0.00)	DC
	3RD HIGHEST VALUE IS	2166.26973	AT (	493768.49,	3603847.32,	22.81,	23.49,	0.00)	DC
	4TH HIGHEST VALUE IS	2147.40678	AT (	493774.00,	3603863.00,	23.48,	23.48,	0.00)	DC
	5TH HIGHEST VALUE IS	2126.09905	AT (	493774.00,	3603848.00,	23.31,	23.31,	0.00)	DC
	6TH HIGHEST VALUE IS	2068.84825	AT (	493762.53,	3603861.02,	22.55,	22.55,	0.00)	DC
	7TH HIGHEST VALUE IS	2049.49383	AT (	493760.55,	3603865.59,	22.65,	22.65,	0.00)	DC
	8TH HIGHEST VALUE IS	1985.48937	AT (	493789.00,	3603863.00,	23.91,	23.91,	0.00)	DC
	9TH HIGHEST VALUE IS	1958.19361	AT (	493758.56,	3603870.15,	22.63,	23.37,	0.00)	DC
	10TH HIGHEST VALUE IS	1882.57449	AT (	493770.48,	3603842.75,	22.77,	22.77,	0.00)	DC

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER   IN MICROGRAMS/M**3   **

GROUP ID	NETWORK OF TYPE	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	GRID-ID
STCK1	HIGH 1ST HIGH VALUE IS	8757.61728	ON 18080706:	AT (493729.00, 3603863.00, 21.52, 21.52, 0.00)	DC
STCK2	HIGH 1ST HIGH VALUE IS	14611.44469	ON 19092706:	AT (493766.51, 3603851.88, 22.72, 23.49, 0.00)	DC
STCK3	HIGH 1ST HIGH VALUE IS	7217.56956	ON 18110210:	AT (493770.48, 3603842.75, 22.77, 22.77, 0.00)	DC
ALL	HIGH 1ST HIGH VALUE IS	14960.40718	ON 19092706:	AT (493766.51, 3603851.88, 22.72, 23.49, 0.00)	DC

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of   0 Fatal Error Message(s)
 A Total of   10 Warning Message(s)
 A Total of   15252 Informational Message(s)

 A Total of   26304 Hours Were Processed

 A Total of   2838 Calm Hours Identified

 A Total of   314 Missing Hours Identified (1.19 Percent)

    ******** FATAL ERROR MESSAGES ********
               *** NONE ***

    ********   WARNING MESSAGES   ********
 MX W403   182   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
 MX W403   1   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
 MX W403   2   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
 MX W403   3   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
 MX W403   4   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
 MX W403   5   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
 MX W403   6   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
 MX W403   7   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data

```
MX W403       8       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
MX W403       9       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
```

HARP2 - HRACalc (dated 22118) 1/28/2026 11:45:22 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 25

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False

Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.
Worker adjustments factors enabled: YES
GLC adjustment factor: 1
Exposure frequency: 250

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

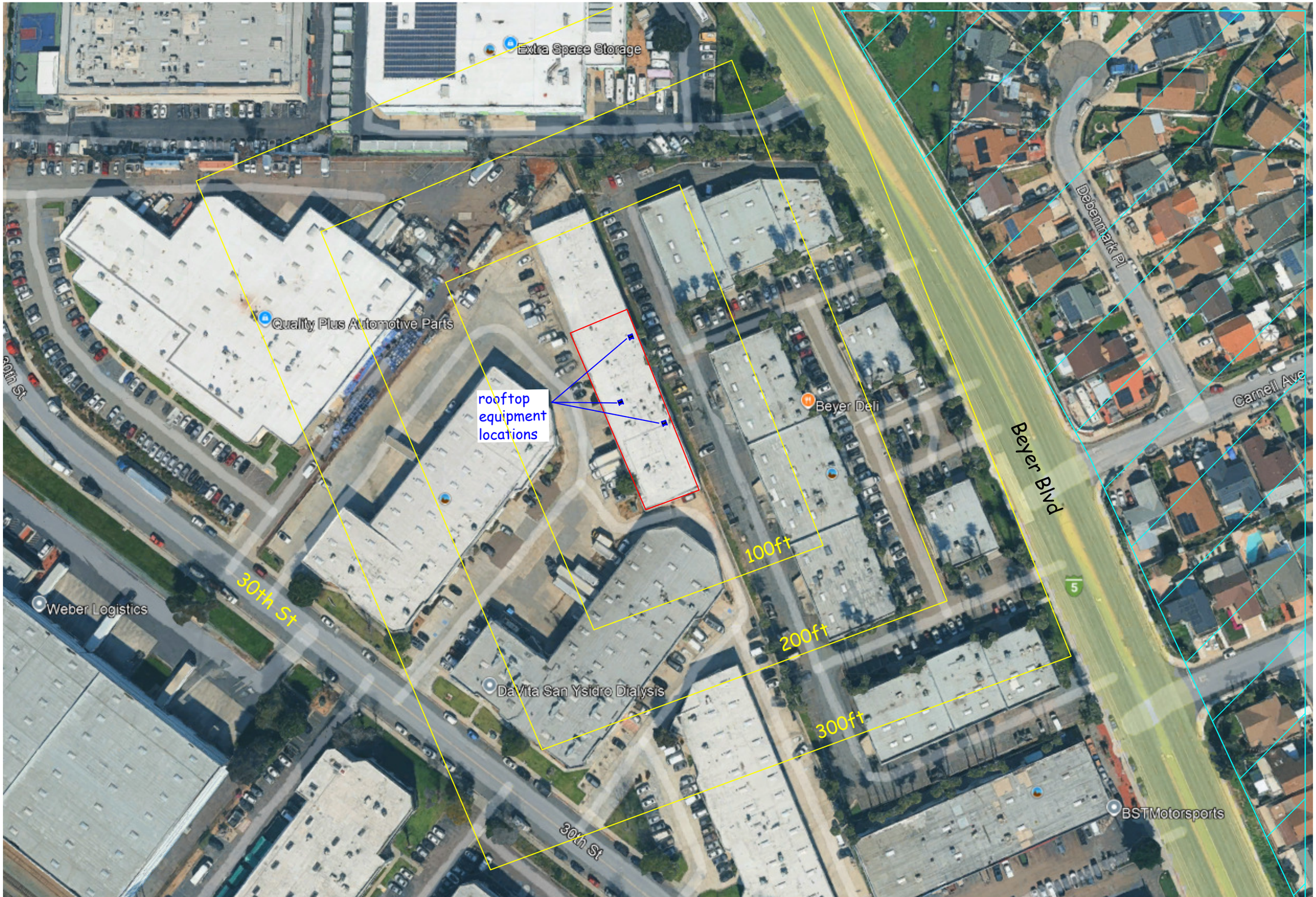
Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
TIER 2 SETTINGS
Tier2 not used.

```
********************************

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\Users\abernabe\Desktop\8870 Hamann\Risk\8870
HAMANN\hra\WorkerCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\abernabe\Desktop\8870 Hamann\Risk\8870
HAMANN\hra\WorkerCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\Users\abernabe\Desktop\8870 Hamann\Risk\8870
HAMANN\hra\WorkerNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\abernabe\Desktop\8870 Hamann\Risk\8870
HAMANN\hra\WorkerNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: C:\Users\abernabe\Desktop\8870 Hamann\Risk\8870
HAMANN\hra\WorkerNCAcuteRisk.csv
Acute risk total by receptor saved to: C:\Users\abernabe\Desktop\8870 Hamann\Risk\8870
HAMANN\hra\WorkerNCAcuteRiskSumByRec.csv
HRA ran successfully
```

Location of equipment, boundaries and nearby public streets, commercial, industrial, or residential areas, in support of AQMD Permit application for sub-slab-depressurization system, 1425 30th St., San Diego



N

scale 1in = 100ft
for 11x17, landscape;
base is 1985 Google Aerial

notes:

Site shown in red, distance-radii in yellow.

All areas shown are commercial/ industrial, except for residential area shown with blue hatching.

Mapping software often confuses this site with another, several miles to the northwest.

