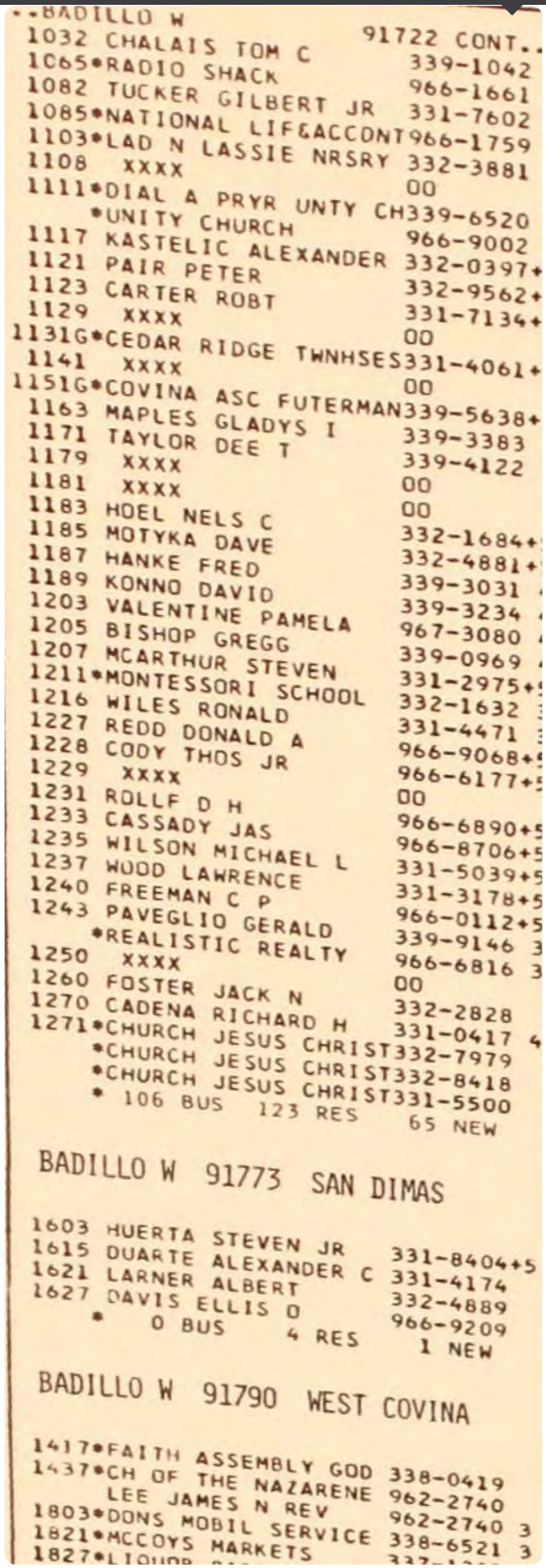

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**BADILLO W                          91722 CONT..
1032 CHALAIS TOM C                    339-1042
1065*RADIO SHACK                      966-1661
1082 TUCKER GILBERT JR                331-7602
1085*NATIONAL LIF&ACCDNT              966-1759
1103*LAD N LASSIE NRSRY               332-3881
1108   XXXX                           00
1111*DIAL A PRYR UNTY CH              339-6520
     *UNITY CHURCH                    966-9002
1117 KASTELIC ALEXANDER               332-0397+
1121 PAIR PETER                       332-9562+
1123 CARTER ROBT                      331-7134+
1129   XXXX                           00
1131G*CEDAR RIDGE TWNHSES             331-4061+
1141   XXXX                           00
1151G*COVINA ASC FUTERMAN             339-5638+
1163 MAPLES GLADYS I                  339-3383
1171 TAYLOR DEE T                     339-4122
1179   XXXX                           00
1181   XXXX                           00
1183 HOEL NELS C                      332-1684+
1185 MOTYKA DAVE                      332-4881+
1187 HANKE FRED                       339-3031
1189 KONNO DAVID                      339-3234
1203 VALENTINE PAMELA                 967-3080
1205 BISHOP GREGG                     339-0969
1207 MCARTHUR STEVEN                  331-2975+
1211*MONTESSORI SCHOOL                332-1632
1216 WILES RONALD                     331-4471
1227 REDD DONALD A                    966-9068+
1228 CODY THOS JR                     966-6177+
1229   XXXX                           00
1231 ROLLF D H                        966-6890+
1233 CASSADY JAS                      966-8706+
1235 WILSON MICHAEL L                 331-5039+
1237 WOOD LAWRENCE                    331-3178+
1240 FREEMAN C P                      966-0112+
1243 PAVEGLIO GERALD                  339-9146
     *REALISTIC REALTY                966-6816
1250   XXXX                           00
1260 FOSTER JACK N                    332-2828
1270 CADENA RICHARD H                 331-0417
1271*CHURCH JESUS CHRIST               332-7979
     *CHURCH JESUS CHRIST             332-8418
     *CHURCH JESUS CHRIST             331-5500
     * 106 BUS   123 RES    65 NEW

BADILLO W  91773  SAN DIMAS

1603 HUERTA STEVEN JR                 331-8404+
1615 DUARTE ALEXANDER C               331-4174
1621 LARNER ALBERT                    332-4889
1627 DAVIS ELLIS O                    966-9209
     *   0 BUS     4 RES     1 NEW

BADILLO W  91790  WEST COVINA

1417*FAITH ASSEMBLY GOD               338-0419
1437*CH OF THE NAZARENE               962-2740
     LEE JAMES N REV                  962-2740
1803*DONS MOBIL SERVICE               338-6521
1821*MCCOYS MARKETS
1827*LIQUOR
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```
 1200*HONEYWELL INC                   331-0011
1350....LARK ELLEN TOWERS
       ALDEN ELMA                     444-5954+
  512  FLATT MABEL                    966-7746
  708  FOGWELL L H                    331-4508
  819  GORMLY HARRY J                 966-1126
  708 *LARK ELLEN TOWERS              966-7561
  708 *LARK ELLEN TWR HOSP            966-7558
       MARCUSSEN WM                   966-4049+
  819  RUPERT KARL C                  966-5053
  801  TURNER STEVE                   966-3054
  316  WHITNEY ALTHEA                 331-4986
1350.....................
     *   3 BUS     8 RES     2 NEW
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997*DUPLI SERVICE
999*WOOS CHINESE KITCHN 331-6216
1010*BUILDERS EMPORIUM 331-7381
1011*ELDON DRAPERY CLNRS 966-8447
*SEARS ROEBUCK&CO 331-0911
*SPARKLE CLEANERS 966-5131
1017*COVINA CASH REGISTR 967-2834*
*COVINA OFC MACHINES 967-2834
1035*STORTZ FLOOR COVRNG 331-0868
1045 XXXX 00
1060*BRUTOCO DEVELPMNT 339-1286
*BRUTOCO ENGINEERING 331-5347
*COVINA BOWL 339-1286
1062*ABAR BEAUTY SALON 331-3010*
1069*SHRIMP AHOY 331-2411*
1102 CRAWFORD RANDY L 331-8752*
1112 BENNETT J M 332-0382
1114*YEE SOONS CHNS CSNE 339-9200
1130....APARTMENTS
102 AZOUS ROBT 966-5754
216 BURCH RAYMOND 339-3344
CURRAN TOM J 331-5443*
219 GAGE LEE F 966-9404
HENDERSON RAYMOND 966-8784*
966-9250
103 LAURY STAN 332-3920*
LEININGER DAVID R 339-9877*
LEVEN JULIUS 332-5052*
LIMA J M DR 331-6991*
MAGALLANES ROBT 339-0991*
MANSON GARY 331-1350*
MARRISON WM R 331-4751
130 MCDONALD A S 966-1843*
MEEK DEBORAH 332-6717*
MEHRL JANET 332-0392
228 MENNIN MARTHA 332-5546*
MORRIS ELEANOR 966-6749*
OWENS DAVID 331-1919*
PASTORE MICHAEL 966-5792*
PENCE NANCY R 966-4267*
RICHARDSON LARRY 967-4741*
ROBB WALLY 966-6674
224 SIMS JAS F 331-8501*
STAGGS CARL D SR 331-2942
223 THOMSON RALPH L 331-7043*
TYLER D W 332-7468
227 WHITCANACK G

EAST L.A. THE RADIO

..SAN BERNARDINO RD W 91722 CONT..
WITTE KLAUS 331-4540*5
1130....
1131*FOWLER REAL ESTATE 331-0681
1139*FLORAL ESCROW CO 331-8236*5
1145*GILBERT JOHN J 966-1211
1151*COWDEN REALTY 967-1496
1170....APARTMENTS
225 BEISWENGER RICHARD 332-0431
BOOTH DENISE 332-1525*5
BUSSEY JEFFREY 332-5574*5
CAMERON GEO 966-9086*5
CHAU NELLY 966-2794*5
CHUPURDIA ROBIN 339-2447*5
CRAFT ALLEN 967-5578*5
134 CROSBY ALAN 966-8067
DALBY REX K JR 339-6593*5
DIMARTINO L 339-3565*5
DIXON ROBT 966-5543*5
101 DUNDON LESLIE 331-1388
243 FERRELL BARBARA 339-0502
119 FLEMING BRUCE 331-9559
FOSTER C 967-4641*5
110 GUZMAN ARNOLD 332-5892
HELVEY CURTIS 339-3019*5
209 HODNICKI WALTER 331-4019
238 HOWARD DUNCAN G 332-6841
JENIK CAROLIN R 966-2868*5
JEUKEN SANDRA 332-2108*5
KENNEDY VICKY 339-5173*5
LEE ROSANNA 967-3378*5
108 MARPLE M L 332-2989
MARSHALL J D 967-3378*5
MATERA BONNIE 339-4304
211 MATTHEWS STAN D 331-3400
219 MILLER DAVID 331-2867
231 PEARSON CARLTON J 332-3297*5
PETRENS VICTOR 966-8284*5
REEVE JAS 966-0017*5
SABATINI FRANK 332-2143
105 SCOTT JAMES JR 331-5843
214 SHAFFMAN C 966-9489
112 SINES JILL 339-1530
107 SMITH BARBARA G 966-1481*5
SOMMERS CALVIN C 339-5292
147 STUBBS NELSON E 966-1132
228 THAYER DANNY 966-7897
212 THOMPSON KENNETH J 339-5905
109 TOTH JULIUS 966-1470
117 TROMBLEY LAWRENCE 339-5635
122 WALKER GREG 339-3201*5
WOODRUM WM 332-6879*5
1170.... 00
1217 XXXX
1220....THE OLIVE TREE APTS
ANDERSON THOS N 339-8438
132 ANNUNZIATA PAT J 339-2381
206 BLANK BRUCE 331-3238
103 BORSOS RON J 331-9644*5
BROWN LARRY W 966-7814*5
CHARTRAND MICHELLE 331-2181*5
COHEN CHAS 331-4029
102 COLE DONALD R 332-6075
115 CORTNER J 339-8830*5
CROWNOVER DONALD J 331-7865*5
DALTON CLAY 339-5053*5
DAVIS RAY 339-0269
110 DICKENS TERRY 339-2021*5
DICKEY CHRIS 332-3450
126 EDDY MICHAEL 339-6721*5
ERHARDT FRED E JR 331-9402*5
ERICKSON K A 967-1043*5
FLOWERS DONALD R 332-9922*5
GRUNER TERRY L 966-3173*5
211 HALL D M 339-1662
HOLLMANN ROBT L MRS 339-6397*5
JAROSZ DAN R 331-2545*5
JOHNSON RAY 332-0049*5
KASISKE TERRY 966-1416*5
KEY BRAD 967-5676*5
KORMOS K 332-1585*5
KREST BOB 967-5511*5
LASITER ELIZABETH 966-3496*5
LESLIE J D 966-3958
235 LETOURNEAU SOULE 331-5847*5
LIVINGSTON L N 339-8935*5
MANIER HARRY 332-7486*5
NORRIS MICHAEL F 339-3114*5
107 *OLIVE TREE THE 339-7607
PANTAGES DANNY 967-1033*5
PROTEAU PHILLIP 339-4073*5
130 RILEY JAS 339-6549
RODDICKER JANIE 966-8814*5
RODRIGUEZ ROSIE 967-4870*5
RODRIGUEZ VICTOR J 967-4870*5
SCHAITERER KENNETH 339-9183
111 SCHENKEL JEFF 339-8824*5
SHARR K 967-3367*5
SINZ BRUCE H 332-9300*5
112 STEHLE A J 332-0676
STEVENS P 339-9144*5
STEVENSON C 331-6076*5
231 THOMPSON HARRY E 966-7966
VIRGIN JOHN 331-7058*5
251 WALKER STEPHEN P 339-1571
249 WELSH MICHAEL G 339-6619
WERNER GEO 331-4350*5
1220....
1235 MILLER HUGH V 331-1468*5
1245 GRADY JOHN 332-6802*5
1247*CENTURY 21 RL EST 331-7301
*CITRUS REALTY 331-7301
1250....APARTMENTS
AKERS ROGERS M 339-4684*5
1 ALFORD RAY 332-1722
34 BAKER PAUL B 331-1526
BLATT GUSSIE 966-2657*5
BROWN JEAN L 339-0104
27 CARR ALBERT 339-8527
3 FREESON GERTRUDE 339-0256
24 FRIEDBERG IRVING 332-7128*5
FRISBIE JAS D JR 331-8395*5
GERDER R M 966-7005
9 GERDER RAY C 331-6179
39 *GERRERS CAPT CLNG 966-2411*5

..SAN BERNARDINO RD W 91722 CONT..
15 HAMILTON M G 966-2449
HUNT JOS 339-8691*5
11 JENSEN E C 966-4364
19 KRITCHMWSKY DIANA 967-2125
10 LAMBERG ANNA C 966-5773
42 LASCHOBER JOHN J 339-4862
24 LLOYD LOIS G 339-4041
12 MOORE ELSIE 332-0383
23 MORRIS E 339-2909
8 OUBER N C 966-6636
25 PHILLIPS N B 331-2683
POMERANTZ JENNIE 966-6128*5
14 STEIMLE RUTH 966-5971
36 VAUGHN CHAUNCEY W 966-9185
WANG GLADYS 966-6743*5
WANG YUE 966-6743*5
WHITCHER MARK 331-2583*5
WHITE JOHN R 331-3897*5
WOLFNER K C 339-0095*5
40 WOODS CARL J 339-7267
07 WOOSLEY CLIFFORD 339-6309
1250....
1257 ABE RICHARD R 331-7391*5
HARA B DSC 331-7391
1274*SHELL OIL CO 967-1211
1275*JIM YORKS SERV CNTR 331-1808
*JIMS SERVICE CENTER 331-1808
1313*FRANKS TEXACO 339-3905
1513....WEST COVINA APTS
100 DEANGELIS FRED B 337-2134
ECKMEDER FRANK 960-1320*5
10N FAVERO JUAN 338-2969
10G GRAY JAS S 338-3197
HOLGUIN ANN 962-7658*5
10V KNAPIK DAVID 337-6368
KNIP WM JR 962-5007*5
101 RUBIN MARVIN 962-2238
1CF RYGIOL MICHAEL 337-5938
SELBY V L 338-8069*5
10E WAKEFIELD CRAIG L 338-2581
*WEST COV APARTMENTS 338-3418*5
10H WILLIAMS WAYNE A 337-4062
WYETT L 338-1878*5
1513....
1517....APARTMENTS
9J DOMITRO ATANACIO 338-3580
ELDER REBECCA SUE 337-1553*5
GOODWIN B A 338-0413*5
9B GORDEN RICHARD D 338-2884
9A GRATSON ALEXANDER 338-1975
HASTIE JACK 962-0331*5
HILLE EILEEN 338-9425*5
KENNEDY K 962-7388*5
LOMBINO ANNE 338-0412*5
9M LORENZO JAMES S 338-6008
NUNN MATILDA 336-3259*5
90 RICE N J 338-4789
9G STEELE CHAS K 960-2091
STOUT BONNIE 338-0583*5
1517....
1521....APARTMENTS
81 BRUMMETT EVA G 337-5437
BUTTERFIELD J 962-7739*5
BUTTERFIELD ROGER 962-7739*5
CLEMONS MICHAEL 962-9906*5
6B CONSTANTINO O JR 337-0180
DONHAM DANNY W 962-5498*5
ROBLES EDGAR 338-3746*5
ROBLES V 337-4536*5
1521....
1525....APARTMENTS
BALL C L 962-1190*5
7F EATON BETTY 337-0591
7N KINZIE DIANA RAE 338-9300
MADISON O R 962-5334*5
7G QUEROZ JOSE L 962-0979
7C RICHARD JOSETTI 337-7476
RUSSELL JOS 338-7453*5
1525....
1529....APARTMENTS
ABBOTT ARLENE F 962-4811*5
6C BOWYER RICHARD A 338-0560
BULLOCK DWAINA 962-0780*5
BULLOCK TERRY J 962-0780*5
CAMERON GEO JR 338-0188
6V COY A 338-2731
6S DEBURLET MARTHA 337-9456*5
DEBURLET HARVEY LEE 960-2225
6B FARLEY ROBT R 962-7887*5
FEIT ROBT R 338-0654*5
HAWKINS G 338-9813*5
LUKACHY ARNOLD W 338-0777*5
MCCANDLESS GREGORY 338-0777*5
OLOHAM JEFF G 337-5053*5
RITA B 960-2376*5
SINGH RAJENDRA 338-8872*5
WILKERSON DENNIS 337-8522*5
1529....
1530*A&L COFFEE SHOP 339-2014
1533....APARTMENTS
BRIGGS ROY 338-4067*5
5A BUCHAN ALVIN 338-5733
COGBURN B 337-7876*5
DECRUZ S C 962-8534*5
FIELDS DENISE 336-8206*5
FORBES E E 338-9106*5
GIFFIN J A 962-8340*5
GUSTIN DONNA 338-6423*5
HILLENGASS ANN 337-4791*5
HUTCHISON CHARLENE 337-0926*5
NASH ANNE 337-7708*5
REYES RUDY M 338-1514*5
5B SANAD STANLEY 962-0301
SCHMIDT A E 960-2189*5
TAYLOR BRIAN D 337-3290*5
1533....
1537....APARTMENTS
KEITH CHERYL L 962-4660*5
4C MARTINEZ DAVE 338-8136
ROSENFELD JOHN 337-4481*5
4J SHERTZ JIM 338-8136
SZUDER SHARON 338-2240*5
ZAVALA FRANK 337-0340*5
1537.... 00
1540 XXXX