Marc Boogay
Consulting Engineer,
Nov. 7, 2025

SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT

APPLICATION FEE ESTIMATE

Please complete ALL highlighted fields in the upper section

Applicant Site ID/EIF ID:	SD COUNTY - CASE #: H39787-001	Reason for Submittal:	1.a. New Installation
Equipment Type:	[52B] Soil Remediation Equipment - On-site (In situ Only) (SUBSLAB DEPRESSURIZATION)		
Applicant DBA:	Hamann Property Management	Existing Site?	No
Affected Permit Number:	Enter existing affected PTO No. if applicable	Estimate Date:	9/1/2025
Equipment Description:	Installing new equipment that does not currently have a permit. New SVE or Sub Slab Depressurization system		

Special Considerations

Oustanding operating fees may be owed	Yes	Number of Units (for equipment types indicated as "each")	1
		Request Split Payment	No
Application is a modification/condition change which does not substantially alter equipment or emissions			Yes
HRA Fee not applicable because paid with another application, or application does not increase TACs?			No

APCD Use Only Ref. No. _____ Outstanding Fee Balance _____

ACTIVITY	FEE CLASSIFICATION	QUANTITY	UNIT COST	SUBTOTAL	TRUST (APCD USE)
Initial Evaluation Fee					
Base Engineering Evaluation	T&M Engineering Services	16.0	$318.00	$5,088.00	ETM
	Fixed Fee	N/A	N/A		EFX
Additional Evaluation and Processing Fees (Rule 40(d)(5))					
New Source Review	T&M Engineering Services				NSR
	T&M Monitoring Services				AQI
Toxics New Source Review (Health Risk Assessment)	HRA Base Estimate (Engineering & Monitoring Services)	1.0	$3,188.00	$3,188	TNS
NESHAPS/ATCM/NSPS	T&M Engineering Services				HAP
CEQA	T&M Engineering Services				CEQ
Source Testing	Fixed Fee/T&M Monitoring Services				STF
Miscellaneous Fees					
Processing Fee (Rule 40(d)(1)(ii))		1.0	$150	$150.00	EFX/ETM
Annual Operating Fee (Rule 40(e)(2)(ii))		1.0	$1,046	$1,046.00	REN
Emissions Fee (Rule 40(e)(2)(iv))		1.0	$116	$116.00	EMF
Split Payment Fee					

NOTES:

ESTIMATE TOTAL:	$9,588.00
SPLIT PAYMENT 1	
SPLIT PAYMENT 2	

(1) This document must be submitted with your application forms and is subject to review by District staff for accuracy.

(2) The fees contained in this estimate are are based on APCD Rule 40. Final fee may be more or less than this estimate (see Rule 40(d)(1)(iii)).

(3) Emissions determined to be greater than 5 tons per year will be charged a emission fee on a ton per year basis. (see Rule 40 (e)(2)(iv)(A))

(4) Fees paid by credit card will be assessed a 2.19% processing fee (see Rule 40(c)(5))

(5) Federal government payments made through DFAS: Please reference the above liste Site ID Record number in your DFAS submittal.

(6) Fees are typically revised on annual basis. This estimate is valid only for applications received prior to any revisions, anticipated to be June 30, 2026.

Submittal of this application does not grant permission to construct or to operate equipment except as specified in Rule 24(c).

REASON FOR SUBMITTAL OF APPLICATION:

1. New Equipment/Permit	2. Modification to Permit or Application	3. Other
■ a. New Installation	☐ a. Equipment Modification/Replacement	☐ a. Change of Ownership
b. Existing Unpermitted	☐ b. Like Kind Replacement	☐ b. Title V
■ i. Equipment Already Installed	☐ c. Change to Permit Conditions	☐ c. Risk Reduction Plan
☐ ii. Loss of Exemption	☐ d. Amend Open Application	☐ d. Emission Reduction Credits
☐ iii. Re-permitting	☐ e. Change of Location	☐ e. Other (please describe)
	f. Change Permit Status (☐ Activate ☐ Inactivate)	_____

List affected APP/PTO Record ID(s): _____ _____ _____

APPLICANT INFORMATION

Name of Business (DBA) Hamann Property Management

Name of Legal Owner (if different from DBA) _____

Does this organization or related organization (common ownership or hired contactor/rental company) own or operate any other APCD permitted equipment **at this location or any adjacent locations**? ☐ Yes ■ No

If yes, list assigned **Site Record IDs** (listed on your Permits) _____ (This Location) _____ (Adj. Location(s)) _____

If yes, list Related Organization Name(s) (If applicable) _____

Equipment Owner	**Equipment Location**
Org. Name: Hamann Property Management	Name:
Contact Name: Brendan Thiessen	Contact Name:
Title: Manager	Title:
Mailing Address: 1000 Pioneer Way	Mailing Address: 1425 30th Street
City: State: Zip:	City: State: Zip:
Phone: 619.440.7424	Phone:
E-Mail Address: brendan@hamannco.com	E-Mail Address:

Permit To Operate Mailing Address	**Authority to Construct Mailing Address**
Equipment Owner same	Equipment Location same
Org. Name:	Name:
Contact Name:	Contact Name:
Title:	Title:
Mailing Address:	Mailing Address:
City: State: Zip:	City: State: Zip:
Phone:	Phone:
E-Mail Address:	E-Mail Address:

Invoice Mailing Address	**Responsible Official (Title V Only)**
Org. Name: same	Name: same
Contact Name:	Contact Name:
Title:	Title:
Mailing Address:	Mailing Address:
City: State: Zip:	City: State: Zip:
Phone:	Phone:
E-Mail Address:	E-Mail Address:

☐ I request to please update all APCD records at this location with these contacts

If you wish to link your application form to an existing online account, list user account on following line. If you do not have an account, you must create one first and then request to link the account. _____

EQUIPMENT/PROCESS INFORMATION (ALL FIELDS REQUIRED):

Type of Equipment: ■ Stationary ☐ Portable. *If portable, please enter storage location as equipment address above.*
If portable, will operation exceed 12 consecutive months at the same location ☐ Yes ☐ No
General Description of Equipment/Process sub-slab depressurization system to re-direct soil-vapor (from prior dry-cleaning), protecting occupied spaces

MILITARY BASE INFORMATION:

If this equipment will be located at a Military base/facility, please complete the following additional information.
Name of Base _____ Functional Group Identifier_____
Base Contact: Name_____ Phone_____ Email_____
New SITE ID Requested?* ☐ Yes Justification_____
If payment was made through a wire transfer, please upload documents to PIEE. It is the responsibility of the applicant to ensure that payment information is communicated to SDAPCD to avoid delays in application processing.
*For most applications, you must use an existing SITE ID, which should be listed on the previous page. New SITE IDs may only be requested in certain circumstances.

PAYMENT INFORMATION AND EXPEDITED PROCESSING REQUESTS:

Each permit application is required to contain applicable fees in accordance with District Rule 40. **Fees for your application can be calculated using the fee estimate form on the District's website, and the form must be submitted with this application.** Please use this section to indicate how intend to pay for the application and refer to the instructions section of this form for additional guidance.
Please Indicate how fees will be paid:
☐ Check (Included w/ Application) ■ Check (Sent Separately)
☐ Credit Card ☐ Wire Transfer (Government Only, please upload documents to PIEE)
Credit Card payments can be made in person at the District's office or by calling the District's accounting division at (858)586-2600 after submitting this application. Please see the Payment Information instruction section of this form for additional information.

■ **I hereby request Expedited Application Processing and understand I will pay additional costs as stated in Rule 40 and the instructions of this form.**

TRADE SECRET DESIGNATION & CERTIFICATION

☐ **This application contains trade secret or confidential information** *(see instructions)*

I hereby certify as the owner and/or designated agent that all information provided on this application is true and correct. I have read and understand all instructions on this form related to indemnification and payment. I also understand that review of this application may be subject to applicable provisions of the California Environmental Quality Act (CEQA) as a project.

Print Name Marc Boogay, PE Date October 2, 2025
Title & Company Name Marc Boogay consulting Engineer
Phone: (760) 212 - 0012 E-mail Address marc@boogay.com
Application Submitted by: ☐ Owner ☐ Operator ☐ Contractor ■ Consultant Affiliation_____

APPLICATION FORM CHECKLIST

Standard applications should contain the following forms and attachments to ensure your application is complete and can be processed immediately:
(1) ■ **General Application Form (Required)**
(2) ■ **Supplemental Application Form and Attachments (Required)**
(3) ■ **CEQA Information Form (Required)**
(4) ■ **Fee Estimate Form & Payment (Required)**
The following information may be required based on the application type and specifics:
(5) ☐ Proof of Ownership/Sale Documents (Ownership Changes Only)
(6) ☐ Rule 1200 Form (for applications that increase TAC emissions)
(7) ☐ Like Kind Replacement Form
(8) ☐ Title V Supplemental Forms **Note: Title V applications are processed separately and require a second fee/application**

SAN DIEGO AIR POLLUTION CONTROL DISTRICT

SUPPLEMENTAL APPLICATION INFORMATION
RULE 1200 TOXICS EVALUATION

San Diego APCD Use Only
Appl. No.:
ID No.:

(ALL REQUESTED INFORMATION IS IMPORTANT - PLEASE COMPLETE FULLY)

FACILITY NAME: _____

RELEASE POINT DATA (Examples of commonly encountered release points: the tip of an exhaust stack, a roof vent, an open window, an outdoor area or volume)

How are the emissions from this device released into the outdoor air? Check One

☒ Exhaust Stack or Duct ☐ Unducted Vent ☐ Released Through Windows or Doors

☐ Undirected Emissions (Anything other than the above categories)

If emissions are from a stack or a duct, check off the direction of flow. ☐ Vertical (Up)

☐ Horizontal ☐ Other (**Describe**): inverted U-pipe

If there is an obstruction to vertical flow, is the obstruction a: ☐ Rain Cap

☐ Flapper-Type Valve (Open when there is flow) ☐ Other (**Describe**): _____

Volume Source: If emissions are from a volume source, describe how the emitted gases, vapors, and/or particles get into the air and either the size of the opening (example - 3 ft x 4 ft window) that results in release or the approximate size of the release zone (example - paint spraying, 2' x 2' x 2' bread boxes): _____

_____

_____

Lateral dimension (ft): _____ Vertical dimension (ft): _____

Please provide the following **STACK** or **RELEASE POINT** information (where applicable):

Parameter	Emission Point #1	Emission Point #2	Emission Point #3
Height of release above ground (ft)	25	25	25
Stack Diameter (ft)	0.25	0.25	0.25
Exhaust Gas Temperature* (°F)	77	77	78
Exhaust Gas Flow (acfm or fps)	35fps	25fps	39
Distance to Property Line (+/- 10 ft)	10	40	10

* Use "70 °F" or "Ambient" if unknown

FACILITY SITE MAP, PLOT PLAN, and RELEASE POINT INFORMATION

Please provide a map showing the geographic location of your facility.

Please also provide a **facility plot plan** showing the location of emission release point(s) at the facility, property lines, and the location (include approximate distance) and dimensions of buildings (estimated height, width, and length) closer than 100 ft from the release point.

Where is the subject release point located with respect to onsite buildings? Check Any Applicable

■ On top of a building: Building Height 22 ft Width 0.25 ft Length 3 ft

☐ On the side of a building: Diameter of Opening _____ft or Size of Opening _____ft X _____ft

☐ Adjacent to a building: Building Height _____ft Width _____ft Length _____ft

CEQA Supplemental Form

Under State law, the San Diego County Air Pollution Control District (SDAPCD) is required to demonstrate compliance with the California Environmental Quality Act (CEQA) before issuing permits for discretionary projects. For detailed guidance on how SDAPCD evaluates discretionary projects under CEQA, please refer to the SDAPCD CEQA Guidelines[1]. This form is designed to help SDAPCD collect the information needed to verify compliance with CEQA requirements. Please note:

- Required CEQA evaluations conducted by SDAPCD are subject to fees outlined in **SDAPCD Rule 40**.
- A permit application may be deemed incomplete pursuant to **SDAPCD Rule 18** if this form is not fully completed.

If you need assistance, please contact our Engineering Division at **(858) 586-2600** or **apcdengineering@sdapcd.org**.

Section A. Facility Information

Facility Name: 1425 30th St., San Diego	**SDAPCD Site ID:**
Facility Address: 1425 30th St., San Diego	
Project Description: *(If part of a larger project, describe the larger project)*	sub-slab depressurization system to re-direct soil-vapor (from prior dry-cleaning), protecting occupied spaces

Section B: Discretionary Project

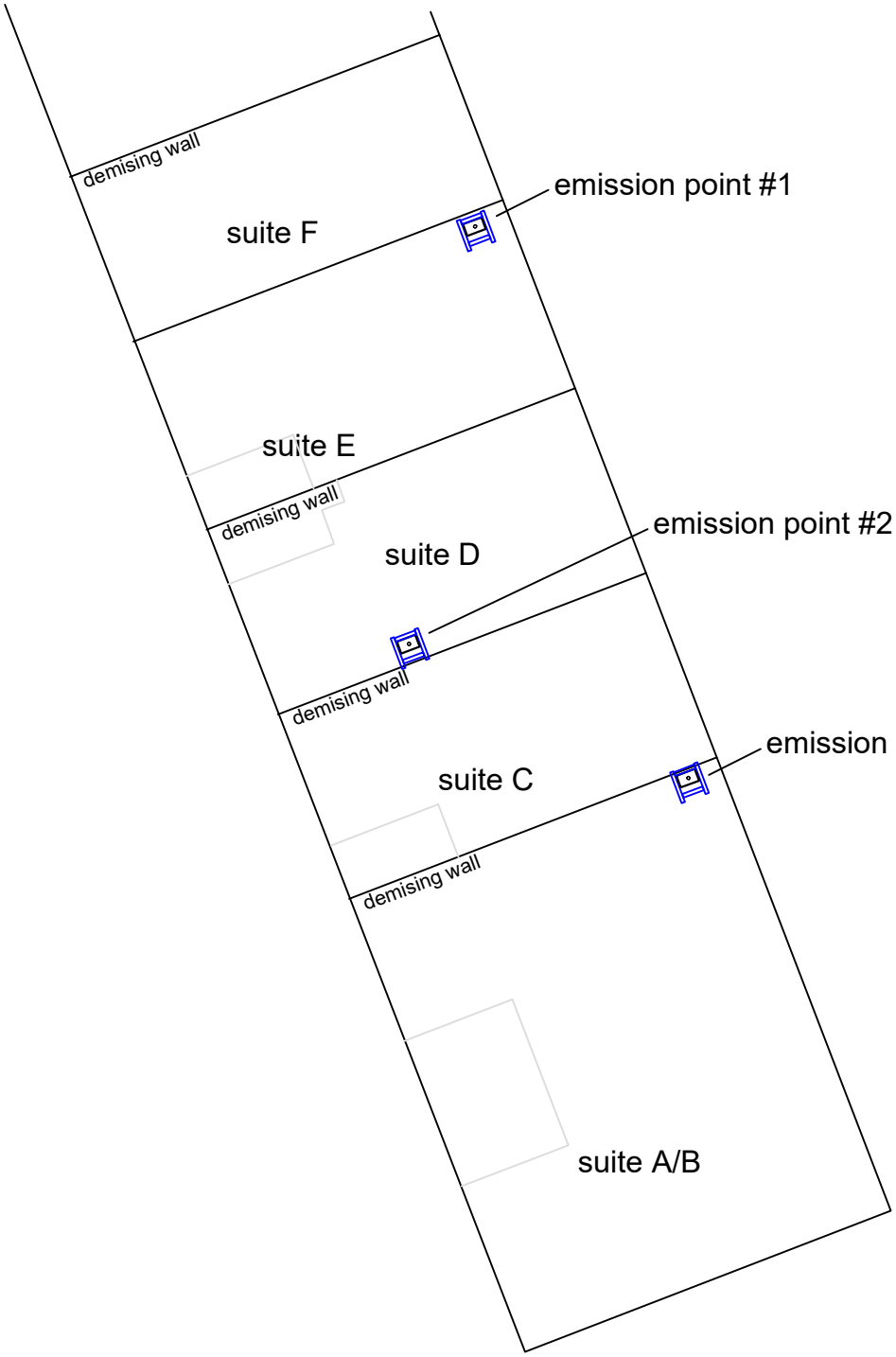
		Yes	No
1	Is the project subject to any of the following applicable requirements: (if unknown leave blank) a. Best Available Control Technology (BACT), as defined by SDAPCD Rule 20.1; b. Lowest Achievable Emission Rate (LAER) as defined by SDAPCD Rule 20.1; c. Toxics Best Available Control Technology (T-BACT), as defined by SDAPCD Rule 1200; or, d. SDAPCD Rule 1210(e), which are permit actions to incorporate enforceable permit conditions for any physical or operational changes or control measures at a stationary source that reduce or eliminate toxic air contaminant emissions and associated health risks.	☐	☐
2	Has another agency prepared or is preparing, as a Lead Agency, a CEQA document including an Environmental Impact Report (EIR), a Mitigated Negative Declaration (MND), Negative Declaration (ND), or Notice of Exemption (NOE) for this project?	☐	☑
2.1	If **"Yes"** was checked for question 2, please provide the following information regarding the project: Name of Lead Agency: _____ Contact at Lead Agency: _____ Type of CEQA Document: _____ Phone: _____ State Clearinghouse #: _____ Email: _____ ***Please attach** Notice of Determination if available*		
2.2	If **"No"** was checked for question 2, do any exemptions to CEQA apply to this project? Section of CEQA: _____	☐	☑