--SAN BERNARDINO RD W 91722 CONT--
1541----APARTMENTS 338-3508+5
ANTHONY VERA 337-9698 4
3G FERGONE ANTHONY 337-5295 4
3H MATHENY JOHN A 337-4376+5
SEYBERT JOHN 337-9553+5
ZAREMBA FRANK
1541---------- 331-9032
1542*THE SANDS
1545----APARTMENTS 962-2660+5
BARBER S L 338-3501 4
2E CASE SANDRA 962-2371+5
CHAVEZ SYLVIA 337-0294+5
COTTERMAN TERRY 962-0914+5
DAURIA PHIL 338-7518+5
JOHNSON V L 962-1618+5
JONES WM E 337-7334+5
MATTSON S 338-1262 4
2T MATTSON STEPHEN A 962-0914+5
MEYER JACK 337-4810+5
NORVELL DANNY O 337-3449+5
PEREZ FRED 338-7933+5
SPIVEY JAS 962-3045 4
2A TOBIN MURRAY 962-0914+5
WILSON MICKEY 338-6298+5
WOODS TERRY L
1545----------
1549----APARTMENTS 338-5070 3
1C ARTHUR ROGER B 962-7386+5
BARBER ROBT 962-1945+5
DIBLASI F 962-8495 4
1C GUZMAN IGNACIO 962-8495 4
1C GUZMAN MARIA 962-7392+5
MINKKINEN JOYCE 337-7542 4
REEVES GEO W 337-0921+5
1L ROSE JOS A 962-2348 4
SANDERS CHARLENE 960-1144 3
1P SCHNEIDER MICHAEL 338-9377+5
1K SMITH K E 962-0846+5
VERA ROBT C 960-1446+5
YUSCHAK MICHAEL JR
1549---------- 331-5919 2
1550*ROGERS DIP&DIP OUT 966-5815 2
1554 DENNIS MUFFLERS 966-5815 2
*MUFFLERS BY DENIS 966-8325+5
1568*GREENE RICHARD F 331-9510
1570*COVINA SCREEN&PATIO
1572 XXXX 966-8653 4
1574*HARRIS&RUTH PAINTNG 338-2468+5
1579 JONES RALPH O 966-8619+5
1580*A C I POSTAL SYSTEM 331-4417+5
*BRAND ENGINEERING 966-3312+5
*BROWN MOVING&TRNSFR 966-3312+5
*BROWNS MOVNG&TRNSFR 967-4448+5
*LAMPLIGHT FARMS 967-4448+5
*LAMPLIGHT PRODUCTS 331-5181+5
*N A N GRINDNG RSRCH 967-3058+5
*PCS MACHINES 967-1270+5
A*ALMARK ENGINEERING 339-4519+5
1600*WEBERS BREAD 338-6612 3
1611*BILLS AUTO BODY 338-8426
*BLACKAROS SUPER SV 338-3086+5
KEMPF FRANK M 338-1171+5
1623*PICKS BLDG MATERIAL 960-1314
1631*FOND CO INC M E 962-2341
FOSTER ANN 962-2341
FOSTER DEAN 337-2400
*GROSS EGG RANCH 962-6939+5
*SANGBRL VLY EGG FRM 966-3013
1635*HARRELLS TRNSMSN SV 332-9191
1641*SOCIETY CLEANERS 962-9178+5
1643*ALTA DENA DRIVE IN 967-1313
1647*HGR DYNO SERVICE 966-4444
1656*SCHEIB EARL 332-9104
1661*LOBBYS MXCN RSTRNT 332-3818
1665*JOHNNYS DRV IN LQUR 331-9380
1680*MACKS ARCO 331-9022
1681*WEENLYS CHEVRON SRV 216 NEW
* 111 BUS 331 RES

SAN BERNARDINO RD W 91790

W COVINA
1513 CANN DALE R 960-2284+5
1521 SANDERFER SANDRA K 960-2146+5
1545 CASTRO JOHNNY 960-1458+5
MASSEY CHAS WM 962-7300+5
1710*PHILLIPS PETROLEUM 337-3419 4
1723 ROACH CURTIS 960-2291 3
1731 NISSEL ELI 337-3549
1733*GAYHURST KENNELS 337-5738
REPPERT LOUISE 337-5738 4
1741*CANIS MEA KENNELS 337-6312 2
*MEA CANIS KENNELS 337-6312
1807*CITY REFUSE SERVICE 962-4031+5
*WEST CVNA DISPSL CO 962-4031
1823 GREENBAUM L S DVM 337-2023 4
VANCISE THOS DVM 337-2023+5
*WEST COV PET HSPTL 337-2023+5
WOODY DON DVM 337-2023 3
1827*AZUSA CANYN RD STN 962-9379 2
1907*LOVE BUG REPAIR THE 962-9254 3
1915*KEG LIQUOR 337-9158
1921*WEST COV AUTO BODY 962-8311+5
*WEST CVNA AUTO BODY 962-1506
1927*SANITATN DIST LA CO 962-8605 3
1931*CAR BARN THE 338-7911 2
*SPEEDWAY ASSOCIATES 338-6075+5
2009*CRAFT MASTERS FENCE 337-5921
2037 XXXX 00
2105*NORTH FORTY 962-9234
2107*A R GRAY CNSTRCTN 960-2752 4
*GRAY AL R 960-2752 4
2130 LAWRENCE WILMA 337-2983
2131----RAINBOW MBL ESTATES 338-9402+5
ALDRIDGE B B 337-5256 4
53 ALLEN JULIAN C 338-9942 4
78 ALLRED JOHN JR 962-8278 4
68 AMIDAN FRANK 338-9477
34 ANDERSON FREDA B 338-3303 4
94 BABCOCK L M 337-8056
95 BAKER FRANK P 960-2326 3
96 BARRY DENNIS

*KENTUCKY FRD CHICKN
1021 KERN ALVIN C 332-3896
1031 STEWART ROBT 332-4742+2
1045 REEVES JACK 966-4765
1059 EICHENBERG GEO A 331-1702+2
1067*COVINA 7 DAY ADVNT 339-1559+2
*7TH DAY ADVENTST CH 339-1559
1103 MCDONALD M M 339-4008+2
1109 SIMS EDITH T 339-5089
WEIGEL GEO H 331-3474
1117 BAWDEN WM L 339-6374
BOUCHARD R 339-0089+2
THOMAS EMOGENE 966-8739+2
1137 CAMPOS ROBT 332-0293
EICHENBERG GEO H 331-5911+2
SNORTLAND INGEBORG 331-1470
1141 GOODRICH E 332-4579+2
NAFFIN ALEX 339-5775
NELSON MAUDE 967-2592+2
ROUILLER ROY A 966-3350+2
1149 SWAILES HELEN A 339-4485
VENIE M ELEANOR 331-4227
1155 FERRARA MARY 331-2308
KNOWLES WM 967-1672+2
1163 DUFFEY ROBT G 966-3110
PETTY NEIL 339-6000+2
PETTY SHARRON K 339-6000+2
WILLIAMS A A 966-0107+2
1167 BIELEWICZ CHESTER 331-0237+2
GARCIA ANNA H 331-1090
MIRACLE VERNE V 339-6994
1175 HAYES L L 331-1170
JACK KATHRYN 332-9887
MYERS DOUGLAS W 966-2228+2
1181 DIETRICK JULIE 966-1385
MADSEN JACK E 332-6970
SNOW LORENA M 966-2988
1203 ALOI LOUIS 339-1017
GRANNEMAN BRUCE 332-2089+2
1209 RYAN MARCELLA C 966-5590
YOUNKER ALVIN M 332-2593
1215 ROBERTSON A G 966-2734
1221 BLAKEY ROBT T 332-0573+2
COLLETT THOS 966-4106
MATHWIG C J 332-0746+2
1229 LAWSON SCOTT 339-5976+2
SMITH JOHN E 966-5518
1235 FREYBERG WARREN S 332-1234
NORTON LEO H 339-4182
OWENS DEL L 966-7924+2
REEVES ALICE L 332-6763
1243 HARDIN M B 332-8578+2
LEBAS DANL 332-6484+2
1247 CRAIG E B 966-9524
GARCIA ELISEO 967-2140+2
STERN RICHARD A 332-0042
1255 CANTWELL BEA 331-3739
DYE MAUDE 331-5026
RITZ HENRY 332-8403
SIGWALT MYRTLE 332-4682
1261 BURAK H E 339-7196
FINN THOS 966-3466
KELLY ADELE M 332-9485
LEWIS T G 966-9597
1269 HOWARD ARTHUR 332-2985+2
STEVENSON MARY L 332-8161
1275 BIZIK JOS J 339-0659
*JERRY PEDODONTIC LB 331-8492
PERNA R 331-1970
1440 COX WM S 331-6123
1450 MARKSBURY OLLIE 332-0255
1460 JAGGER DONALD R 966-0172
1480 FAGATT ROBT 332-7373
TROST LELAND 332-3576

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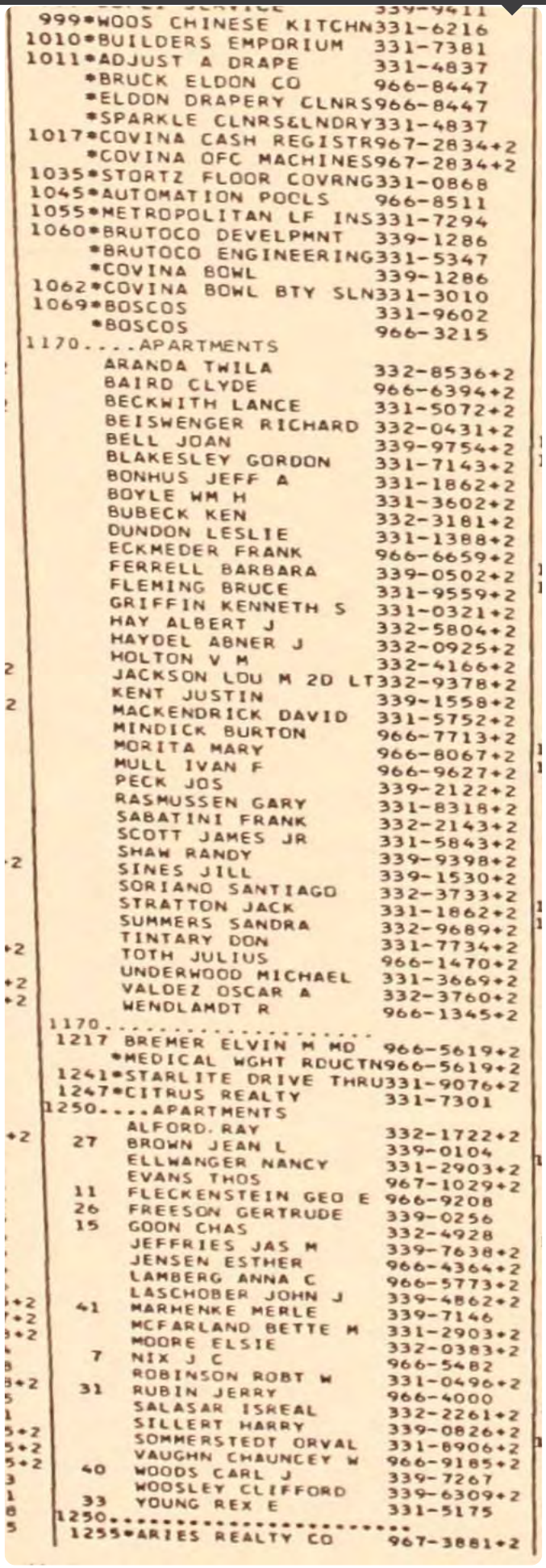
963 MAYBURY ROBT G 966-5208+2
1004 CANFIELD CARL L 339-5624
1032 CHALAIS TOM C 339-1042
1065*RADIO SHACK 966-1661+2
1082 TUCKER GILBERT JR 331-7602
1085*NATIONAL LIFEACCDNT966-1759+2
1103*WEE WISDOM NRSY SCH332-3881
1108*KENNYS MACHINE SHOP332-3177
OVERMOLTZER K L 332-3177
1111*DIAL A PRYR UNTY CH339-6520
*UNITY CHURCH 966-9002
1117 XXXX 00
1121 LEROY JOHN 339-7559+2
1123 PUNK CAROLYN 967-1695+2
1129 XXXX 00
1163 MAPLES GLADYS I 339-3383
1171 TAYLOR DEE T 339-4122
1179 BAKER TOM 966-2208+2
1181 XXXX 00
1187 CONNELLY ROBT P 332-4839+2
1189 XXXX 00
1203 JORDE LINDA 339-0487+2
1207 POMERANTZ JENNIE 966-6178
1211*CARTER ARCHIE M 331-3909
CARTER ARCHIE M 332-4464
1216 MYLES RONALD 331-4471+2
1227 JACOBSTEIN RONALD 966-9068+2
1228 BRUTOCAO LEONARD A 332-3777
1229 KRAUS FRANK 332-8188
1231 MANRUGLOUS JOHN 967-1355
1239 DEPAUW A 966-3767
1247 OSCISLAWSKI M 332-6739+2
1260 BRUTOCAO LEONARD J 331-3874
1260 FOSTER JACK N 332-2928
1270 PATERSON M J 339-9943+2
1271*CHURCH JESUS CHRIST331-9500
*CHURCH JESUS CHRIST332-7979
*CHURCH JESUS CHRIST332-8418
* 102 BUS 93 RES 93 NEW

BADILLO W 91773 SAN DIMAS

1615 DUARTE ALEXANDER C 331-4174
1621 LARNER ALBERT 332-4889
1627 DAVIS ELLIS O 966-9209
* 0 BUS 3 RES 0 NEW

BADILLO W 91790 WEST COVINA

1417*FAITH ASSEMBLY GOD 338-0419
1437*CH OF THE NAZARENE 962-2740



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                                339-9411
  999*WOOS CHINESE KITCHN       331-6216
1010*BUILDERS EMPORIUM          331-7381
1011*ADJUST A DRAPE             331-4837
     *BRUCK ELDON CO            966-8447
     *ELDON DRAPERY CLNRS       966-8447
     *SPARKLE CLNRS&LNDRY       331-4837
1017*COVINA CASH REGISTR        967-2834+2
     *COVINA OFC MACHINES       967-2834+2
1035*STORTZ FLOOR COVRNG        331-0868
1045*AUTOMATION POOLS           966-8511
1055*METROPOLITAN LF INS        331-7294
1060*BRUTOCO DEVELPMNT          339-1286
     *BRUTOCO ENGINEERING       331-5347
     *COVINA BOWL               339-1286
1062*COVINA BOWL BTY SLN        331-3010
1069*BOSCOS                     331-9602
     *BOSCOS                    966-3215
1170....APARTMENTS
       ARANDA TWILA             332-8536+2
       BAIRD CLYDE              966-6394+2
       BECKWITH LANCE           331-5072+2
       BEISWENGER RICHARD       332-0431+2
       BELL JOAN                339-9754+2
       BLAKESLEY GORDON         331-7143+2
       BONHUS JEFF A            331-1862+2
       BOYLE WM H               331-3602+2
       BUBECK KEN               332-3181+2
       DUNDON LESLIE            331-1388+2
       ECKMEDER FRANK           966-6659+2
       FERRELL BARBARA          339-0502+2
       FLEMING BRUCE            331-9559+2
       GRIFFIN KENNETH S        331-0321+2
       HAY ALBERT J             332-5804+2
       HAYDEL ABNER J           332-0925+2
       HOLTON V M               332-4166+2
       JACKSON LOU M 2D LT      332-9378+2
       KENT JUSTIN              339-1558+2
       MACKENDRICK DAVID        331-5752+2
       MINDICK BURTON           966-7713+2
       MORITA MARY              966-8067+2
       MULL IVAN F              966-9627+2
       PECK JOS                 339-2122+2
       RASMUSSEN GARY           331-8318+2
       SABATINI FRANK           332-2143+2
       SCOTT JAMES JR           331-5843+2
       SHAW RANDY               339-9398+2
       SINES JILL               339-1530+2
       SORIANO SANTIAGO         332-3733+2
       STRATTON JACK            331-1862+2
       SUMMERS SANDRA           332-9689+2
       TINTARY DON              331-7734+2
       TOTH JULIUS              966-1470+2
       UNDERWOOD MICHAEL        331-3669+2
       VALDEZ OSCAR A           332-3760+2
       WENDLAMDT R              966-1345+2
1170.....................
 1217 BREMER ELVIN M MD         966-5619+2
     *MEDICAL WGHT RDUCTN       966-5619+2
1241*STARLITE DRIVE THRU        331-9076+2
1247*CITRUS REALTY              331-7301
1250....APARTMENTS
       ALFORD. RAY              332-1722+2
   27  BROWN JEAN L             339-0104
       ELLWANGER NANCY          331-2903+2
       EVANS THOS               967-1029+2
   11  FLECKENSTEIN GEO E       966-9208
   26  FREESON GERTRUDE         339-0256
   15  GOON CHAS                332-4928
       JEFFRIES JAS M           339-7638+2
       JENSEN ESTHER            966-4364+2
       LAMBERG ANNA C           966-5773+2
       LASCHOBER JOHN J         339-4862+2
   41  MARHENKE MERLE           339-7146
       MCFARLAND BETTE M        331-2903+2
       MOORE ELSIE              332-0383+2
    7  NIX J C                  966-5482
       ROBINSON ROBT W          331-0496+2
   31  RUBIN JERRY              966-4000
       SALASAR ISREAL           332-2261+2
       SILLERT HARRY            339-0826+2
       SOMMERSTEDT ORVAL        331-8906+2
       VAUGHN CHAUNCEY W        966-9185+2
   40  WOODS CARL J             339-7267
       WOOSLEY CLIFFORD         339-6309+2
   33  YOUNG REX E              331-5175
1250.....................
 1255*ARIES REALTY CO           967-3881+2
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--SAN BERNARDINO RD W 91722 CONT--
 1257 HARA B DSC                331-7391
      ROSENBLUM DALE DSC        331-7391+2
 1274*AMERICAN OIL SERV         331-9130+2
 1275*JIM YORKS SERV CNTR       331-1808+2
 1313*GARNETTS TEXACO           966-2312+2
 1350  XXXX                     OO
 1530*A&L COFFEE SHOP           339-2014+2
 1540*HARRIS&RUTH PAINTNG       339-8233+2
 1550*ROGERS DIP&DIP OUT        331-5919+2
 1554  DENNIS MUFFLERS          966-5815+2
      *MUFFLERS BY DENIS        966-5815+2
 1568*BROWNS MVNG&TRNSFR        966-3312
 1570*COVINA SCREEN&PATIO       331-9510
 1600*WEBER BAKING CO            339-4519
 1635*HARRELLS TRNSMSN SV       966-3013
 1641*SOCIETY CLEANERS          332-9191
 1647*ATHANS TOW SERVICE        337-8916+2
      *H&R DYNO SERVICE         967-1313
 1651*VIN SAN BARBER SHOP       966-3161
 1656*SCHEIB EARL               966-4444
 1661*LOBBYS MXCN RSTRNT        332-9104
 1665*JOHNNYS DRV IN LQUR       332-3818
 1680*MACKS ARCO                331-9380
 1681*WEEKLYS CHEVRON SRV       331-9022
      *  93 BUS   110 RES       92 NEW

SAN BERNARDINO RD W 91790 W CVNA

1513....WEST COVINA APTS
       BERESFORD DAVID R        338-1780+2
       CASTLEBERRY TIM          962-0083+2
       CHEEK FRED               337-8422+2
       EKLUND PHILIP G          962-5263+2
       FAVERO JUAN              338-2969+2
       FAVERO RUBIN             962-8520+2
       GLOVER RODNEY LT         337-5026+2
       GRESHAM CARROL           962-0750
 10X   GRIFFITH BOB             337-6320
       HOWARD DAVID             338-4783+2
       LEDBETTER OTIS           337-8604+2
       MAMMEN LEWIS             337-0170+2
       SADICH CAROL MRS         338-7891
 100 *WEST COVINA APTS          962-6803
1513.....................
1517....APARTMENTS
       CANNON CHRYL             962-7638
       GRATSON ALEXANDER        338-1975+2
       HAYNES C                 338-2258+2
       HIGGINS CHAS F           337-0661+2
  9I   HILTUNEN DONALD J        962-7865
       MCMAHON ANN              337-3087+2
       MORO J ANTHONY           962-8041+2
       PETRIK MILOSLAV          338-0335+2
       ROLLY STACI              338-2494+2
       ROWLEY JOHN              338-7961
       STEELE CHAS K            960-2091+2
  9D   SUMNER BERTIE LOU        962-5679
       TRACY E P                962-7269
1517.....................
1521....APARTMENTS
       ANDREWS JAS H            338-7489+2
       COWAN WILLIE D           962-0472+2
       ESTRADA LILLIAN          337-5932+2
       THACKER ALAN SCOTT       962-6035+2
       WYATT DONNA              338-6068+2
1521.....................
1525....APARTMENTS
       BORDEN JOY P             337-3655+2
  7J   DEVICH ROBT N            962-0055
  7F   EATON BETTY              337-0591
       GENTRY JOE H             338-8364+2
       KINZIE DIANA RAE         338-9300+2
       NELSON WM J              960-1343+2
       PAGANO PAUL B JR         962-5373+2
  7K   PARKER ROBT H            962-6260
1525.....................
1529....APARTMENTS
       BIRCHAM ALIN             338-7856+2
       JOHNSON THOS             338-4988+2
       MCCOLLOUGH JERRY         962-0286+2
  6V   MIANO JOHN S             962-0949
       NEEDS THOS C             962-5458+2
  6W   RUDE EMIL P              337-7127
       STURGEON BOB             962-0070+2
1529.....................
1533....APARTMENTS
  5A   BUCHAN ALVIN             338-5733
       HONEYCUTT FREDA          962-2321+2
       JENNINGS D               960-2106+2
       MCCREADIE FORREST        962-4623+2
  5K   MORRIS DAVID E           337-1503
       MULLIGAN DAVE            338-2384+2
       NICHOLAS RICHARD         338-2573
       ROGERS GLORIA            337-3463+2
  5B   SANKO STANLEY            962-0301
       SHUKLA TANSUKH           338-4942+2
       VIETH RICHARD            337-8020+2
       WALTERS JOHN R           337-1908+2
       WEBB WM L                337-0708
1533.....................
 1537  MEEKS LANA               337-5433+2
       TAMPIO BENJAMIN SR       960-1796
       VOLPE THOS               962-5089+2
       ZACKERY NATHAN           962-2960+2
 1541....APARTMENTS
       BRYER RONALD J           962-0243+2
       CLIFFORD MARY F          337-1029+2
       LAWHON SUE               338-6966+2
       RASMUSSEN BARBARA        338-2293+2
       SALAZAR ROY              337-7690+2
       SEYMOUR ROBT J           338-8538
       THOOS PAT                962-1931+2
       TOURVILLE L              337-3449+2
       WILLIAMS JAS H JR        338-3858+2
1541.....................
 1542*THE SANDS                 331-9032
1545....APARTMENTS
       DENTON HAROLD L          338-6580+2
       GARCIA CRUZ JR           337-8540+2
       GORDON HAROLD            337-2524
  2K   HAYDEN JAS A             962-9724
  2E   HUBBARD RAY              962-3064
       LAPLANTE GERARD          962-1447+2
       PONCE LINDA              338-9233+2
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RORYE HENRICK 337-2434•
2P WAYMACK JAS 960-1127
1545.......................
1549....APARTMENTS
COX MICHAEL A 338-4897
CRONIN JOS K 962-1239•
1G LISTER STEPHEN A 338-1995
MUSSER DAVID 962-7352•
NAVARRETE MANUEL 338-2951•
OMARY J T 962-2658•
SMITH DELBERT GENE 337-7852•
SRINIVASAN S 337-8824•
STEPP LARRY 962-0558•
THORNTON WILLARD D 338-9354•
UGRIN JERRY 337-0451•
WEBBER GEO 962-1545•
1549.......................
1611*BLACKARDS BODY SHOP338-6612
*BLACKARDS SUPER SV 338-8426
*F K TRANSMISSION SV338-3086•
1623*PICKS BL MTRLS&SPLY338-1171
1631*FOND CO INC M E 960-1314
FOSTER ANN 962-2341
FOSTER DEAN 962-2341
*GROSS EGG RANCH 337-2400
1643*ALTA DENA DRIVE IN 962-9178
1651*JANES COIFFURES 339-0514
1680*RAY VINES SERV CTR 331-5720
1710 XXXX 00

932 □MARKET BASK 331-
973 HAMILTON, JANET 339-9782
1021 KIRKPATRICK, WM V 331-4381
1031 WAGNER, LORRAINE A ED 91559
1067 □SEVENTH DAY AD CH
1103 APARTMENT
1103 □W WSDOM NURSERY SCHL 332-3881
B• CLAPP, JACK T 332-6936
C• SEARS, KENNETH 966-6097
1109 APARTMENT
A• WEIGEL, GEORGE H 331-3474
B• HARRIS, JAMES R 339-9679
C• GILDEN, JACK 332-2831
D• MILLER, VERNON L 331-4157
1117 APARTMENT
A• HEDGES, L 332-6720
C• BAWDEN, WILLIAM L 339-6374
D• FISCHER, SUSAN 332-3739
1137 APARTMENT
A• PARK, TERRY 966-2961
B• MICHAEL, M 332-0242
C• CLARKE, DAN W 966-3959
1141 APARTMENT
A• MOON, JERRY 331-1165
1149 APARTMENT
A• WITT, JOE B 966-5804
C• FORSBERG, E K 331-6669
D• VENIE, M ELEANOR 331-4227
1155 APARTMENT
D• POWELL, J L 331-7863
1163 APARTMENT

BADILLO	ST E	
	STOUDT, JAMES R	331-9677
A•	□LANDSCAPE CONS SERV	332-2119
B•	APARTMENT	
1167	CLINTON, RAY L	331-6147
C•	ALLEN, ROGER	331-9440
D•	APARTMENT	
1175	SALFRANK, ALFRED O	331-5756
A•	BLACKETON, ROBERT J	966-1844
B•	JACK, K	332-9887
D•	APARTMENT	
1181	LOWE, SAM	332-7930
B•	SNOW, LORENA M	966-2988
D•	APARTMENT	
1203	STERLING, R B	339-0214
A•	ALOI, LOUIS	339-1017
B•	ALLEN, MINNIE H	339-8259
C•	JONES, DAVID R	339-1418
D•	APARTMENT	
1209	GRAY, J E	331-6031
A•	BACA, ROBERT L	966-5547
B•	APARTMENT	
1215	ZORN, STEVE	339-9095
A•	EWERS, VELMA	966-2742
B•	WALEN JR, JOHN	332-0460
D•	APARTMENT	
1221	BROWN, ROY G	966-6657
B•	LEWIS, R J	331-4274
C•	MC REYNOLDS, WARD	331-9365
D•	APARTMENT	
1229	WEREB, ANNA M	966-5518
B•	MONROE, CHARLES W	966-3135
C•	BURING, JOHN A	966-3848
D•	APARTMENT	
1235	KINGSLEY, DAVID C	966-5841
A•	OLSON, BETH M	966-4087
B•	REEVES, A L	332-6763
D•	APARTMENT	
1243	GLATTLEY, RALPH C	331-3119
B•	NOSTRAME, ANDREW	339-5579
C•	URLIE, KARL	966-3369
D•	APARTMENT	
1247	MAC RITCHIE, ANGUS	339-3074
B•	WILLIAMS, ROBERT C	331-2590
C•	DUDLEY, RALPH	331-4620
D•	APARTMENT	
1255	BUTLER, F A	331-6631
A•	RITZ, HENRY	332-8403
B•	CANTWELL, BEA	331-3739
C•	DYE, MAUDE	331-5026
D•	APARTMENT	
1261	COMSA, JOHN	332-6509
A•	WILLIAMS, CARL W	331-2705
C•	APARTMENT	
1269	STEVENSON, MARY L	332-8161
A•	PERNA, ROSE	331-1970
C•	KEVIL, PAUL D	966-4733
D•	APARTMENT	
1275	HANCOCK, MAME	331-8063
A•	COYLE, G	332-2317
C•	CARBREY, PAULINE	331-8723
L•	COX, W S	ED 16123
1440	DAVIS, FRANK K	332-5012
1460	LAWRENCE, W	ED 96453
1470	FAGATT, R	ED 27373
1480	CHEN, P S K	ED 17730
1504	FINCH, M P	ED 16168
1514	MARVIN	339-6177
		ED 98911

1004	CANFIELD, C L	339-5624
1014	WILKERSON, KENNETH L	339-8093
1065	□ACORN ARROW ELECTRNC	966-1661
1082	TUCKER JR, G	331-7602
1085	□NATL LFE/ACCIDNT INS	966-1759
1108	□KENNYS MACHINE SHOP	332-3177
1111	□UNITY CH/FOOTHILLS	339-9002
1119	LYON, MARJA	339-4667
1123	GUNDEL, GEO L	966-6101
1129	GIORDANI, LEONARD W	332-9933
1163	MAPLES, G I	339-3383
1171	TAYLOR, D T	339-4122
1179	LANDON, STEPHEN	966-2859
1181	PARKS, I	966-6462
1183	PAYNE, MYRTLE J	966-6130
1201	TILBURY, GORDON M	332-1731
1203	WALKER, GARY L	331-6706
1205	ROBERTSON, BRUCE	966-2328
1207	POMERANTZ, JENNIE	966-6128
1211	CARTER, A M	332-4464
1211	□CARTERS SANITATION	331-3909
1216	HARMS, GEORGE	331-3218
1223	NIELSEN, WALTER	331-6506
1227	NYTRAY, LESTER	332-6946
1228	BRUTOCAO, L A	332-3777
1229	SMITH, J L	332-4935
1231	SMITH, JOHN L	332-2148
1235	DE PAUW, A	966-3747
1237	KRAUS, FRANK	332-8188
1250	WYSON, ELAINE	966-6148
1260	FOSTER, J	332-2828
1270	PATERSON, M J	339-3943
1271	□CH/JESUS CHRIST/LDS	332-8418
1271	□CH/JESUS CHRIST/LDS	332-9090

1437	▫CHURCH/THE NAZARENE	962-2740
1802	▫DIXSONS CHEVRON SVC	337-8030

999	▫WOODS CHINESE KITCHN	
1010	▫BUILDERS EMPORIUM	
1011	▫SPARKLE CLNRS/LNDRY	
1017	▫SAN ANTONIO WINERY	
1035	▫STORTZ FLOOR CVRING	
1045	▫POOLS BY AUTOMATION	
1055	▫METROPOLITN LIFE INS	
1060	▫COVINA BOWL	
1062	▫COV BOWL BTY SALON	
1069	▫SIZZLER NO 33	
1250	APARTMENT	
1*	KUNESH, S	
7*	SHERRETT, ALICE L	
12*	WEST, W W	
13*	MARTORANO, JOSEPH	
17*	OLIVER, LEWIS A	
27*	WALESIAK, DAVE	
28*	INMAN JR, ARLIN	
34*	LOWERY, CHARLES E	
35*	MOSER, ARTHUR E	
36*	ZONNO, ANGELO V	
37*	HENDERSON, G S	
38*	MANN, BERNARD	
40*	WOODS, CARL J	
41*	DUNDON, LESLIE	
43*	ORRIN, P L	
1274	▫JOES AMERICAN SVC	
1275	▫SEIDEL / SON SVC	
1313	▫KNIGHT DELNO TEXACO	
1530	▫DARI DELITE VLMC/COV	
1542	▫GENNY ARLENES INN	
1550	▫TOMS DRIVE IN	
1554	▫JOHNNIE LEE RLTY CO	
1568	▫COVINA SCREEN/PATIO	
1574	▫SELWAY ENTERPRISE	
1611	▫HINCHCLIFFE REALTY	
1635	▫B / B PIT STOP	
1641	▫SOCIETY CLEANERS	
1647	▫BUDS AUTO SERVICE	
1656	▫SCHEIB, EARL	
1661	▫THE LOBBY	
1663	▫MARGES BEAUTY SALON	
1663	▫WALKERS VIN SAN BRBR	
1665	▫JOHNNYS DR IN LIQRS	
1680	▫DENNYS RICHFIELD SVC	
1681	▫WEEKLY CHEVRON SVC	

1513	APARTMENT	
1513	▫WEST COV APT	
Q•	OWENS, MRS DEL L	338-5402
4K•	COPPING, ALBERT E	338-1744
9D•	WARE, RICHARD	337-7943
10C•	WISEMAN, M	337-1164
10D•	GILLEN, ROBERT J	ED 88564
10E•	THOMSEN, JEAN M	338-7140
10F•	WOOD, GEORGE P	962-1840
10H•	LAURIE, EDMUND	962-1605
10N•	WILLMITE, E C	337-2727
10S•	EMERSON, LOU	338-3116
10V•	GUBKIN, ISRAEL	337-1730
1517	APARTMENT	338-1074
Q•	CAMPBELL, PATRICIA	337-6650
9A•	SCHUMAN, E	ED 71553
9C•	GARD, DARL B	338-7683
9F•	UPTON, LARRY	337-2145
9G•	MC GRATH, ROGER	338-3144
9H•	PETERSEN, EDWARD B	338-9081
9-I•	HILTUNEN, DONALD J	962-7865
9K•	SULLIVAN, JAMES F	338-3904
9L•	PFISTERER, ERICH H	962-2851
9N•	DYSLE, JOYCE L	962-7038
9O•	NOLAN, ROBERT	338-1233
9P•	MEISSNER, DON E	337-2386
9R•	BROWN, STEVEN	962-5090
1521	APARTMENT	
8A•	SHEPHERD, LEO F	337-3556
8G•	LINDLEY, DOUG	962-7692
8H•	BALERNA, JOHN S	338-8332
8I•	CHASE JR, VICTOR R	962-4749
8L•	CEDERGREEN, EDWIN F	338-1563
8P•	HEALY, LAURIE	338-2174
1525	APARTMENT	
G•	JONES JR, WILLIAM H	338-5322
7A•	STRAIN, FAYE	338-1923
7B•	MC LAUGHLIN, RAYMOND	338-0191
7E•	KLINEHOFFER, HAROLD	337-0565
7F•	EATON, BETTY	337-0591
7J•	HICKS, KENNETH	337-5677
7K•	PRESNER, CHARLES F	962-5336
7L•	CUTBIRTH, MICKEY G	338-6231
1529	APARTMENT	
1529	TRACY, EDWARD P	337-5560
6A•	RENTERIA, JIM	338-2548
6M•	HOLMES, WAYNE	962-7759
6N•	CASEY, MRS ENA	338-6001
6O•	COMER, J H	337-6894
6V•	COHEN, J H	338-5244
6W•	RUDE, EMIL P	337-7127
1533	APARTMENT	
5A•	SCHULTZ, CHARLES	338-9991
5F•	BROWN, KENT	962-4821
5G•	PITTMAN, DENNY	338-8211
1537	APARTMENT	
A•	GROENKE, ARTHUR W	337-7389
4B•	ALLARD, LLOYD P	962-6031
4C•	WHITTAKER, CHARLES T	337-9527
4E•	QUIJAS, ROBERT	338-2745
4G•	PARKER, WILLIAM E	337-6652
4H•	ALLIS, WARD	338-6220
1541	APARTMENT	
1541	LANFRANCO, JORGE A	338-6817
3G•	HAYDEN, JAMES A	338-4539
3I•	MEAMBER, JON	338-4961
3M•	BARR, E S	338-7988
3N•	VAN HEESWYK, GEORGE	337-0450
3Q•	CALLOWAY, JAMES	962-7469
1545	APARTMENT	
2E•	MAC DONALD, W D	337-4252
2F•	HUK, STEPHEN	962-4775
2G•	HASKELL, ARLINE	337-5710
2I•	LIPES, JERRY J	338-9037
2J•	BOUTBOUL, ANDRE S	962-4329
2L•	CASSIDY, MARTIN J	337-3438
2M•	PEED, ROBERT	338-2642
2N•	KELLY, BEVERLY	337-8689
2S•	HOSKINS, JACK	338-3936
1549	APARTMENT	
Q•	NORRIS, OLGA	338-1363
1H•	FANNIN JR, EDWARD J	338-4127
1M•	DALTON, DALVIS	338-2063
1P•	ANDERS JR, JOHN H	337-8866