Section C: Contact Information

I hereby certify that all information provided on this application is true and correct to the best of my knowledge. I understand that this form is a screening tool and SDAPCD reserves the right to consider other pertinent information in determining CEQA applicability.	
Print Name: Marc Boogay	**Title/Company:** Marc Boogay Consulting Engineer
Email: marc@boogay.com	**Phone:** 760.212.0012

[1] SDAPCD Environmental Review Guidelines

Sub-Slab Depressurization System



LEGEND

roof-mounted brackets holding radon-type fan and electric box, overlying sub-slab depressurization point and 3-inch vertical pipe; connected on the roof with blast-gates allowing redundancy in case of individual fan failure

N

sc 1in = 30ft
(for 8.5x11 print,
portrait orientation)

1425 30th Street, San Diego

Marc Boogay Consulting Engineer

October 10, 2025

In support of the San Diego APCD permit application for Subslab Depressurization releases, the selected elements of the following sheets describe exhaust gases.

Note:

Emission point #1 is cited as “N EXHST”,

Emission point #2 is cited as “C EXHST, and

Emission point #3 is cited as “S EXHST”

Mobile Geochemistry Inc.

30 September 2025

NELAP Accredited
TNI Cert #04138
Agency Interest #136158

PJLA Testing
Accreditation #69070

Marc Boogay
BOOGAY
1584 Whispering Palm Dr
Oceanside, CA 92056

H&P Project: MBC091125-11
Client Project: 1425 30th St SD

Dear Marc Boogay:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 11-Sep-25 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Eminhizer
Laboratory Director

H&P Mobile Geochemistry, Inc. is accredited under the National Laboratory Accreditation Program (NELAP) and the Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), operating in accordance with international standard ISO/IEC 17025:2005 for the fields of proficiency and analytes listed on the applicable certificates. The certificates for EPA Method TO-15 and H&P Method 8260SV (modified EPA 8260B) can be found at www.handpmg.com, including accreditation certificate numbers, expiration of certificates, and scope of accreditation including matrix of accreditation. Vehicle Identification Numbers are included on the certifications for mobile lab analysis , if applicable. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N EXHST	E509041-01	Vapor	11-Sep-25	11-Sep-25
S EXHST	E509041-02	Vapor	11-Sep-25	11-Sep-25
C EXHST	E509041-03	Vapor	11-Sep-25	11-Sep-25
STE E	E509041-04	Air	11-Sep-25	11-Sep-25
STE A/B	E509041-05	Air	11-Sep-25	11-Sep-25
STE C	E509041-06	Air	11-Sep-25	11-Sep-25
STE D	E509041-07	Air	11-Sep-25	11-Sep-25

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1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

DETECTIONS SUMMARY

Sample ID: **N EXHST** Laboratory ID: **E509041-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**11**	5.0	ug/m3	EPA TO-15	
Trichlorofluoromethane (F11)	**31**	5.6	ug/m3	EPA TO-15	
cis-1,2-Dichloroethene	**9.2**	4.0	ug/m3	EPA TO-15	
Trichloroethene	**50**	5.5	ug/m3	EPA TO-15	
Tetrachloroethene	**400**	6.9	ug/m3	EPA TO-15	

Sample ID: **S EXHST** Laboratory ID: **E509041-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloromethane	**2.1**	2.1	ug/m3	EPA TO-15	
Trichloroethene	**7.4**	5.5	ug/m3	EPA TO-15	
Toluene	**3.8**	3.8	ug/m3	EPA TO-15	

Sample ID: **C EXHST** Laboratory ID: **E509041-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichlorofluoromethane (F11)	**13**	5.6	ug/m3	EPA TO-15	
Tetrachloroethene	**160**	6.9	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**13**	5.0	ug/m3	EPA TO-15	

Sample ID: **STE E** Laboratory ID: **E509041-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**2.2**	2.0	ug/m3	EPA TO-15	
Chloromethane	**1.4**	0.41	ug/m3	EPA TO-15	
Trichlorofluoromethane (F11)	**1.4**	1.1	ug/m3	EPA TO-15	
Chloroform	**1.1**	0.49	ug/m3	EPA TO-15	
m,p-Xylene	**1.7**	0.88	ug/m3	EPA TO-15	
o-Xylene	**0.88**	0.88	ug/m3	EPA TO-15	

Sample ID: **STE A/B** Laboratory ID: **E509041-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloromethane	**1.2**	0.41	ug/m3	EPA TO-15	
Trichlorofluoromethane (F11)	**1.1**	1.1	ug/m3	EPA TO-15	
Chloroform	**1.4**	0.49	ug/m3	EPA TO-15	
Benzene	**1.1**	0.65	ug/m3	EPA TO-15	

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Carlsbad, CA 92010
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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

Sample ID: **STE A/B** Laboratory ID: **E509041-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**7.4**	1.5	ug/m3	EPA TO-15	
Ethylbenzene	**1.5**	0.88	ug/m3	EPA TO-15	
m,p-Xylene	**6.3**	0.88	ug/m3	EPA TO-15	
o-Xylene	**2.7**	0.88	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**2.0**	1.0	ug/m3	EPA TO-15	

Sample ID: **STE C** Laboratory ID: **E509041-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**3.5**	1.0	ug/m3	EPA TO-15	
Chloromethane	**1.4**	0.21	ug/m3	EPA TO-15	
Trichlorofluoromethane (F11)	**1.5**	0.56	ug/m3	EPA TO-15	
2-Butanone (MEK)	**0.66**	0.60	ug/m3	EPA TO-15	
Chloroform	**2.1**	0.25	ug/m3	EPA TO-15	
Carbon tetrachloride	**0.89**	0.64	ug/m3	EPA TO-15	
m,p-Xylene	**1.6**	0.44	ug/m3	EPA TO-15	
o-Xylene	**0.75**	0.44	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**0.50**	0.50	ug/m3	EPA TO-15	

Sample ID: **STE D** Laboratory ID: **E509041-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**1.9**	1.0	ug/m3	EPA TO-15	
Chloromethane	**1.2**	0.21	ug/m3	EPA TO-15	
Trichlorofluoromethane (F11)	**1.4**	0.56	ug/m3	EPA TO-15	
Methylene chloride (Dichloromethane)	**0.39**	0.35	ug/m3	EPA TO-15	
Chloroform	**1.9**	0.25	ug/m3	EPA TO-15	
Benzene	**0.52**	0.32	ug/m3	EPA TO-15	
Carbon tetrachloride	**0.77**	0.64	ug/m3	EPA TO-15	
Toluene	**1.5**	0.76	ug/m3	EPA TO-15	
Ethylbenzene	**0.57**	0.44	ug/m3	EPA TO-15	
m,p-Xylene	**2.5**	0.44	ug/m3	EPA TO-15	
o-Xylene	**1.2**	0.44	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**1.2**	0.50	ug/m3	EPA TO-15	