1R•	MENAGH, DAVID W	962-2864
1W•	GRAF, ROBERT G	338-0751
14•	DALY, JOHN	337-5282
1611	▫BLACKARDS SUPER SVC	ED 88426
1611	▫F K TRANSMISSION SV	ED 83086
1611	▫MODERN RAD/WLDNG SV	338-7378
1623	▫PICKS BLDG MTRL/SPLY	338-1171
1631	FOSTER, A	962-2341
1631	▫GROSS EGG RANCH	337-2400
1710	▫PAULSONS FLYING A SV	337-9107

1021	FARMER, P L	ED 13550
1031	GIFFORD, R W	ED 16673
1039	BROWN, J T	ED 13628
1051	▫BROWN, J N	ED 27462
1067	▫SEVENTH DAY AD CH	ED 91559
1440	COX, W S	ED 16123
1450	DILLIARD, E M	ED 20255
1460	▫BENS TRENCHING SVC	ED 94720
1460	LAYTON, B H	ED 25012
1470	LAWRENCE, W	ED 96453
1480	FAGATT, R	ED 27373
1504	CHEN, P S K	ED 17730

1010	▫BUILDERS EMPORIUM	ED 17381
1011	▫SPARKLE CLNRS/LNDRY	ED 14837
1017	▫VIC TANNYS GYM/HLTH	ED 19051
1017	▫VIC TANNYS GYM/HLTH	ED 19077
1045	▫POOLS BY AUTOMATION	331-6338
1055	▫METROPOLITAN LIFE INSE	ED 17294
1060	▫BENEFICIAL FINANCE	ED 91286
1060	BRUTOCAO, L A	ED 23777
1060	▫COV BOWL BTY SALON	ED 13010
1542	▫ARLENES PLACE	ED 29223
1554	▫HEATLY REAL ESTATE	ED 14868
1554 1/2	▫LYNCH CABINET	ED 24312
1568	▫GARDENLAND NURSERY	ED 14223
1635	▫COVINA SCREEN&PATIO	331-9510
1635	▫WONDER BURGER COFFEE	332-9257
1641	▫SOCIETY CLEANERS	ED 29191
1647	▫PERFORMANCE ASSOC	331-9978
1656	GARVER, G S	ED 21259
1661	▫COVE INN THE	ED 29104
1663	▫MARGES BEAUTY SALON	ED 93508
1665	▫JOHNNYS DR/IN LIQRS	ED 29046
1680	▫LARRYS RICHFIELD SER	ED 18717
1681	▫WEEKLY/SONS CHEV SV	ED 19022

1513		APARTMENT	
1513		▫WEST COVINA APTS	YO 21318
1513		THOMAS, J C	ED 76719
	A*	RICHARDS, D J	ED 73921
	B*	HORSTMAN, R	YO 21728
	C*	WISEMAN, M	ED 88564
	D*	MAC MILLAN, MRS E	ED 74120
	H*	WEITSCHAT, M E	ED 74286
	I*	GREEN, DOROTHY	ED 78002
	J*	PEARL, J D	ED 71724
	K*	BELL SR, G M	ED 73557

		SAN BERNARDINO RD	ED 8095
	L*	BURLIN, R	962-2662
	N*	KIRK, M L	ED 76618
	S*	EVANS, V L	
1517		APARTMENT	ED 85144
1517		KNOLL, J	ED 71553
	A*	SCHUMAN, E	ED 77390
	C*	DAHMEN, C	338-3255
	E*	REED, D	ED 74754
	F*	TALLEY, W	YO 21339
	J*	GILES, J N	ED 75976
	M*	WEINSTEIN, R L	ED 71561
	T*	MC GEE, G H	
1521		APARTMENT	337-2016
	B*	PENDLETON, J M	ED 88217
	F*	DONAHUE, R L	YO 21671
	G*	LONG, R R	ED 72947
	H*	KURTZ, W H	ED 74438
	K*	OATMAN, L	ED 73215
	L*	SENF, B J	338-9487
	M*	KING, J D	ED 81432
	N*	LEHMAN, N R	ED 70756
	O*	DALE, B	338-3683
	P*	COUSINEAU, J	
1525		APARTMENT	ED8-6544
1525		GOODING, A	ED 85777
	A*	MUZYCHENKO, P J	ED 86876
	K*	ALBERT, L	
1529		APARTMENT	ED 83162
	C*	BOLVIG, V	ED 85940
	D*	WASSON, R L	ED 82935
	E*	HUFF, E	ED 89105
	G*	COLLIER, R A	ED 84019
	I*	RUBINSTEIN, J L	ED 73214
	N*	HERRERA, L	ED 78924
	O*	RUSS, A	ED 80496
	P*	MEISSNER, D E	ED 71064
	T*	BROADWAY, M	ED 88531
	U*	GREEN, C C	
1533		APARTMENT	ED 86798
	C*	ROBB, H W	ED 71057
	E*	LINDHOLM, H	ED 78694
	I*	GRAHAM, I	962-2242
	J*	CLARK, G	ED 77622
	M*	SCHURER, HEINRICH	ED 76286
	N*	DE FAZIO, R P	962-2669
	O*	LIPSCOMB, G	ED 75251
	U*	MEDLOCK, E	338-9087
	V*	PULLUM, C F	ED 76977
	W*	YELLON, P S	ED 89207
	X*	MASTEN, D	
1535		APARTMENT	ED 72156
1535		MANTHEY, G L	ED 86609
1535		NYCHEY, J	ED 74150
	21*	MANTHEY, C L	ED 80598
	4E*	MARTIN, S	ED 83070
	9P*	CAMPBELL, E M	
1537		APARTMENT	YO 21782
1537		CRAVE N JR, R W	ED 80178
	C*	ROSS, H T	YO 21707
	H*	GOMPERT, W	
1541		APARTMENT	337-6197
	C*	PALMER, R E	338-1578
	H*	LOTELLA, L A	ED 76100
	J*	MIRANDA, J	
1545		APARTMENT	ED8-3588
1545		FARMER, J A	YO 21361
	A*	KEATING, DR J L	ED 70471
	D*	FERM, M	ED 89638
	D*	RASP, J W	ED 80212
	E*	RITTENHOUSE, R W	ED 80624
	F*	BRIGHT, R P	ED 71790
	G*	BLOOMINGER, M M	ED 72156
	I*	MANTHEY, G L	ED7-3629
	P*	MAYSEY, D	ED 75958
	Q*	DOUGLAS, W M	ED 78823
	S*	ABRANOWSKI, S	ED 83190
	T*	COSTELLO, K	
1549		APARTMENT	ED 80944
1549		SMITH, R T	ED 86667
	E*	MILLER, J J	ED 74023
	F*	BRADLEY II, B F	ED 78573
	H*	GRAVES, W H	ED 83254
	I*	SHUMERK, F	ED 84169
	J*	PEDI, M	338-3809
	K*	KASLOW, E	ED 70283
	N*	PHILLIPS JR, R	ED7-2976
	O*	CARLSON, M I	ED 85640
	R*	JONES, DREDMOND	ED 73131
	S*	DERFLER, F	YO2-2044
	T*	RAMSAY, A	ED 85929
	U*	STRENGELL, P B	ED 71544
	W*	MASTROGUISEPPE, D	ED 84225
	Y*	COMPTON, D	ED 85752
	1*	MAKOWSKI, F	ED 79087
1611		▫BLACKARDS SUPER SER	ED 88426
1611		▫BLACKARDS SUPER SVC	ED 83086
1611		▫F K TRANSMISSION SV	ED 87378
1611		▫MODERN RAD/WLDNG SV	ED 81171
1623		▫PICKS BG MTRL/SUP C	962-2341
1631		FOSTER, A	ED 72400
1631		FOSTER, D	ED 89115
		FREDS FLYING A SVC	

1951
SOURCE: STREET ADDRESS DIRECTORY

BADILLO STREET

STREET NOT LISTED

1951
SOURCE: STREET ADDRESS DIRECTORY

SAN BERNARDINO ROAD

STREET NOT LISTED

--- END REPORT ---

ENVIRONMENTAL RISK INFORMATION SERVICES

FIRE INSURANCE MAPS

Project Property:	PNR0651FW1/267A (DAX9) 1211 Badillo Street West Covina CA 91790
Project No:	PNR0651FW1/267A (DAX9)
Requested By:	Geosyntec Consultants
Order No:	20200319269
Date Completed:	March 20, 2020

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		20200319269p
Date Completed:		March 19, 2020
Project Number:		PNR0651FW1/267A (DAX9)
Project Property:		PNR0651FW1/267A (DAX9) 1211 Badillo Street West Covina CA 91790
Coordinates:		
	Latitude:	34.08754426
	Longitude:	-117.92074178
	UTM Northing:	3772245.32026 Meters
	UTM Easting:	415057.447908 Meters
	UTM Zone:	UTM Zone 11S
	Elevation:	453.43 ft
	Slope Direction:	W

Topographic Information....2
Hydrologic Information....4
Geologic Information....7
Soil Information....9
Wells and Additional Sources....11
  Summary....12
  Detail Report....14
Radon Information....32
Appendix....33
Liability Notice....35

The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information

Current USGS Topo

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Baldwin Park, CA

Source: USGS 7.5 Minute Topographic Map

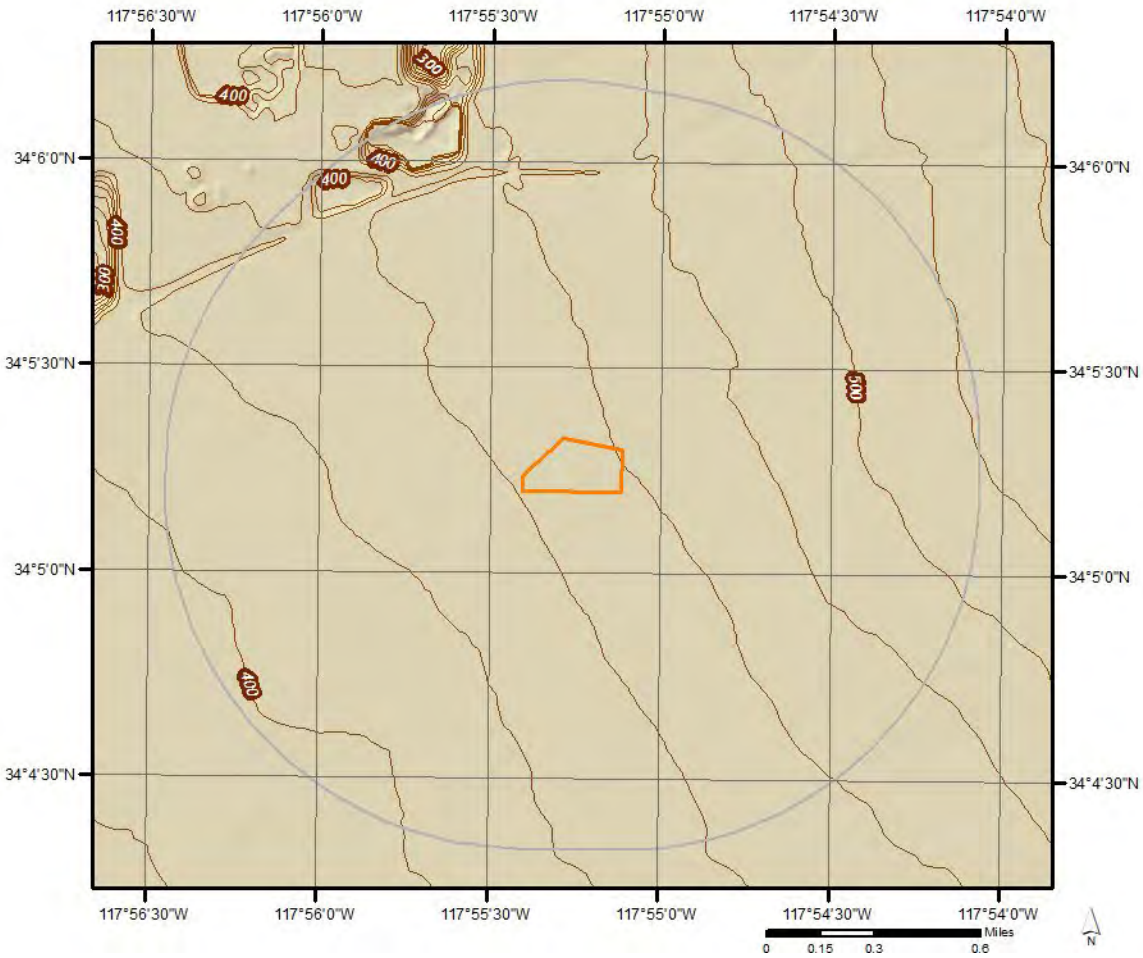
ERIS

Topographic Information

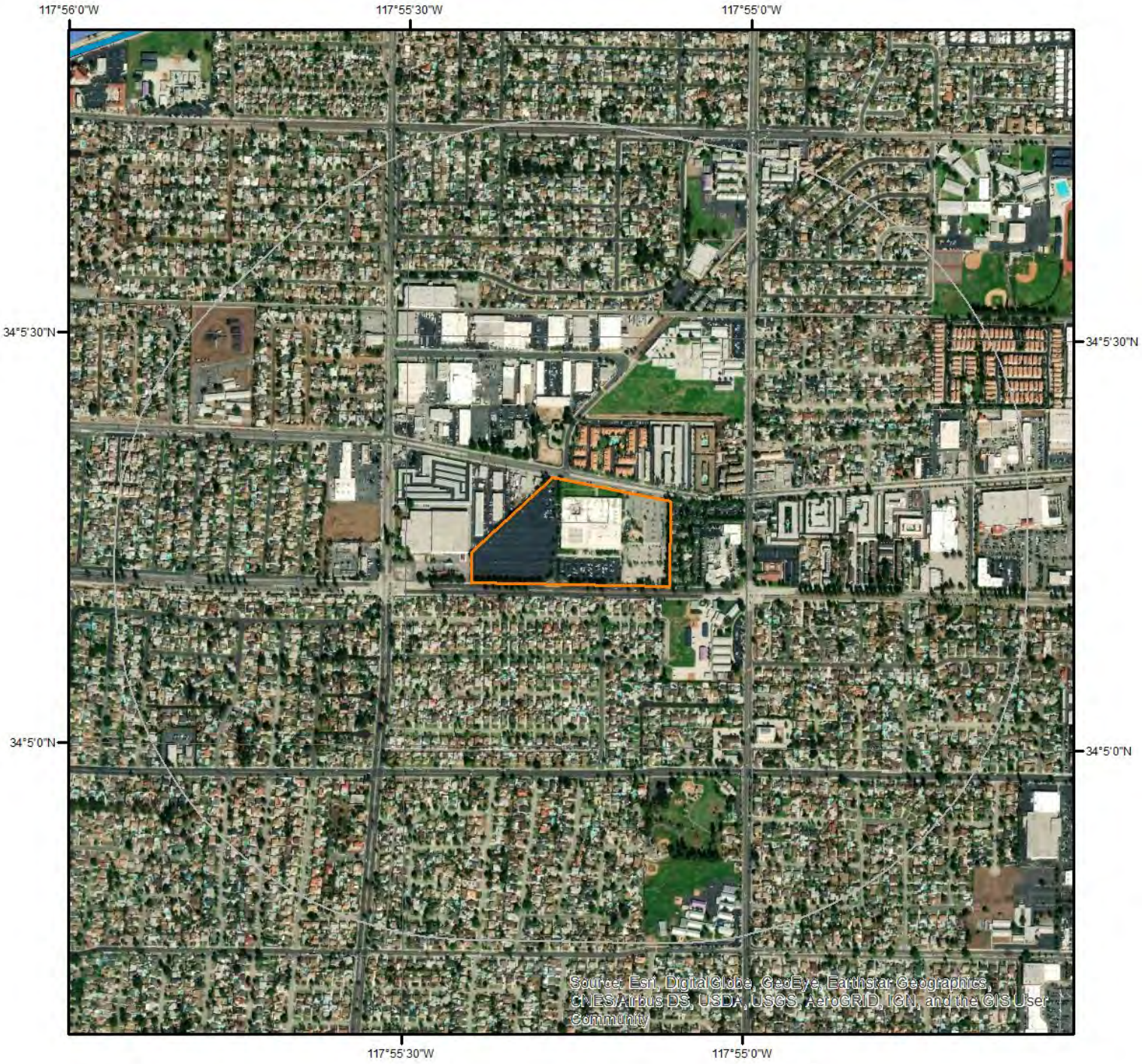
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	453.43 ft
Slope Direction:	W



Hydrologic Information



Wetland

0 0.075 0.15 0.3 Miles

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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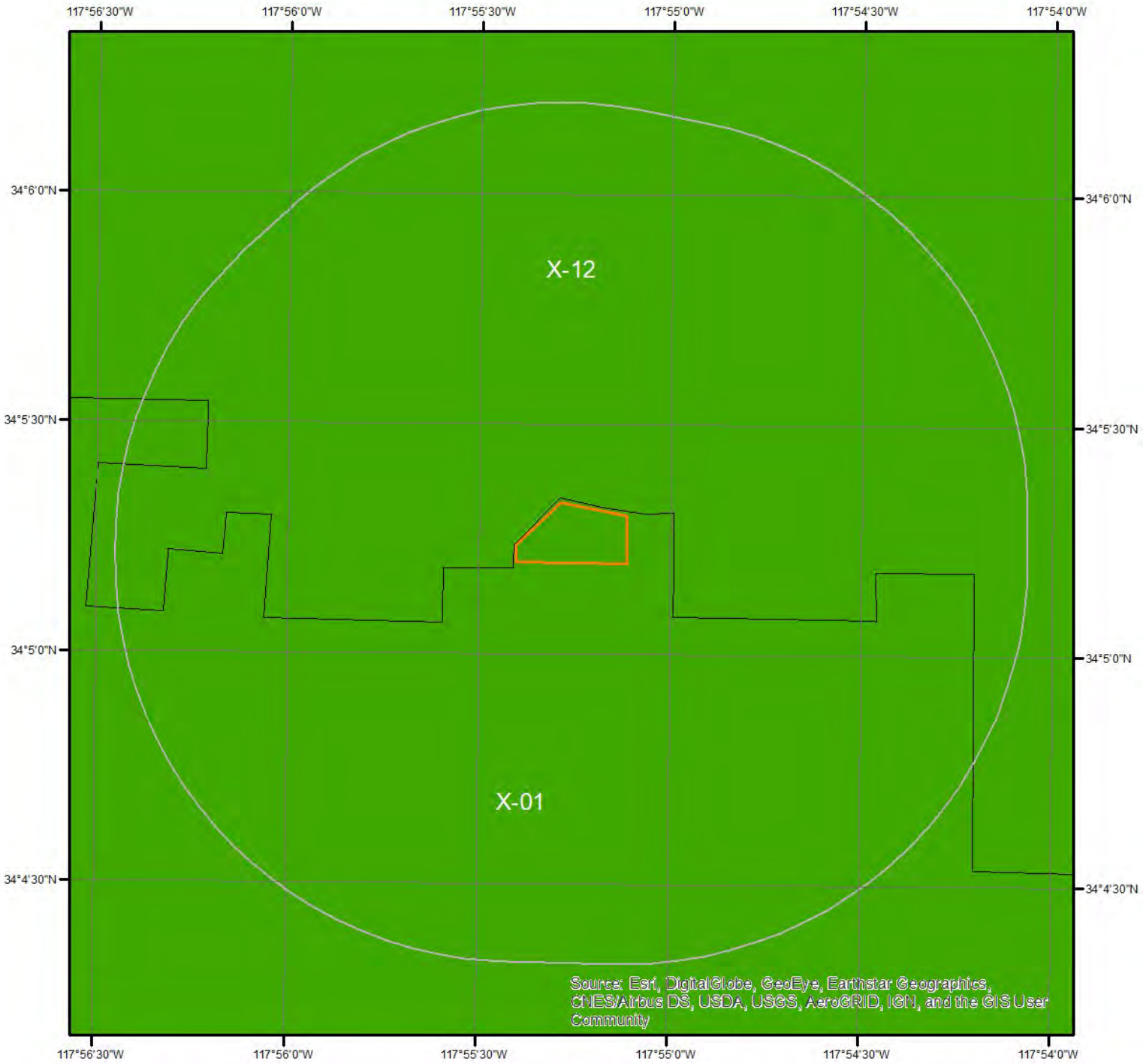
Hydrologic Information



Flood Hazard Zones

Miles
0 0.2 0.4

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

N

06037C1700F

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ENVIRONMENTAL RISK INFORMATION SERVICES

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.

Available FIRM Panels in area:	06037C1700F(effective:2008-09-26)

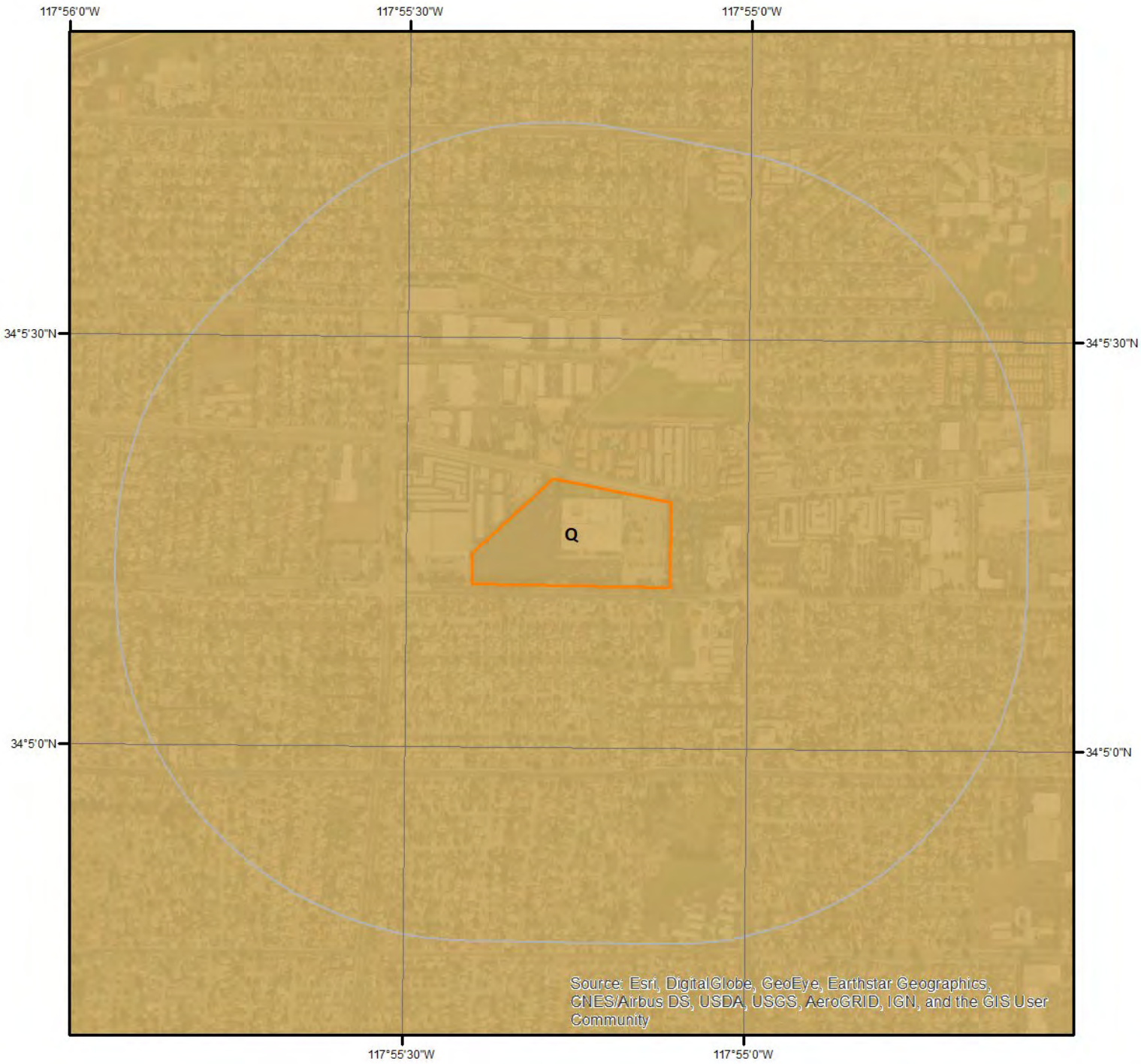
Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



0 0.2 0.4 Miles

N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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ENVIRONMENTAL RISK INFORMATION SERVICES

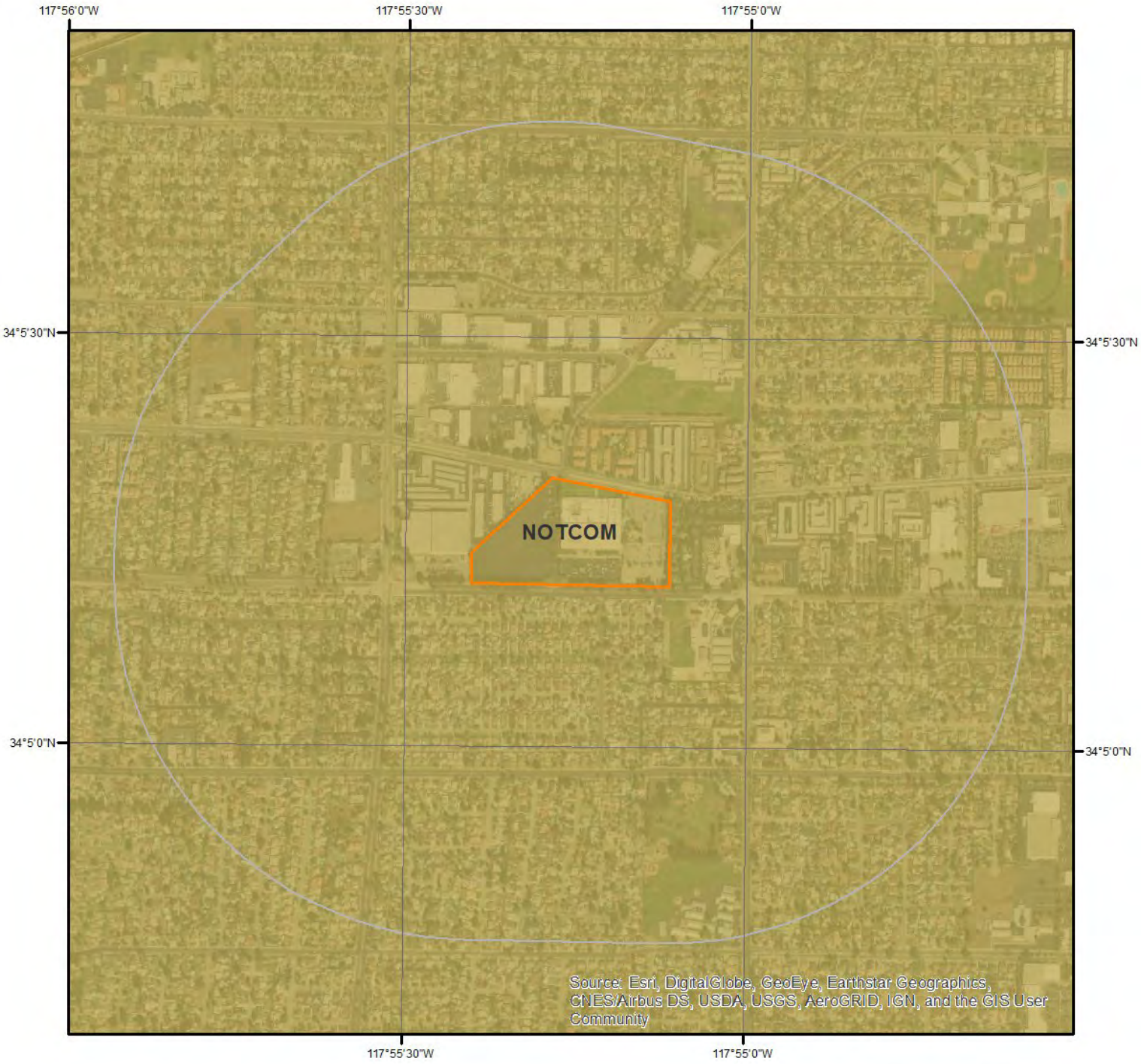
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pliocene to Holocene
Primary Rock Type:	alluvium
Secondary Rock Type:	terrace
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

Soil Information



SSURGO Soils

0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information

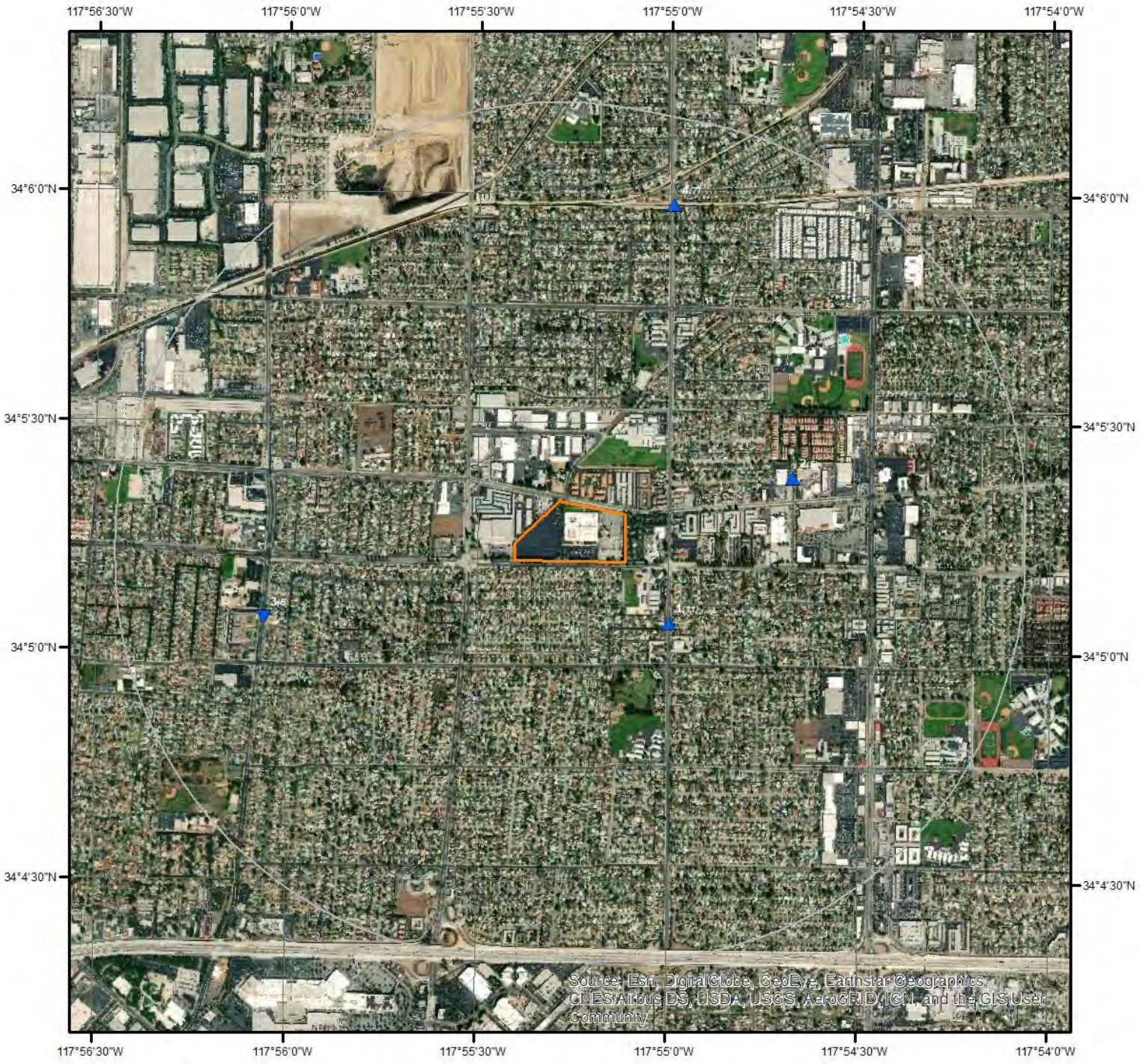
The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit NOTCOM (100.0%)

Map Unit Name: No Digital Data Available

No more attributes available for this map unit

Wells and Additional Sources



Wells & Additional Sources

- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

N

0 0.15 0.3 0.6 Miles

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
	No records found		

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	ID	Distance (ft)	Direction
	No records found		

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Periodic Groundwater Level Measurement Locations

Map Key	ID	Distance (ft)	Direction
	No records found		

Well Completion Reports

Map Key	WCR No	Distance (ft)	Direction
1	WCR1910-000159	999.09	SE
1	WCR1993-012533	999.09	SE
1	WCR2002-011965	999.09	SE
1	WCR1993-012529	999.09	SE
1	WCR2001-011395	999.09	SE
1	WCR1900-000050	999.09	SE
1	WCR1993-012530	999.09	SE
1	WCR1993-012532	999.09	SE
1	WCR1910-000078	999.09	SE
1	WCR1993-012534	999.09	SE
1	WCR1993-012531	999.09	SE
2	WCR1995-011843	2,263.47	ENE
2	WCR1995-011844	2,263.47	ENE
2	WCR1995-011840	2,263.47	ENE
2	WCR1995-011841	2,263.47	ENE
2	WCR1995-011842	2,263.47	ENE
3	WCR2001-013767	3,396.05	WSW

Wells and Additional Sources Summary

3	WCR2006-009354	3,396.05	WSW
3	WCR0308768	3,396.05	WSW
3	WCR2005-014120	3,396.05	WSW
3	WCR0120710	3,396.05	WSW
4	WCR1994-013145	4,139.83	NNE
4	WCR1920-000303	4,139.83	NNE
4	WCR0030050	4,139.83	NNE
4	WCR1994-013144	4,139.83	NNE
4	WCR0049523	4,139.83	NNE
4	WCR2001-011391	4,139.83	NNE
4	WCR2005-014119	4,139.83	NNE

Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SE	0.19	999.09	456.41	WATER WELLS

WCR No:	WCR1910-000159	Casing Diameter:	None
Legacy Log No:	C358O	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1910-11-01 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	271.0	Range:	10W
Test Type:	None	Section:	15
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.0844
Bottom Perf Intvl:	None	Decimal Longitude:	-117.91659
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	None		
Region Office:	DWR Southern Region Office		
Well Location:	BADILLO AVE, LARK ELLEN AVE		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SE	0.19	999.09	456.41	WATER WELLS

WCR No:	WCR1993-012533	Casing Diameter:	None
Legacy Log No:	491042	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1993-01-28 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W

Wells and Additional Sources Detail Report

Test Type:	None	Section:	15
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.0844
Bottom Perf Intvl:	None	Decimal Longitude:	-117.91659
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/Destruction/NA/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	San Bernardino Road		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SE	0.19	999.09	456.41	WATER WELLS

WCR No:	WCR2002-011965	Casing Diameter:	2
Legacy Log No:	763732	Fluid:	Not Available at Conversion
APN:	8458-16-1	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	2002-02-15 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	Direct Rotary	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	250.0	Range:	10W
Test Type:	None	Section:	15
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	Cathodic	Vertical Datum:	None
Top Perforated Int:	0	Decimal Latitude:	34.0844
Bottom Perf Intvl:	250	Decimal Longitude:	-117.91659
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	1061 Badillo Street		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SE	0.19	999.09	456.41	WATER WELLS

Wells and Additional Sources Detail Report

WCR No:	WCR1993-012529	Casing Diameter:	None
Legacy Log No:	491038	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1993-01-27 00:00:00.000000000	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	15
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.0844
Bottom Perf Intvl:	None	Decimal Longitude:	-117.91659
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/Destruction/NA/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	San Bernardino Road		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SE	0.19	999.09	456.41	WATER WELLS

WCR No:	WCR2001-011395	Casing Diameter:	None
Legacy Log No:	None	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:		Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	15
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None