H&P Mobile
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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
N EXHST (E509041-01) Vapor Sampled: 11-Sep-25 Received: 11-Sep-25									
Dichlorodifluoromethane (F12)	**11**	5.0	ug/m3	1	EI52304	23-Sep-25	23-Sep-25	EPA TO-15	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**31**	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**9.2**	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**50**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	ND	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**400**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	

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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
N EXHST (E509041-01) Vapor Sampled: 11-Sep-25 Received: 11-Sep-25									
Bromoform	ND	10	ug/m3	1	EI52304	23-Sep-25	23-Sep-25	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*77-127*	"	"	"	"	
S EXHST (E509041-02) Vapor Sampled: 11-Sep-25 Received: 11-Sep-25									
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	1	EI52304	23-Sep-25	23-Sep-25	EPA TO-15	
Chloromethane	**2.1**	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**7.4**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	

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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
S EXHST (E509041-02) Vapor Sampled: 11-Sep-25 Received: 11-Sep-25									
Bromodichloromethane	ND	6.8	ug/m3	1	EI52304	23-Sep-25	23-Sep-25	EPA TO-15	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**3.8**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*77-127*	"	"	"	"	

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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
C EXHST (E509041-03) Vapor Sampled: 11-Sep-25 Received: 11-Sep-25									
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	1	EI52304	23-Sep-25	24-Sep-25	EPA TO-15	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**13**	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	ND	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**160**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	

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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
C EXHST (E509041-03) Vapor Sampled: 11-Sep-25 Received: 11-Sep-25									
Bromoform	ND	10	ug/m3	1	EI52304	23-Sep-25	24-Sep-25	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**13**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*122 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*86.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*77-127*	"	"	"	"	
STE E (E509041-04) Air Sampled: 11-Sep-25 Received: 11-Sep-25									
Dichlorodifluoromethane (F12)	**2.2**	2.0	ug/m3	2	EI52402	24-Sep-25	24-Sep-25	EPA TO-15	
Chloromethane	**1.4**	0.41	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	1.4	"	"	"	"	"	"	
Vinyl chloride	ND	0.26	"	"	"	"	"	"	
Bromomethane	ND	0.79	"	"	"	"	"	"	
Chloroethane	ND	0.54	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**1.4**	1.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.80	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	1.5	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.71	"	"	"	"	"	"	
Carbon disulfide	ND	0.63	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.80	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.82	"	"	"	"	"	"	
2-Butanone (MEK)	ND	1.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.80	"	"	"	"	"	"	
Chloroform	**1.1**	0.49	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.1	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.82	"	"	"	"	"	"	
Benzene	ND	0.65	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.3	"	"	"	"	"	"	
Trichloroethene	ND	1.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.94	"	"	"	"	"	"	

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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
STE E (E509041-04) Air Sampled: 11-Sep-25 Received: 11-Sep-25									
Bromodichloromethane	ND	1.4	ug/m3	2	EI52402	24-Sep-25	24-Sep-25	EPA TO-15	
cis-1,3-Dichloropropene	ND	0.92	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	1.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.92	"	"	"	"	"	"	
Toluene	ND	1.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.1	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	1.7	"	"	"	"	"	"	
Dibromochloromethane	ND	3.5	"	"	"	"	"	"	
Tetrachloroethene	ND	1.4	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.6	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.94	"	"	"	"	"	"	
Ethylbenzene	ND	0.88	"	"	"	"	"	"	
m,p-Xylene	**1.7**	0.88	"	"	"	"	"	"	
Styrene	ND	0.86	"	"	"	"	"	"	
o-Xylene	**0.88**	0.88	"	"	"	"	"	"	
Bromoform	ND	2.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.4	"	"	"	"	"	"	
4-Ethyltoluene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.4	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*91.6 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*77-127*	"	"	"	"	

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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

STE A/B (E509041-05) Air Sampled: 11-Sep-25 Received: 11-Sep-25

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
Dichlorodifluoromethane (F12)	ND	2.0	ug/m3	2	EI52502	26-Sep-25	26-Sep-25	EPA TO-15	
Chloromethane	**1.2**	0.41	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	1.4	"	"	"	"	"	"	
Vinyl chloride	ND	0.26	"	"	"	"	"	"	
Bromomethane	ND	0.79	"	"	"	"	"	"	
Chloroethane	ND	0.54	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**1.1**	1.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.80	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	1.5	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.71	"	"	"	"	"	"	
Carbon disulfide	ND	0.63	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.80	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.82	"	"	"	"	"	"	
2-Butanone (MEK)	ND	1.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.80	"	"	"	"	"	"	
Chloroform	**1.4**	0.49	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.1	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.82	"	"	"	"	"	"	
Benzene	**1.1**	0.65	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.3	"	"	"	"	"	"	
Trichloroethene	ND	1.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.94	"	"	"	"	"	"	
Bromodichloromethane	ND	1.4	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.92	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	1.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.92	"	"	"	"	"	"	
Toluene	**7.4**	1.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.1	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	1.7	"	"	"	"	"	"	
Dibromochloromethane	ND	3.5	"	"	"	"	"	"	
Tetrachloroethene	ND	1.4	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.6	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.94	"	"	"	"	"	"	
Ethylbenzene	**1.5**	0.88	"	"	"	"	"	"	
m,p-Xylene	**6.3**	0.88	"	"	"	"	"	"	
Styrene	ND	0.86	"	"	"	"	"	"	
o-Xylene	**2.7**	0.88	"	"	"	"	"	"	

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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
STE A/B (E509041-05) Air Sampled: 11-Sep-25 Received: 11-Sep-25									
Bromoform	ND	2.1	ug/m3	2	EI52502	26-Sep-25	26-Sep-25	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	1.4	"	"	"	"	"	"	
4-Ethyltoluene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**2.0**	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.4	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.7 %*		*77-127*	"	"	"	"	
STE C (E509041-06) Air Sampled: 11-Sep-25 Received: 11-Sep-25									
Dichlorodifluoromethane (F12)	**3.5**	1.0	ug/m3	1	EI52402	24-Sep-25	24-Sep-25	EPA TO-15	
Chloromethane	**1.4**	0.21	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.71	"	"	"	"	"	"	
Vinyl chloride	ND	0.13	"	"	"	"	"	"	
Bromomethane	ND	0.39	"	"	"	"	"	"	
Chloroethane	ND	0.27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**1.5**	0.56	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.77	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.35	"	"	"	"	"	"	
Carbon disulfide	ND	0.32	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.41	"	"	"	"	"	"	
2-Butanone (MEK)	**0.66**	0.60	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	**2.1**	0.25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.55	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.41	"	"	"	"	"	"	
Benzene	ND	0.32	"	"	"	"	"	"	
Carbon tetrachloride	**0.89**	0.64	"	"	"	"	"	"	
Trichloroethene	ND	0.55	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.47	"	"	"	"	"	"	

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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
STE C (E509041-06) Air Sampled: 11-Sep-25 Received: 11-Sep-25									
Bromodichloromethane	ND	0.68	ug/m3	1	EI52402	24-Sep-25	24-Sep-25	EPA TO-15	
cis-1,3-Dichloropropene	ND	0.46	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.83	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.46	"	"	"	"	"	"	
Toluene	ND	0.76	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.55	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.83	"	"	"	"	"	"	
Dibromochloromethane	ND	1.7	"	"	"	"	"	"	
Tetrachloroethene	ND	0.69	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.78	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.70	"	"	"	"	"	"	
Chlorobenzene	ND	0.47	"	"	"	"	"	"	
Ethylbenzene	ND	0.44	"	"	"	"	"	"	
m,p-Xylene	**1.6**	0.44	"	"	"	"	"	"	
Styrene	ND	0.43	"	"	"	"	"	"	
o-Xylene	**0.75**	0.44	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.70	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**0.50**	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.61	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.61	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.61	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.7	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*90.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*77-127*	"	"	"	"	