Top Perforated Int:	None	Decimal Latitude:	34.0844
Bottom Perf Intvl:	None	Decimal Longitude:	-117.91659
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	None		
Region Office:	DWR Southern Region Office		
Well Location:	None		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SE	0.19	999.09	456.41	WATER WELLS

WCR No:	WCR1900-000050	Casing Diameter:	10
Legacy Log No:	346	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1900-07-01 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	300.0	Range:	10W
Test Type:	None	Section:	15
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.0844
Bottom Perf Intvl:	None	Decimal Longitude:	-117.91659
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	None		
Region Office:	DWR Southern Region Office		
Well Location:	BALDWIN PARK, LARK ELLEN AVE, ROWLAND AV		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SE	0.19	999.09	456.41	WATER WELLS

WCR No:	WCR1993-012530	Casing Diameter:	None
Legacy Log No:	491037	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None

Wells and Additional Sources Detail Report

Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1993-01-27 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	15
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.0844
Bottom Perf Intvl:	None	Decimal Longitude:	-117.91659
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/Destruction/NA/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	San Bernardino Road		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SE	0.19	999.09	456.41	WATER WELLS

WCR No:	WCR1993-012532	Casing Diameter:	None
Legacy Log No:	491041	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1993-01-28 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	15
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.0844
Bottom Perf Intvl:	None	Decimal Longitude:	-117.91659
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/Destruction/NA/NA		

Wells and Additional Sources Detail Report

City: Covina
Region Office: DWR Southern Region Office
Well Location: San Bernardino Road
Other Observations: None

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SE	0.19	999.09	456.41	WATER WELLS

WCR No:	WCR1910-000078	Casing Diameter:	None
Legacy Log No:	358	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1910-11-01 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	271.0	Range:	10W
Test Type:	None	Section:	15
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.0844
Bottom Perf Intvl:	None	Decimal Longitude:	-117.91659
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	None		
Region Office:	DWR Southern Region Office		
Well Location:	BADILLO AVE, LARK ELLEN AVE		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SE	0.19	999.09	456.41	WATER WELLS

WCR No:	WCR1993-012534	Casing Diameter:	None
Legacy Log No:	491040	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1993-01-28 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles

Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	15
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.0844
Bottom Perf Intvl:	None	Decimal Longitude:	-117.91659
Own Assign Well No:	P8		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/Destruction/NA/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	San Bernardino Road		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SE	0.19	999.09	456.41	WATER WELLS

WCR No:	WCR1993-012531	Casing Diameter:	None
Legacy Log No:	491039	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1993-01-28 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	15
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.0844
Bottom Perf Intvl:	None	Decimal Longitude:	-117.91659
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/Destruction/NA/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	San Bernardino Road		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ENE	0.43	2,263.47	484.86	WATER WELLS

WCR No:	WCR1995-011843	Casing Diameter:	1
Legacy Log No:	559838	Fluid:	Not Available at Conversion
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1995-11-09 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	Auger	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	61.0	Range:	10W
Test Type:	None	Section:	None
Pump Test Length:	None	LL Accuracy:	None
Mth of Determ LL:	None	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	Monitoring	Vertical Datum:	None
Top Perforated Int:	0	Decimal Latitude:	
Bottom Perf Intvl:	31	Decimal Longitude:	
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	USPS 545 N RIMSDALE AVE		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ENE	0.43	2,263.47	484.86	WATER WELLS

WCR No:	WCR1995-011844	Casing Diameter:	1
Legacy Log No:	559837	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1995-11-09 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	61.0	Range:	10W
Test Type:	None	Section:	None
Pump Test Length:	None	LL Accuracy:	None
Mth of Determ LL:	None	Baseline Meridian:	San Bernardino

Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	Monitoring	Vertical Datum:	None
Top Perforated Int:	40	Decimal Latitude:	
Bottom Perf Intvl:	61	Decimal Longitude:	
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	USPS 545 N RIMSDALE AVE		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ENE	0.43	2,263.47	484.86	WATER WELLS

WCR No:	WCR1995-011840	Casing Diameter:	1
Legacy Log No:	559832	Fluid:	Not Available at Conversion
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1995-11-10 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	Auger	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	61.0	Range:	10W
Test Type:	None	Section:	None
Pump Test Length:	None	LL Accuracy:	None
Mth of Determ LL:	None	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	Monitoring	Vertical Datum:	None
Top Perforated Int:	10	Decimal Latitude:	
Bottom Perf Intvl:	31	Decimal Longitude:	
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	USPS 545 N RIMSDALE AVE		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ENE	0.43	2,263.47	484.86	WATER WELLS

WCR No:	WCR1995-011841	Casing Diameter:	1
Legacy Log No:	559831	Fluid:	None

Wells and Additional Sources Detail Report

APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1995-11-10 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	61.0	Range:	10W
Test Type:	None	Section:	None
Pump Test Length:	None	LL Accuracy:	None
Mth of Determ LL:	None	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	Monitoring	Vertical Datum:	None
Top Perforated Int:	31	Decimal Latitude:	
Bottom Perf Intvl:	61	Decimal Longitude:	
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	USPS 545 N RIMSDALE AVE		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ENE	0.43	2,263.47	484.86	WATER WELLS

WCR No:	WCR1995-011842	Casing Diameter:	2
Legacy Log No:	559830	Fluid:	Not Available at Conversion
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1995-11-08 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	Auger	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	70.0	Range:	10W
Test Type:	None	Section:	None
Pump Test Length:	None	LL Accuracy:	None
Mth of Determ LL:	None	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	Monitoring	Vertical Datum:	None
Top Perforated Int:	0	Decimal Latitude:	
Bottom Perf Intvl:	70	Decimal Longitude:	
Own Assign Well No:	None		

Wells and Additional Sources Detail Report

Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program
Record Type:	WellCompletion/New/Production or Monitoring/NA
City:	Covina
Region Office:	DWR Southern Region Office
Well Location:	USPS 545 N RIMSDALE AVE
Other Observations:	None

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	WSW	0.64	3,396.05	414.43	WATER WELLS

WCR No:	WCR2001-013767	Casing Diameter:	2
Legacy Log No:	758789	Fluid:	Not Available at Conversion
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	2001-08-10 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	Direct Rotary	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	160.0	Range:	10W
Test Type:	None	Section:	16
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	Cathodic	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.08449
Bottom Perf Intvl:	None	Decimal Longitude:	-117.93429
Own Assign Well No:	Puente - Morada		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	West Covina		
Region Office:	DWR Southern Region Office		
Well Location:	s/o Puente Ave, e/o Morada Ave		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	WSW	0.64	3,396.05	414.43	WATER WELLS

WCR No:	WCR2006-009354	Casing Diameter:	2
Legacy Log No:	1098001	Fluid:	Not Available at Conversion
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	2006-02-02 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None

Wells and Additional Sources Detail Report

Received Date:		Well Yield Unit:	None
Drilling Method:	Direct Rotary	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	400.0	Range:	10W
Test Type:	None	Section:	16
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	Cathodic	Vertical Datum:	None
Top Perforated Int:	220	Decimal Latitude:	34.08449
Bottom Perf Intvl:	400	Decimal Longitude:	-117.93429
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	West Covina		
Region Office:	DWR Southern Region Office		
Well Location:	12221/2 Rowland Avenue		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	WSW	0.64	3,396.05	414.43	WATER WELLS

WCR No:	WCR0308768	Casing Diameter:	None
Legacy Log No:	E031371	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:		Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	16
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.08449
Bottom Perf Intvl:	None	Decimal Longitude:	-117.93429
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	None		
Region Office:	DWR Southern Region Office		
Well Location:	None		

Other Observations: None

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	WSW	0.64	3,396.05	414.43	WATER WELLS

WCR No:	WCR2005-014120	Casing Diameter:	None
Legacy Log No:	e031371	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	2005-06-01 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	16
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.08449
Bottom Perf Intvl:	None	Decimal Longitude:	-117.93429
Own Assign Well No:	Azusa Valley 1		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/Destruction/NA/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	16108 E San Bernardino Road		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	WSW	0.64	3,396.05	414.43	WATER WELLS

WCR No:	WCR0120710	Casing Diameter:	None
Legacy Log No:	None	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:		Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	16

Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.08449
Bottom Perf Intvl:	None	Decimal Longitude:	-117.93429
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	None		
Region Office:	DWR Southern Region Office		
Well Location:	None		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNE	0.78	4,139.83	481.45	WATER WELLS

WCR No:	WCR1994-013145	Casing Diameter:	4
Legacy Log No:	471911	Fluid:	Not Available at Conversion
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1994-10-14 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	Auger	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	26.0	Range:	10W
Test Type:	None	Section:	10
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	Monitoring	Vertical Datum:	None
Top Perforated Int:	16	Decimal Latitude:	34.09961
Bottom Perf Intvl:	26	Decimal Longitude:	-117.9165
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	City of Industry		
Region Office:	DWR Southern Region Office		
Well Location:	CHESTNUT ST E/O AZUSA		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNE	0.78	4,139.83	481.45	WATER WELLS

Wells and Additional Sources Detail Report

WCR No:	WCR1920-000303	Casing Diameter:	26
Legacy Log No:	C336G4	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1920-01-01 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	411.0	Range:	10W
Test Type:	None	Section:	10
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.09961
Bottom Perf Intvl:	None	Decimal Longitude:	-117.9165
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	None		
Region Office:	DWR Southern Region Office		
Well Location:	IRWINDALE AVE, WALNUT AVE, BONITA		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNE	0.78	4,139.83	481.45	WATER WELLS

WCR No:	WCR0030050	Casing Diameter:	None
Legacy Log No:	None	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:		Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	10
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.09961

Bottom Perf Intvl:	None	Decimal Longitude:	-117.9165
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	None		
Region Office:	DWR Southern Region Office		
Well Location:	None		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNE	0.78	4,139.83	481.45	WATER WELLS

WCR No:	WCR1994-013144	Casing Diameter:	4
Legacy Log No:	471912	Fluid:	Not Available at Conversion
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	1994-10-13 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	Auger	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:	123.0	Range:	10W
Test Type:	None	Section:	10
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	Monitoring	Vertical Datum:	None
Top Perforated Int:	107	Decimal Latitude:	34.09961
Bottom Perf Intvl:	118	Decimal Longitude:	-117.9165
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	City of Industry		
Region Office:	DWR Southern Region Office		
Well Location:	CHESTNUT ST E/O AZUSA		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNE	0.78	4,139.83	481.45	WATER WELLS

WCR No:	WCR0049523	Casing Diameter:	None
Legacy Log No:	E031372	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None

Date Work Ended:		Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	10
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.09961
Bottom Perf Intvl:	None	Decimal Longitude:	-117.9165
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	None		
Region Office:	DWR Southern Region Office		
Well Location:	None		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNE	0.78	4,139.83	481.45	WATER WELLS

WCR No:	WCR2001-011391	Casing Diameter:	None
Legacy Log No:	None	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:		Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	10
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.09961
Bottom Perf Intvl:	None	Decimal Longitude:	-117.9165
Own Assign Well No:	None		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
City:	None		

Wells and Additional Sources Detail Report

Region Office:	DWR Southern Region Office
Well Location:	None
Other Observations:	None

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNE	0.78	4,139.83	481.45	WATER WELLS

WCR No:	WCR2005-014119	Casing Diameter:	None
Legacy Log No:	e031372	Fluid:	None
APN:	None	Static Water Level:	None
Permit No:	None	Total Draw Down:	None
Permit Date:	None	Elevation Accuracy:	None
Date Work Ended:	2005-06-01 00:00:00	Elev Determine Meth:	None
Workflow Status:	None	Well Yield:	None
Received Date:		Well Yield Unit:	None
Drilling Method:	None	County Name:	Los Angeles
Total Drill Depth:	None	Township:	01S
Total Complete Depth:		Range:	10W
Test Type:	None	Section:	10
Pump Test Length:	None	LL Accuracy:	Centroid of Section
Mth of Determ LL:	Derived from TRS	Baseline Meridian:	San Bernardino
Ground Surf Elev:	None	Horizontal Datum:	None
Planned Former Use:	None	Vertical Datum:	None
Top Perforated Int:	None	Decimal Latitude:	34.09961
Bottom Perf Intvl:	None	Decimal Longitude:	-117.9165
Own Assign Well No:	Azusa Valley 2		
Local Permit Agency:	LA County Department of Public Health, Department of Health Services, Drinking Water Program		
Record Type:	WellCompletion/Destruction/NA/NA		
City:	Covina		
Region Office:	DWR Southern Region Office		
Well Location:	16706 E Cypress Street		
Other Observations:	None		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *LOS ANGELES* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *LOS ANGELES* County

No Measures/Homes:	69
Geometric Mean:	0.4
Arithmetic Mean:	0.7
Median:	0.5
Standard Deviation:	1
Maximum:	5.6
% >4 pCi/L:	1
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Oil and Gas Wells — **OGW**

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of

Appendix

Oil, Gas and Geothermal Resources.

Periodic Groundwater Level Measurement Locations **MONITOR WELLS**

Locations of groundwater level monitoring wells in the Department of Water Resources (DWR)'s Periodic Groundwater Levels dataset. The DWR Periodic Groundwater Levels dataset contains seasonal and long-term groundwater level measurements collected by the Department of Water Resources and cooperating agencies.

Well Completion Reports **WATER WELLS**

List of wells from the Well Completion Reports data made available by the California Department of Water Resources' (DWR) Online System for Well Completion Reports (OSWCR). Please note that the majority of well completion reports have been spatially registered to the center of the 1x1 mile Public Land Survey System section that the well is located in.

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Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

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ENVIRONMENTAL RISK INFORMATION SERVICES

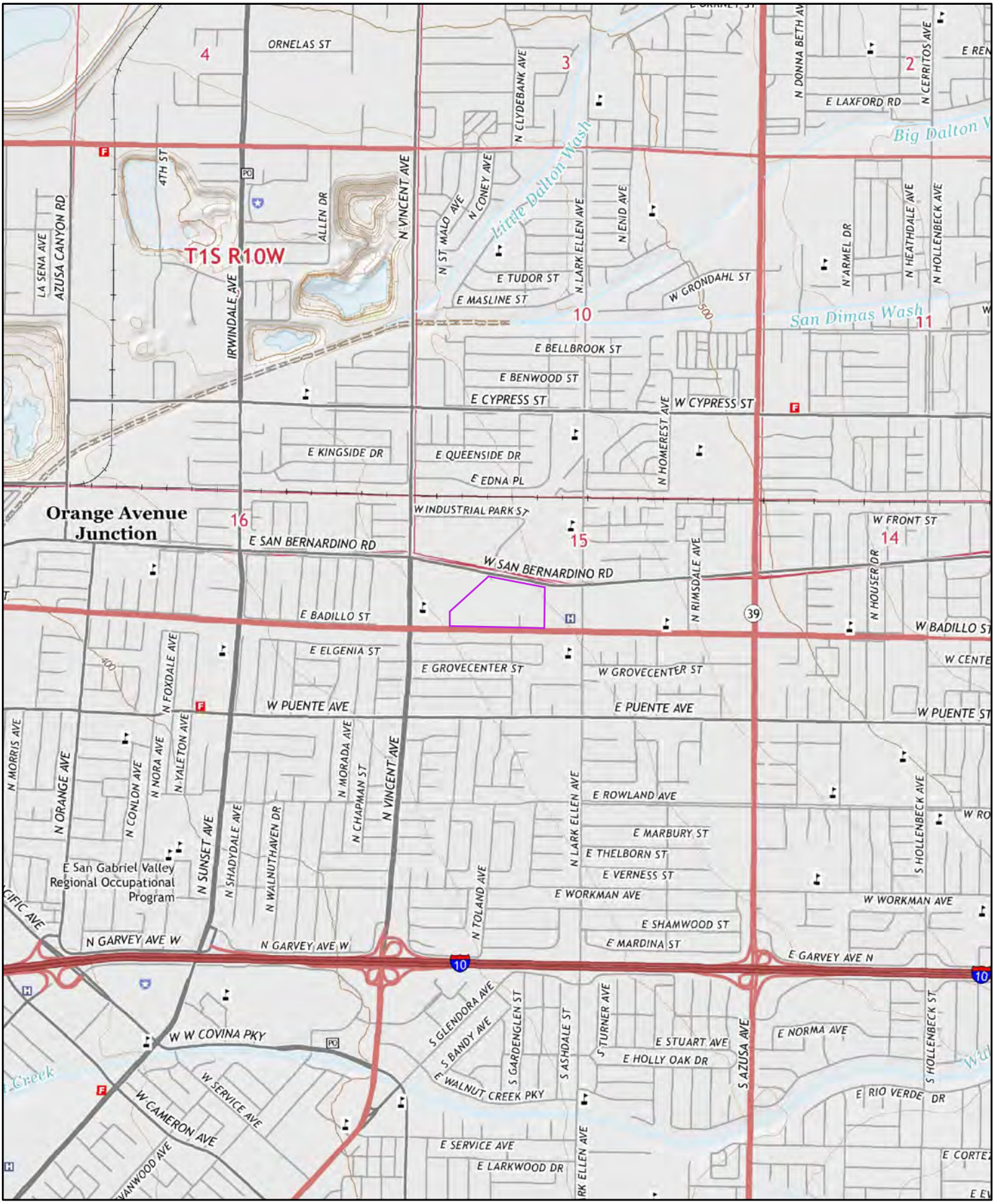
TOPOGRAPHIC MAPS

Project Property:	PNR0651FW1/267A (DAX9) 1211 Badillo Street West Covina CA 91790
Project No:	PNR0651FW1/267A (DAX9)
Requested By:	Geosyntec Consultants
Order No:	20200319269
Date Completed:	March 20, 2020

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2015	7.5
1981	7.5
1972	7.5
1966	7.5
1953	7.5
1927	7.5
1904	15
1898	15
1897	15
1894	15