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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
STE D (E509041-07) Air Sampled: 11-Sep-25 Received: 11-Sep-25									
Dichlorodifluoromethane (F12)	**1.9**	1.0	ug/m3	1	EI52402	24-Sep-25	24-Sep-25	EPA TO-15	
Chloromethane	**1.2**	0.21	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.71	"	"	"	"	"	"	
Vinyl chloride	ND	0.13	"	"	"	"	"	"	
Bromomethane	ND	0.39	"	"	"	"	"	"	
Chloroethane	ND	0.27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**1.4**	0.56	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.77	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**0.39**	0.35	"	"	"	"	"	"	
Carbon disulfide	ND	0.32	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.41	"	"	"	"	"	"	
2-Butanone (MEK)	ND	0.60	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	**1.9**	0.25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.55	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.41	"	"	"	"	"	"	
Benzene	**0.52**	0.32	"	"	"	"	"	"	
Carbon tetrachloride	**0.77**	0.64	"	"	"	"	"	"	
Trichloroethene	ND	0.55	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.47	"	"	"	"	"	"	
Bromodichloromethane	ND	0.68	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.46	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.83	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.46	"	"	"	"	"	"	
Toluene	**1.5**	0.76	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.55	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.83	"	"	"	"	"	"	
Dibromochloromethane	ND	1.7	"	"	"	"	"	"	
Tetrachloroethene	ND	0.69	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.78	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.70	"	"	"	"	"	"	
Chlorobenzene	ND	0.47	"	"	"	"	"	"	
Ethylbenzene	**0.57**	0.44	"	"	"	"	"	"	
m,p-Xylene	**2.5**	0.44	"	"	"	"	"	"	
Styrene	ND	0.43	"	"	"	"	"	"	
o-Xylene	**1.2**	0.44	"	"	"	"	"	"	

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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
STE D (E509041-07) Air Sampled: 11-Sep-25 Received: 11-Sep-25									
Bromoform	ND	1.0	ug/m3	1	EI52402	24-Sep-25	24-Sep-25	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	0.70	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**1.2**	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.61	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.61	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.61	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.7	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*89.8 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.8 %*		*77-127*	"	"	"	"	

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Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52304 - TO-15										
Blank (EI52304-BLK1)				Prepared & Analyzed: 23-Sep-25						
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3							
Chloromethane	ND	2.1	"							
Dichlorotetrafluoroethane (F114)	ND	7.1	"							
Vinyl chloride	ND	2.6	"							
Bromomethane	ND	16	"							
Chloroethane	ND	8.0	"							
Trichlorofluoromethane (F11)	ND	5.6	"							
1,1-Dichloroethene	ND	4.0	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"							
Methylene chloride (Dichloromethane)	ND	3.5	"							
Carbon disulfide	ND	6.3	"							
trans-1,2-Dichloroethene	ND	8.0	"							
1,1-Dichloroethane	ND	4.1	"							
2-Butanone (MEK)	ND	30	"							
cis-1,2-Dichloroethene	ND	4.0	"							
Chloroform	ND	4.9	"							
1,1,1-Trichloroethane	ND	5.5	"							
1,2-Dichloroethane (EDC)	ND	4.1	"							
Benzene	ND	3.2	"							
Carbon tetrachloride	ND	6.4	"							
Trichloroethene	ND	5.5	"							
1,2-Dichloropropane	ND	9.4	"							
Bromodichloromethane	ND	6.8	"							
cis-1,3-Dichloropropene	ND	4.6	"							
4-Methyl-2-pentanone (MIBK)	ND	8.3	"							
trans-1,3-Dichloropropene	ND	4.6	"							
Toluene	ND	3.8	"							
1,1,2-Trichloroethane	ND	5.5	"							
2-Hexanone (MBK)	ND	8.3	"							
Dibromochloromethane	ND	8.6	"							
Tetrachloroethene	ND	6.9	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							
1,1,1,2-Tetrachloroethane	ND	7.0	"							
Chlorobenzene	ND	4.7	"							

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Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52304 - TO-15										
Blank (EI52304-BLK1)				Prepared & Analyzed: 23-Sep-25						
Ethylbenzene	ND	4.4	ug/m3							
m,p-Xylene	ND	8.8	"							
Styrene	ND	4.3	"							
o-Xylene	ND	4.4	"							
Bromoform	ND	10	"							
1,1,2,2-Tetrachloroethane	ND	7.0	"							
4-Ethyltoluene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	12	"							
1,4-Dichlorobenzene	ND	12	"							
1,2-Dichlorobenzene	ND	12	"							
1,2,4-Trichlorobenzene	ND	38	"							
Hexachlorobutadiene	ND	54	"							
Surrogate: 1,2-Dichloroethane-d4	*252*		*"*	*214*		*118*	*76-134*			
Surrogate: Toluene-d8	*228*		*"*	*208*		*110*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*368*		*"*	*363*		*101*	*77-127*			
LCS (EI52304-BS1)				Prepared & Analyzed: 23-Sep-25						
Dichlorodifluoromethane (F12)	100	5.0	ug/m3	101		99.0	59-128			
Vinyl chloride	50	2.6	"	52.0		95.8	64-127			
Chloroethane	54	8.0	"	53.6		99.9	63-127			
Trichlorofluoromethane (F11)	110	5.6	"	113		95.2	62-126			
1,1-Dichloroethene	91	4.0	"	80.8		113	61-133			
1,1,2-Trichlorotrifluoroethane (F113)	150	7.7	"	155		99.5	66-126			
Methylene chloride (Dichloromethane)	73	3.5	"	70.8		104	62-115			
trans-1,2-Dichloroethene	83	8.0	"	80.8		102	67-124			
1,1-Dichloroethane	84	4.1	"	82.4		102	68-126			
cis-1,2-Dichloroethene	82	4.0	"	80.0		103	70-121			
Chloroform	110	4.9	"	99.2		108	68-123			
1,1,1-Trichloroethane	120	5.5	"	111		108	68-125			
1,2-Dichloroethane (EDC)	87	4.1	"	82.4		106	65-128			
Benzene	68	3.2	"	64.8		104	69-119			

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Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52304 - TO-15										
LCS (EI52304-BS1)				Prepared & Analyzed: 23-Sep-25						
Carbon tetrachloride	140	6.4	ug/m3	128		113	68-132			
Trichloroethene	110	5.5	"	110		102	71-123			
Toluene	76	3.8	"	76.8		99.6	66-119			
1,1,2-Trichloroethane	110	5.5	"	111		99.2	73-119			
Tetrachloroethene	140	6.9	"	138		98.3	66-124			
1,1,1,2-Tetrachloroethane	160	7.0	"	140		115	67-129			
Ethylbenzene	99	4.4	"	88.4		112	70-124			
m,p-Xylene	100	8.8	"	88.4		115	61-134			
o-Xylene	84	4.4	"	88.4		95.2	67-125			
1,1,2,2-Tetrachloroethane	130	7.0	"	140		92.3	65-127			
Surrogate: 1,2-Dichloroethane-d4	*258*		*"*	*214*		*121*	*76-134*			
Surrogate: Toluene-d8	*170*		*"*	*208*		*81.8*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*360*		*"*	*363*		*99.3*	*77-127*			
Batch EI52402 - TO-15										
Blank (EI52402-BLK1)				Prepared & Analyzed: 24-Sep-25						
Dichlorodifluoromethane (F12)	ND	1.0	ug/m3							
Chloromethane	ND	0.21	"							
Dichlorotetrafluoroethane (F114)	ND	0.71	"							
Vinyl chloride	ND	0.13	"							
Bromomethane	ND	0.39	"							
Chloroethane	ND	0.27	"							
Trichlorofluoromethane (F11)	ND	0.56	"							
1,1-Dichloroethene	ND	0.40	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.77	"							
Methylene chloride (Dichloromethane)	ND	0.35	"							
Carbon disulfide	ND	0.32	"							
trans-1,2-Dichloroethene	ND	0.40	"							
1,1-Dichloroethane	ND	0.41	"							
2-Butanone (MEK)	ND	0.60	"							
cis-1,2-Dichloroethene	ND	0.40	"							
Chloroform	ND	0.25	"							