2015

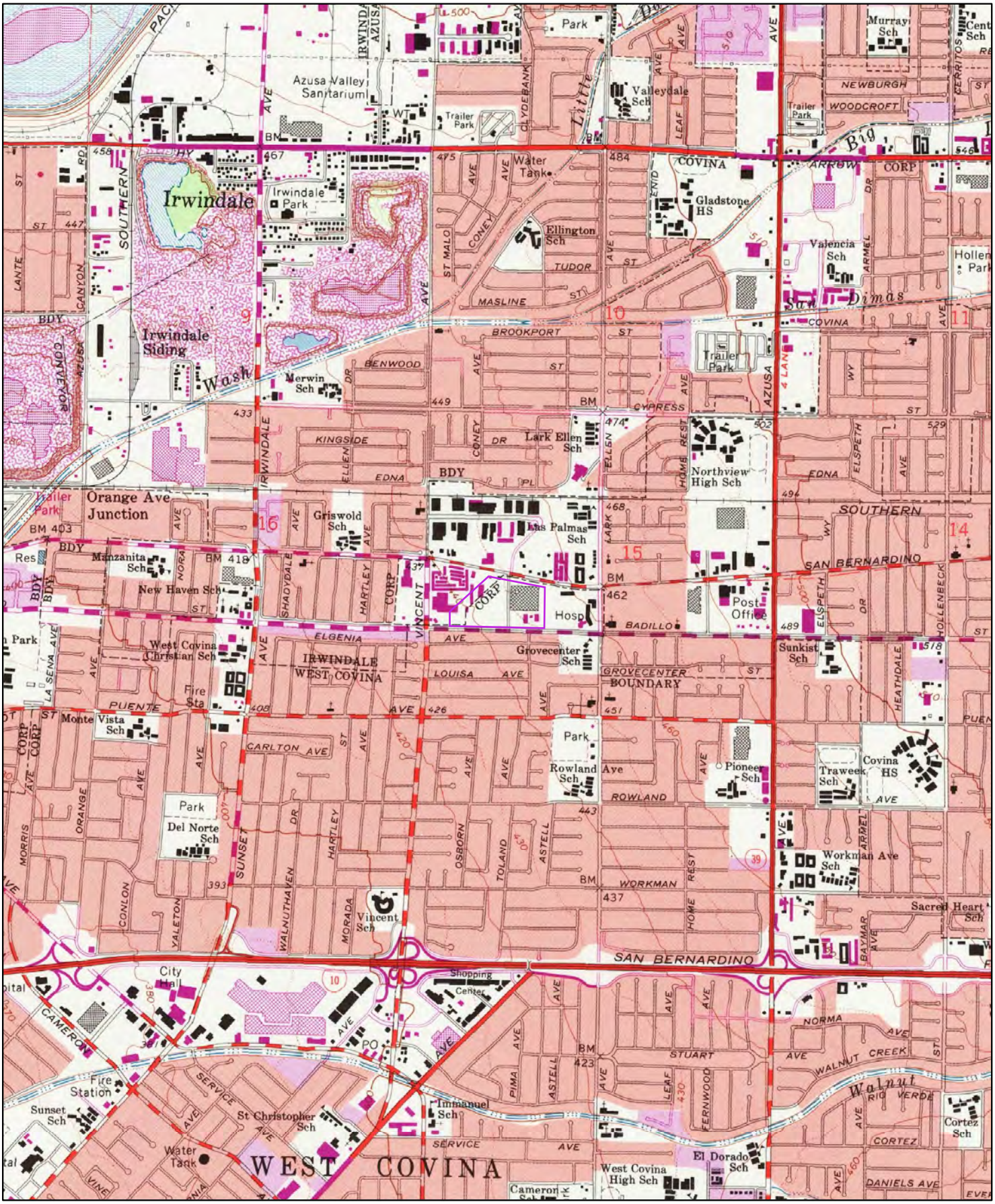
0 0.2 0.4 0.8 Miles

Order No. 20200319269

Quadrangle(s): Baldwin Park,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



1981

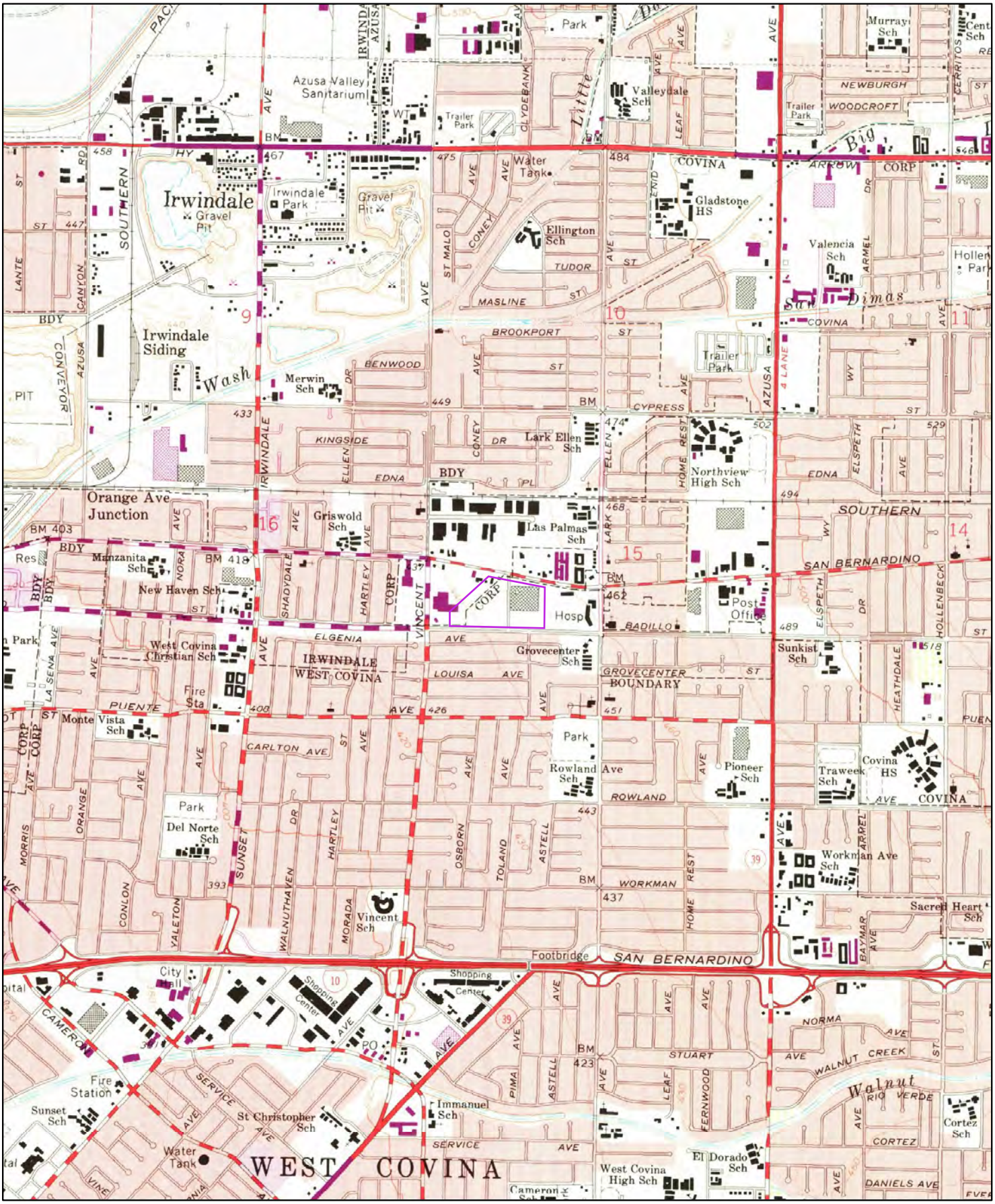
0 0.2 0.4 0.8 Miles

Order No. 20200319269

Quadrangle(s): Baldwin Park,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



1972

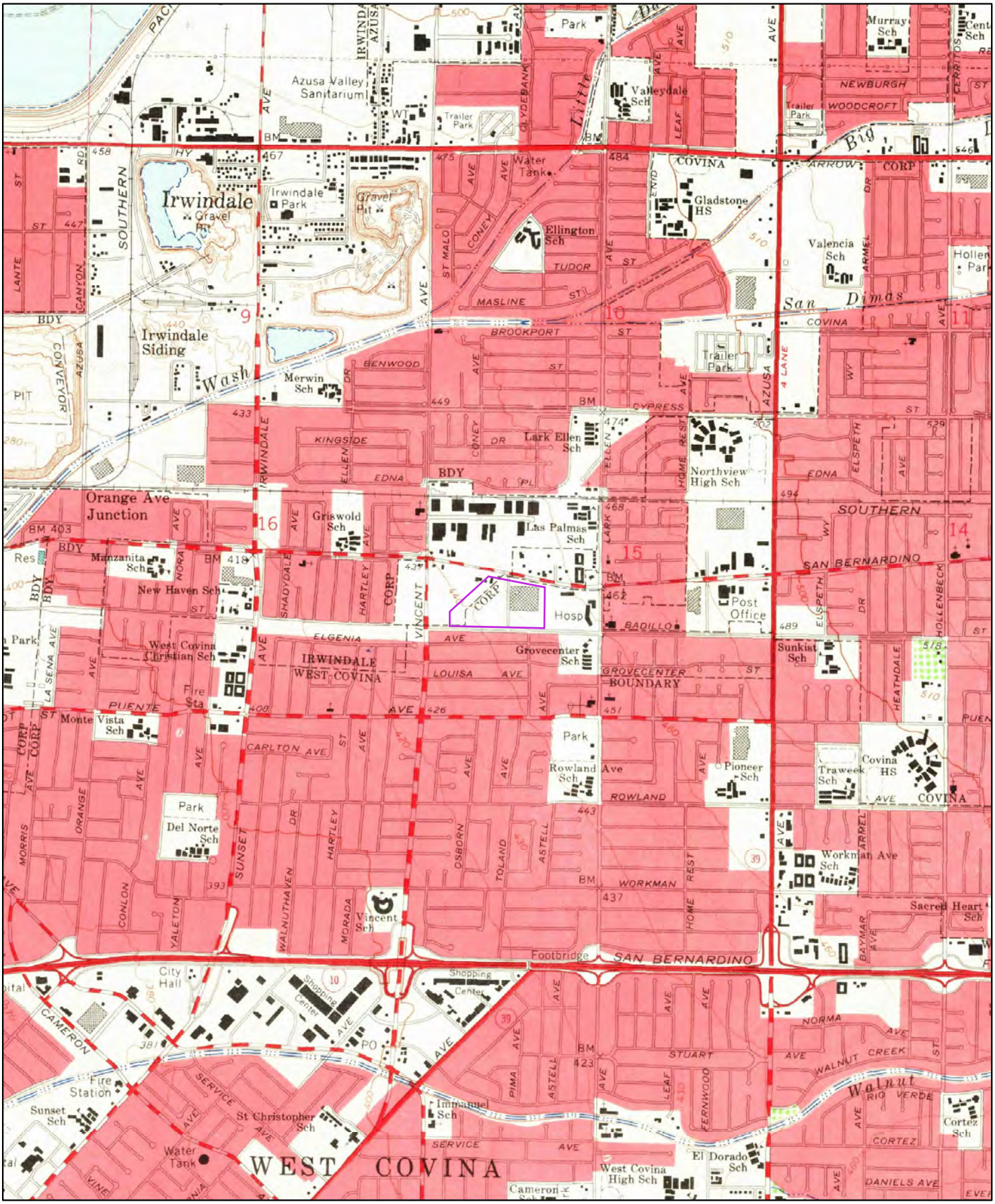
0 0.2 0.4 0.8 Miles

Order No. 20200319269

Quadrangle(s): Baldwin Park,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1966

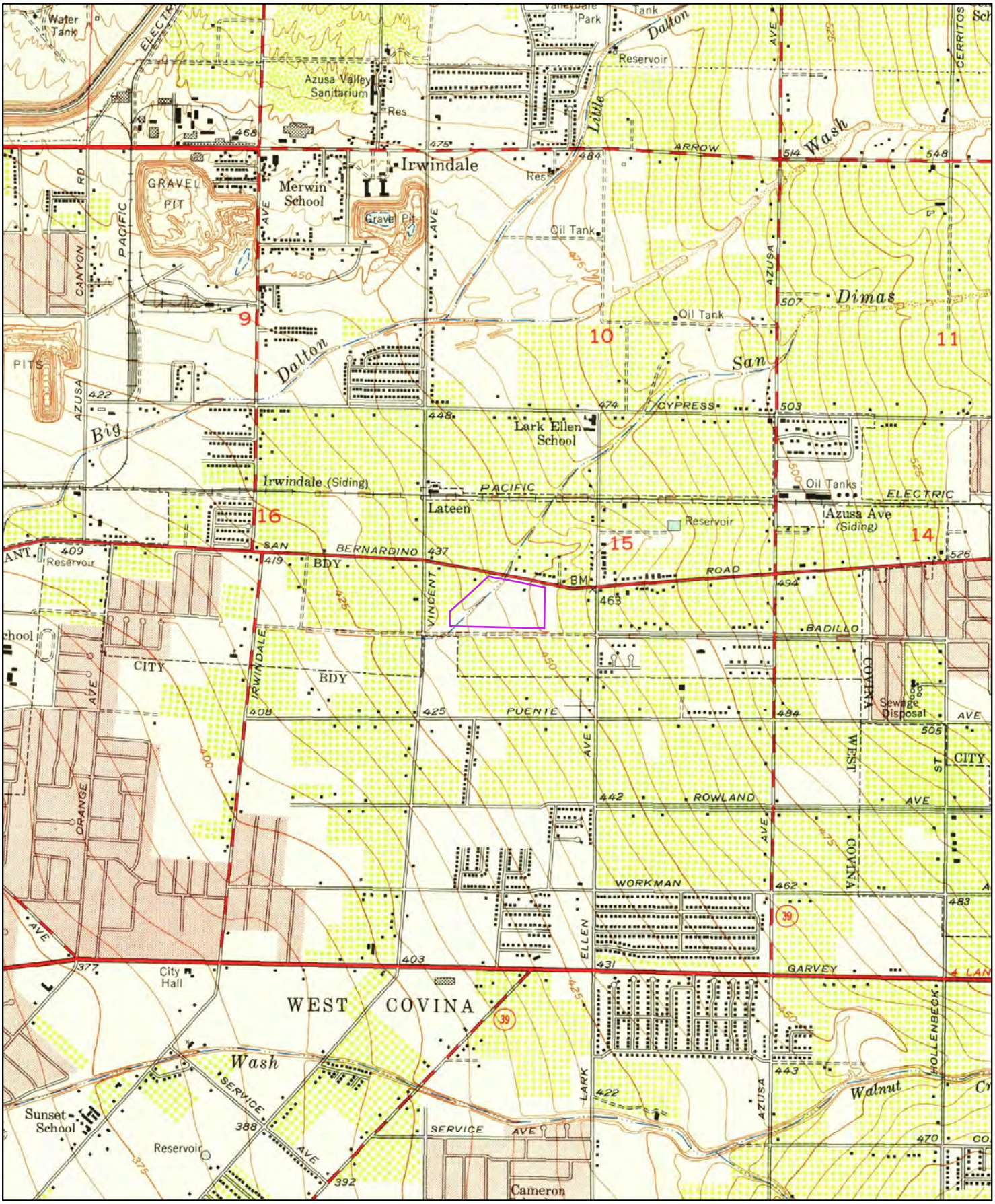
0 0.2 0.4 0.8 Miles

Order No. 20200319269

Quadrangle(s): Baldwin Park,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1953

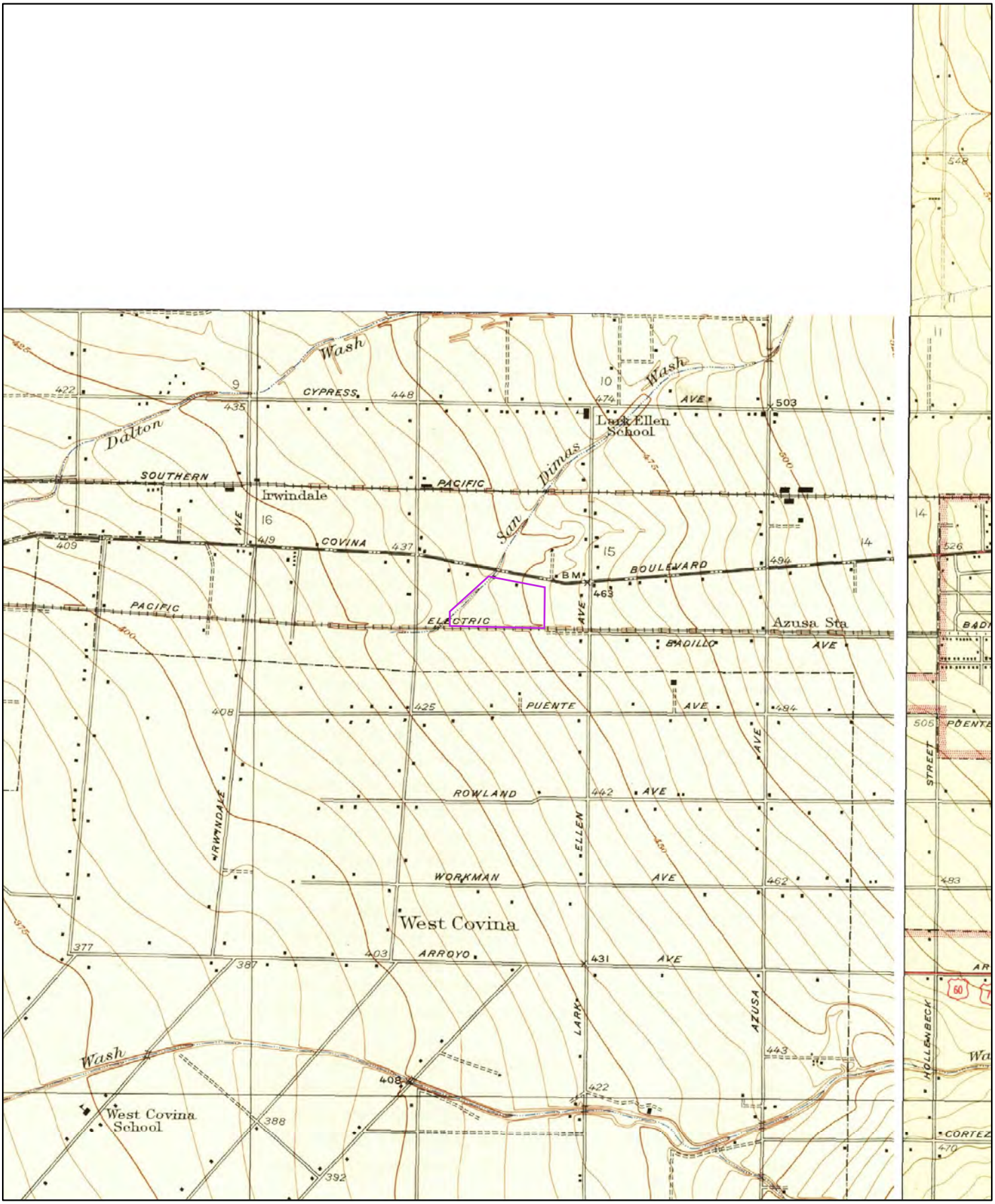
0 0.2 0.4 0.8 Miles

Order No. 20200319269

Quadrangle(s): Baldwin Park,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1927