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Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52402 - TO-15										
Blank (EI52402-BLK1)				Prepared & Analyzed: 24-Sep-25						
1,1,1-Trichloroethane	ND	0.55	ug/m3							
1,2-Dichloroethane (EDC)	ND	0.41	"							
Benzene	ND	0.32	"							
Carbon tetrachloride	ND	0.64	"							
Trichloroethene	ND	0.55	"							
1,2-Dichloropropane	ND	0.47	"							
Bromodichloromethane	ND	0.68	"							
cis-1,3-Dichloropropene	ND	0.46	"							
4-Methyl-2-pentanone (MIBK)	ND	0.83	"							
trans-1,3-Dichloropropene	ND	0.46	"							
Toluene	ND	0.76	"							
1,1,2-Trichloroethane	ND	0.55	"							
2-Hexanone (MBK)	ND	0.83	"							
Dibromochloromethane	ND	1.7	"							
Tetrachloroethene	ND	0.69	"							
1,2-Dibromoethane (EDB)	ND	0.78	"							
1,1,1,2-Tetrachloroethane	ND	0.70	"							
Chlorobenzene	ND	0.47	"							
Ethylbenzene	ND	0.44	"							
m,p-Xylene	ND	0.44	"							
Styrene	ND	0.43	"							
o-Xylene	ND	0.44	"							
Bromoform	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	0.70	"							
4-Ethyltoluene	ND	0.50	"							
1,3,5-Trimethylbenzene	ND	0.50	"							
1,2,4-Trimethylbenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.61	"							
1,4-Dichlorobenzene	ND	0.61	"							
1,2-Dichlorobenzene	ND	0.61	"							
1,2,4-Trichlorobenzene	ND	1.9	"							
Hexachlorobutadiene	ND	2.7	"							
Surrogate: 1,2-Dichloroethane-d4	*215*		*"*	*214*		*101*	*76-134*			

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VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52402 - TO-15										
Blank (EI52402-BLK1)				Prepared & Analyzed: 24-Sep-25						
Surrogate: Toluene-d8	*230*		*ug/m3*	*208*		*111*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*381*		*"*	*363*		*105*	*77-127*			
LCS (EI52402-BS1)				Prepared & Analyzed: 24-Sep-25						
Dichlorodifluoromethane (F12)	111	1.0	ug/m3	101		110	59-128			
Vinyl chloride	49.4	0.13	"	52.0		94.9	64-127			
Chloroethane	55.3	0.27	"	53.6		103	63-127			
Trichlorofluoromethane (F11)	112	0.56	"	113		99.2	62-126			
1,1-Dichloroethene	90.7	0.40	"	80.8		112	61-133			
1,1,2-Trichlorotrifluoroethane (F113)	156	0.77	"	155		100	66-126			
Methylene chloride (Dichloromethane)	73.9	0.35	"	70.8		104	62-115			
trans-1,2-Dichloroethene	81.2	0.40	"	80.8		100	67-124			
1,1-Dichloroethane	83.8	0.41	"	82.4		102	68-126			
cis-1,2-Dichloroethene	79.6	0.40	"	80.0		99.5	70-121			
Chloroform	107	0.25	"	99.2		108	68-123			
1,1,1-Trichloroethane	121	0.55	"	111		108	68-125			
1,2-Dichloroethane (EDC)	87.3	0.41	"	82.4		106	65-128			
Benzene	66.0	0.32	"	64.8		102	69-119			
Carbon tetrachloride	146	0.64	"	128		114	68-132			
Trichloroethene	112	0.55	"	110		102	71-123			
Toluene	65.8	0.76	"	76.8		85.7	66-119			
1,1,2-Trichloroethane	111	0.55	"	111		100	73-119			
Tetrachloroethene	135	0.69	"	138		97.6	66-124			
1,1,1,2-Tetrachloroethane	159	0.70	"	140		113	67-129			
Ethylbenzene	96.9	0.44	"	88.4		110	70-124			
m,p-Xylene	101	0.44	"	88.4		115	61-134			
o-Xylene	83.6	0.44	"	88.4		94.5	67-125			
1,1,2,2-Tetrachloroethane	127	0.70	"	140		91.0	65-127			
Surrogate: 1,2-Dichloroethane-d4	*221*		*"*	*214*		*104*	*76-134*			
Surrogate: Toluene-d8	*171*		*"*	*208*		*82.4*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*368*		*"*	*363*		*101*	*77-127*			

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VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52502 - TO-15										
Blank (EI52502-BLK1)				Prepared & Analyzed: 25-Sep-25						
Dichlorodifluoromethane (F12)	ND	1.0	ug/m3							
Chloromethane	ND	0.21	"							
Dichlorotetrafluoroethane (F114)	ND	0.71	"							
Vinyl chloride	ND	0.13	"							
Bromomethane	ND	0.39	"							
Chloroethane	ND	0.27	"							
Trichlorofluoromethane (F11)	ND	0.56	"							
1,1-Dichloroethene	ND	0.40	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.77	"							
Methylene chloride (Dichloromethane)	ND	0.35	"							
Carbon disulfide	ND	0.32	"							
trans-1,2-Dichloroethene	ND	0.40	"							
1,1-Dichloroethane	ND	0.41	"							
2-Butanone (MEK)	ND	0.60	"							
cis-1,2-Dichloroethene	ND	0.40	"							
Chloroform	ND	0.25	"							
1,1,1-Trichloroethane	ND	0.55	"							
1,2-Dichloroethane (EDC)	ND	0.41	"							
Benzene	ND	0.32	"							
Carbon tetrachloride	ND	0.64	"							
Trichloroethene	ND	0.55	"							
1,2-Dichloropropane	ND	0.47	"							
Bromodichloromethane	ND	0.68	"							
cis-1,3-Dichloropropene	ND	0.46	"							
4-Methyl-2-pentanone (MIBK)	ND	0.83	"							
trans-1,3-Dichloropropene	ND	0.46	"							
Toluene	ND	0.76	"							
1,1,2-Trichloroethane	ND	0.55	"							
2-Hexanone (MBK)	ND	0.83	"							
Dibromochloromethane	ND	1.7	"							
Tetrachloroethene	ND	0.69	"							
1,2-Dibromoethane (EDB)	ND	0.78	"							
1,1,1,2-Tetrachloroethane	ND	0.70	"							
Chlorobenzene	ND	0.47	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52502 - TO-15										
Blank (EI52502-BLK1)				Prepared & Analyzed: 25-Sep-25						
Ethylbenzene	ND	0.44	ug/m3							
m,p-Xylene	ND	0.44	"							
Styrene	ND	0.43	"							
o-Xylene	ND	0.44	"							
Bromoform	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	0.70	"							
4-Ethyltoluene	ND	0.50	"							
1,3,5-Trimethylbenzene	ND	0.50	"							
1,2,4-Trimethylbenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.61	"							
1,4-Dichlorobenzene	ND	0.61	"							
1,2-Dichlorobenzene	ND	0.61	"							
1,2,4-Trichlorobenzene	ND	1.9	"							
Hexachlorobutadiene	ND	2.7	"							
Surrogate: 1,2-Dichloroethane-d4	*208*		*"*	*214*		*97.2*	*76-134*			
Surrogate: Toluene-d8	*218*		*"*	*208*		*105*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*358*		*"*	*363*		*98.6*	*77-127*			
LCS (EI52502-BS1)				Prepared & Analyzed: 25-Sep-25						
Dichlorodifluoromethane (F12)	112	1.0	ug/m3	101		111	59-128			
Vinyl chloride	57.2	0.13	"	52.0		110	64-127			
Chloroethane	57.6	0.27	"	53.6		108	63-127			
Trichlorofluoromethane (F11)	117	0.56	"	113		103	62-126			
1,1-Dichloroethene	89.7	0.40	"	80.8		111	61-133			
1,1,2-Trichlorotrifluoroethane (F113)	174	0.77	"	155		112	66-126			
Methylene chloride (Dichloromethane)	72.4	0.35	"	70.8		102	62-115			
trans-1,2-Dichloroethene	86.4	0.40	"	80.8		107	67-124			
1,1-Dichloroethane	90.4	0.41	"	82.4		110	68-126			
cis-1,2-Dichloroethene	89.2	0.40	"	80.0		111	70-121			
Chloroform	106	0.25	"	99.2		106	68-123			
1,1,1-Trichloroethane	118	0.55	"	111		106	68-125			
1,2-Dichloroethane (EDC)	87.1	0.41	"	82.4		106	65-128			
Benzene	69.4	0.32	"	64.8		107	69-119			

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Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52502 - TO-15										
LCS (EI52502-BS1)				Prepared & Analyzed: 25-Sep-25						
Carbon tetrachloride	134	0.64	ug/m3	128		105	68-132			
Trichloroethene	110	0.55	"	110		101	71-123			
Toluene	81.3	0.76	"	76.8		106	66-119			
1,1,2-Trichloroethane	116	0.55	"	111		104	73-119			
Tetrachloroethene	138	0.69	"	138		100	66-124			
1,1,1,2-Tetrachloroethane	145	0.70	"	140		104	67-129			
Ethylbenzene	89.9	0.44	"	88.4		102	70-124			
m,p-Xylene	92.4	0.44	"	88.4		104	61-134			
o-Xylene	81.2	0.44	"	88.4		91.8	67-125			
1,1,2,2-Tetrachloroethane	130	0.70	"	140		92.8	65-127			
Surrogate: 1,2-Dichloroethane-d4	*234*		*"*	*214*		*110*	*76-134*			
Surrogate: Toluene-d8	*210*		*"*	*208*		*101*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*357*		*"*	*363*		*98.3*	*77-127*			

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BOOGAY	Project: MBC091125-11	
1584 Whispering Palm Dr	Project Number: 1425 30th St SD	Reported:
Oceanside, CA 92056	Project Manager: Marc Boogay	30-Sep-25 11:57

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15 and H&P 8260SV.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/accreditations.

Mobile Geochemistry, Inc.

2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
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VAPOR / AIR Chain of Custody

DATE: 9/11/25
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: BOOGAY	Project Name / #: 1425 30TH ST SD
Lab Client Project Manager: MARC BOOGAY	Project Location:
Lab Client Address: 1584 WHISP. PALM OCN	Report E-Mail(s): marc@boogay.com
Lab Client City, State, Zip: OCEANSIDE	
Phone Number: 760 212 0012	

Sample Receipt (Lab Use Only)

Date Received: 9/11/25	
H&P Project # MBC091125-11	
Lab Work Order # E509041	
Receipt Gauge ID:	Temp: RT
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Notes/Tracking #: wrote in can #s JK	
Lab Status # 250523.01	Lab PM Initials: KB

Reporting Requirements

- ☑ Standard Report ☐ Level III ☐ Level IV
- ☐ Excel EDD ☐ Other EDD: _____
- ☑ CA Geotracker Global ID: _____

Turnaround Time

- ☑ **Standard** (7 days for preliminary report, 10 days for final report)
- ☐ **Rush** (specify): _____

Sampler Information

- Sampler(s): MB
- Signature: [signature]
- Date: 9.11.25

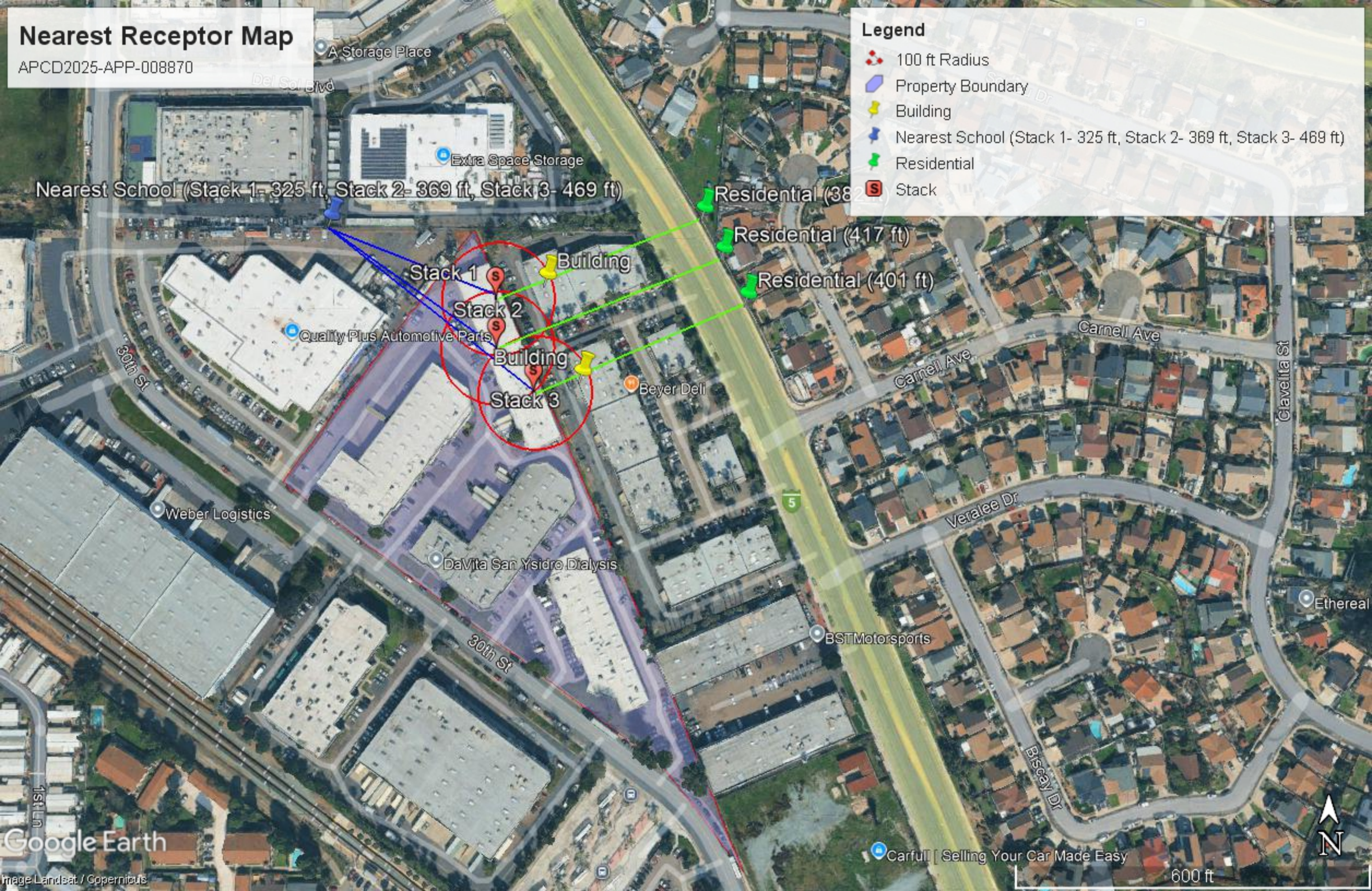
Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☐ µg/L ☑ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable for Geotracker)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar	CONTAINER ID / TAG (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☑ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound 1,1-DFA (by 8260SV or TO-15)	Leak Check Compound Helium by ASTM 1945m	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
N EXHST		9.11.25	9:43		400	042	-2	X												
S EXHST		"	10:20		400	023	-2	X												
C EXHST		"	9:58		400	655	-2	X												
STE E		"	13:32	IA	6L	673	-4	X												
STE A/B		"	15:25	IA	6L	609	-8	X												
STE C		"	15:38	IA	6L	608	-8	X												
STE D		"	14:56	IA	6L	671	-10	X												

Approved/Relinquished by: [signature]	Company: MBCE	Date: 9.11.25	Time: 5:20P	Received by: [signature]	Company: H&P	Date: 9/11/25	Time: 5:32P
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back


Nearest Receptor Map
APCD2025-APP-008870
Legend
100 ft Radius
Property Boundary
Building
Nearest School (Stack 1- 325 ft, Stack 2- 369 ft, Stack 3- 469 ft)
Residential
Stack
Nearest School (Stack 1- 325 ft, Stack 2- 369 ft, Stack 3- 469 ft)
Residential (417 ft)
Residential (401 ft)
Building
Stack 1
Stack 2
Building
Stack 3
A Storage Place
Extra Space Storage
Quality Plus Automotive Parts
Beyer Deli
Weber Logistics
DaVita San Ysidro Dialysis
BSTMotorsports
Carnel Ave
Veralee Dr
Biscay Dr
Clavelia St
30th St
1st Ln
Ethereal
Carfull | Selling Your Car Made Easy
Google Earth
Image Landsat / Copernicus
600 ft
N