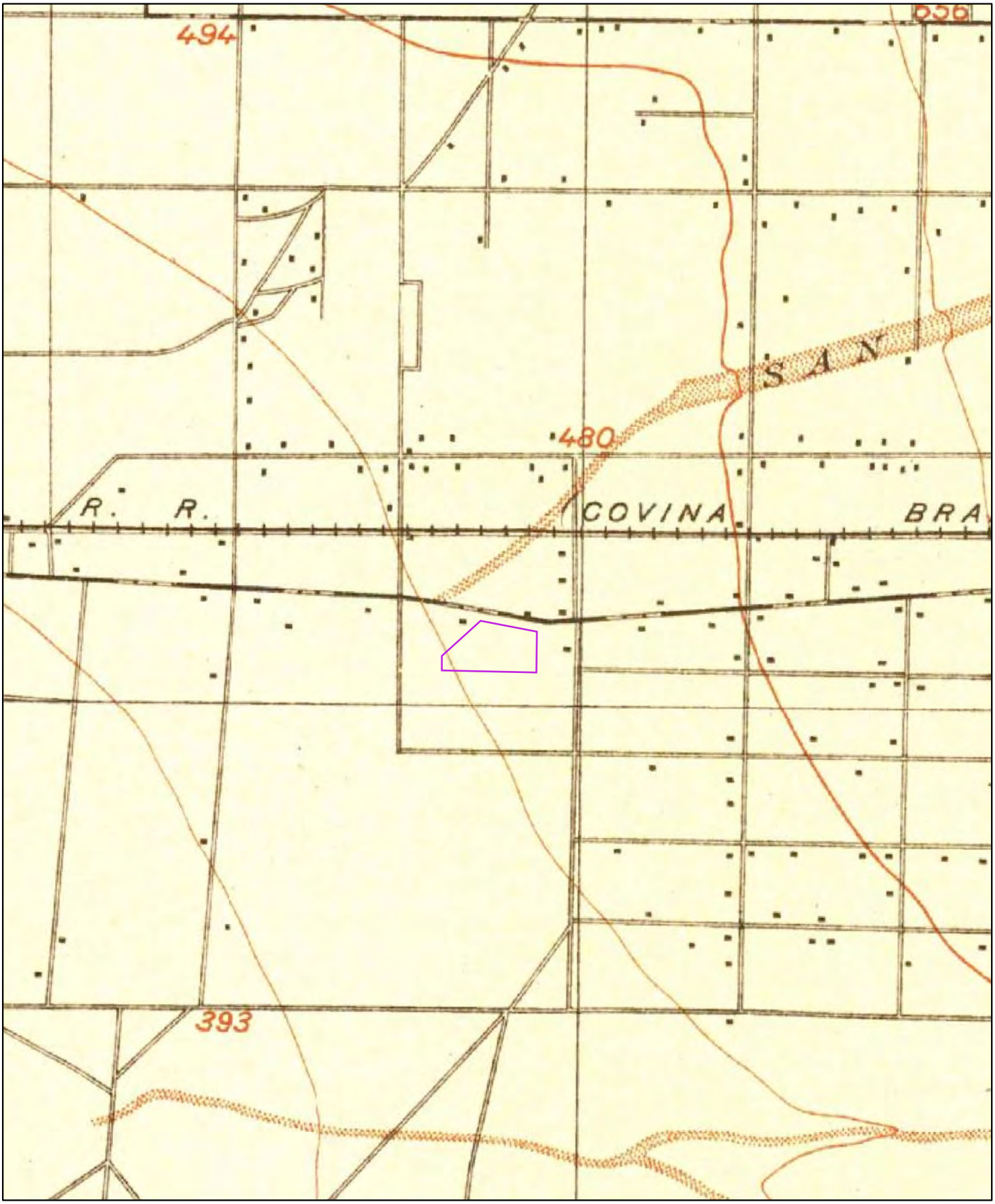
0 0.2 0.4 0.8 Miles

Order No. 20200319269

Quadrangle(s): Puente,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1904

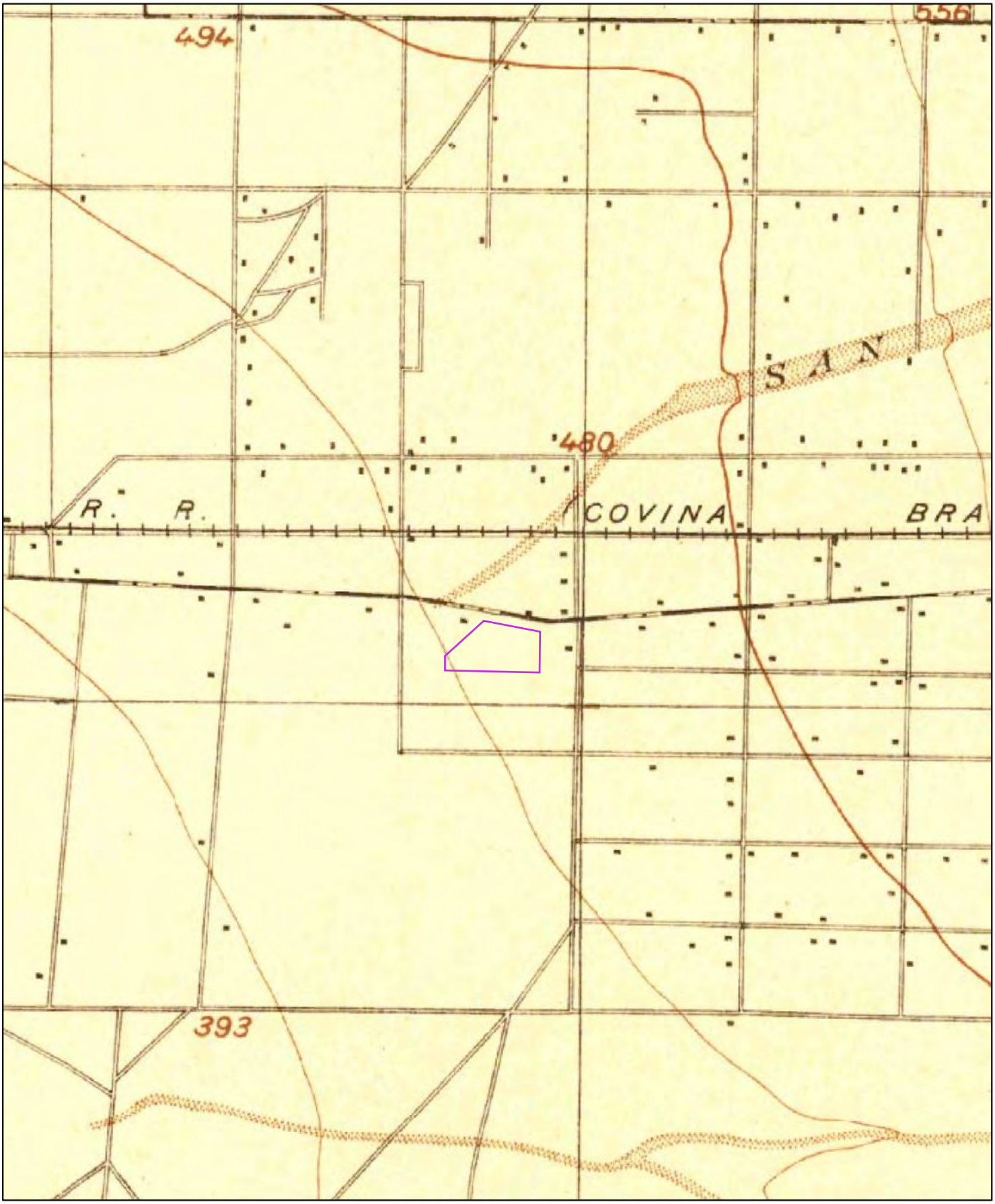
0 0.2 0.4 0.8 Miles

Order No. 20200319269

Quadrangle(s): Pomona,CA

Source: USGS 15 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1898

0 0.2 0.4 0.8 Miles

Order No. 20200319269

Quadrangle(s): Pomona,CA

Source: USGS 15 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

1897

0 0.2 0.4 0.8 Miles

Order No. 20200319269

Quadrangle(s): Pomona,CA

Source: USGS 15 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

1894

0 0.2 0.4 0.8 Miles

Order No. 20200319269

Quadrangle(s): Pomona,CA

Source: USGS 15 Minute Topographic Map

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APPENDIX F
Environmental Professional Resumes

Environmental Professional Qualifications

Kimberly Brandt, P.G., C.Hg. (CA)

Ms. Brandt has over 20 years' experience in consulting, with emphases on strategic planning, management, and technical focus of characterization and remediation of environmental and hazardous waste sites throughout California. She has worked a variety of projects, including single- and multi-property Phase I Environmental Site Assessments and investigation and remediation of facilities ranging from a gasoline service station to a closed military installation. Ms. Brandt has conducted and/or managed more than 200 Phase I ESAs throughout the United States in accordance with ASTM standards to evaluate the presence of "recognized environmental conditions" associated with the subject properties. The Phase I ESAs have involved a variety of property usages including commercial/retail, manufacturing, agricultural, and office/light industrial. Based on the results of Phase I ESAs, numerous Phase II site characterizations have been performed to assess potential impacts resulting from historical activities. Activities conducted include surface geophysical surveys; asbestos and lead-based surveys; soil, soil vapor, groundwater and surface water assessments; human health risk assessments; developing estimated site cleanup costs and liability valuation; developing cleanup goals based on the current and/or future intended site usage; regulatory support and coordination; and litigation support. Ms. Brandt holds a Bachelor's degree in geology.

Paige Farrell

Ms. Farrell is a Project Scientist in the Geosyntec Long Beach Office. She has nearly five years of experience in environmental site investigation, assessment, remediation, and litigation support. She is currently involved in multiple litigation, environmental site assessment, and due diligence projects. Her experience includes managing projects in Phase II Environmental Site Assessment; site remediation, site characterization, waste disposal under state and federal regulations; litigations support; and regulatory communication. Ms. Farrell holds a Bachelor's degree in Earth Science from the University of California, Santa Barbara and a Master's degree in Climatology from the University of Idaho.

Rose Propst

Ms. Propst is a senior staff scientist with a focus in environmental due diligence, geology, and hydrogeology with over three years of experience in environmental consulting. She has supported environmental consulting work in Michigan, Arizona, and California, including due diligence experience through numerous Phase I ESA reports in California, Michigan, Arizona, Georgia, Washington, and Colorado, and lease reviews and hydrogeologic evaluation reports in Michigan. She has additional experience in groundwater, soil, and soil vapor investigations, and has supported management of monitoring and compliance reporting for numerous landfills, preparation of work plans, site investigation reports, compliance reports, and other technical reports. Ms. Propst holds a Bachelor's degree in geology from Western Michigan University.

Joshua Nandi

Environmental Professional Qualifications

Mr. Nandi is an environmental engineer with over seven years of experience in site assessment and remediation consulting. He has performed Phase I ESAs, Phase II environmental investigations, and remediation on properties throughout the United States. Mr. Nandi has designed, implemented and managed various phases of site characterizations, feasibility studies, cost estimations, remediation engineering design and implementation and health risk assessments at numerous contaminated sites under various federal, state and local environmental regulatory agencies. He has performed remediation engineering for sites contaminated with petroleum hydrocarbons, chlorinated hydrocarbons, 1,4-dioxane, light non-aqueous phase liquid (LNAPL), dense non-aqueous phase liquids (DNAPL), NDMA, perchlorate and nitrate, and has tailored a wide variety of ex-situ and in-situ techniques applicable to each specific project. Mr. Nandi holds a Bachelor's degree in Civil Engineering from the University of California, Irvine and a Master's degree in Environmental Engineering from the University of California, Los Angeles.

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Seattle, Washington 98101
PH 206.496.1450
www.geosyntec.com

24 June 2020

Ms. Tracey Schwartz
Amazon.com Services, Inc.
300 Boren Ave
Seattle, Washington

Subject: **Limited Phase II Environmental Site Assessment**
Amazon Site Code DAX9
1211 Badillo Street, West Covina, California

Dear Ms. Schwartz,

Geosyntec Consultants, Inc. (Geosyntec) is pleased to submit this Limited Phase II Environmental Site Assessment (ESA) report documenting assessment activities performed by Geosyntec at the DAX9 property located at 1211 Badillo Street, West Covina, California (the "Site" or "Subject Property"). This Phase II ESA was prepared in accordance with the scope of work described in Geosyntec's proposals dated 14 May 2020, which were approved in the Amazon.com Services, Inc. (Amazon) PO # 2D-03544757 dated 2 June 2020.

OBJECTIVES AND SCOPE OF WORK

The Phase II ESA scope of work was developed to evaluate potential vapor intrusion to indoor air risk associated with findings identified as part of Geosyntec's Phase I ESA dated 12 May 2020. To meet this objective, the scope of work included collection of four near surface soil samples, the installation and sampling of seven sub-slab vapor samples, and collection of seven indoor air samples from within the building co-located with the sub-slab vapor locations with one contemporaneous outdoor air sample. Sampling locations are shown in Figure 1. Implementation and results of the soil, sub-slab vapor and indoor and outdoor air sampling are reported herein.

A survey was also completed to evaluate the presence of asbestos-containing materials (ACM) and lead-based paint (LBP) in the building materials. The ACM/LPB survey findings will be reported separately to Amazon.

FIELD IMPLEMENTATION

Geosyntec completed field activities at the Site on 11 and 12 June 2020. Prior to the subsurface work, Pacific Coast Locators of La Crescenta, California, was subcontracted by Geosyntec to identify potential utilities or other subsurface obstructions, including rebar at or near planned sub-slab vapor probe locations.

On 11 June 2020, Rice's Concrete Services, Inc. (Rice) of Long Beach, California was

subcontracted by Geosyntec to core and advance four borings (S-1 through S-4) for soil sampling locations both inside the building (S-1 and S-2) and outside the building (S-3 and S-4) at the Site. Soil cores removed from the subsurface were screened for organic vapors using a photoionization detector (PID). Soil samples were collected at each of the four borings from the 0-2 feet below ground surface (bgs) interval using a slide hammer. The samples were collected directly into acetate sleeves and capped after volatile organic compounds (VOC) samples were collected using Terra-Core© samplers. Sample containers were labeled with relevant Site-specific information and stored in a cooler with ice. The samples were submitted under general chain-of-custody protocol to Eurofins Calscience LLC (Eurofins) of Garden Grove, California, for analysis of VOCs by Environmental Protection Agency (EPA) Method 8260B, polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270D, total petroleum hydrocarbons (TPH) by 8015B, Title 22 metals by 6010B/7471A, and polychlorinated biphenyls (PCBs) by 8082.

On 11 June 2020, Geosyntec installed seven temporary sub-slab vapor probes (pins) using a rotary hammer drill. The slab was observed to be approximately 10-15 inches thick. Upon completion of drilling, the sub-slab vapor probe was installed with an air-tight seal into the drilled hole. After the probes were allowed to equilibrate for at least two hours and prior to sampling, Geosyntec purged approximately 1 liter of vapor which was screened for the presence of helium using a helium detector, VOCs using a PID, and carbon dioxide, methane, and oxygen using a multi-gas meter. Helium was used during sampling as a leak check for indoor air being introduced into the sample. Methane was not detected in the field readings from any of the sub-slab vapor probes. Sub-slab vapor samples were collected in pre-evacuated, batch certified-clean 1-L Summas equipped with 200 ml/min flow controllers (e.g., 5 minute). After collection, the canisters were transported to Eurofins of Garden Grove, California for VOC analysis by EPA Method TO-15. The sub-slab vapor probes were removed after completion of sampling, and the holes were back-filled with liquid cement until flush with the surface of the slab and carpet glued back in place. Sub-slab vapor sampling field forms are provided in Attachment A.

On 12 June 2020, Geosyntec collected seven indoor air samples within the building at the same locations as the sub-slab vapor probes. One outdoor ambient air sample was also collected from the northeastern side of the building, in the upwind direction. A survey of the building was completed prior to sampling to assess conditions relevant to indoor air samples. The samples were collected in pre-evacuated, batch certified-clean 6-L Summas equipped with 8-hour flow controllers placed at approximately 3 to 4 ft above the ground surface to be representative of the breathing zone. The vacuum pressure on the Summas was periodically monitored throughout the duration of the sample collection. Following sample collection, the canisters were transported under standard chain-of-custody protocol to Eurofins of Garden Grove, California, for VOC analysis by EPA Method TO-15 SIM. Indoor air sampling field forms are provided in Attachment A.

Geosyntec consultants

RESULTS

Laboratory analytical reports are provided in Attachment B. Detected compounds are summarized in Table 1 for soil and Table 2 for sub-slab vapor and indoor air. Results are summarized below by sample type.

Soil Sampling

As shown in Table 1, soil analytical results were compared to the California Department of Toxic Substance Control Note 3 Screening Levels[1] (DTSC SLs) or EPA Regional Screening Levels[2] (RSLs). San Francisco Regional Water Quality Control Board Environmental Screening Levels[3] (SFRWQCB ESLs) for Petroleum Range Organics for direct exposure are shown for reference, because no DTSC SL and RSL are available for these compounds. Detections in soil samples can be summarized by the following:

- Arsenic was detected in all soil samples at concentrations up to 8.71 milligram per kilogram (mg/kg), exceeding the Commercial SL of 0.36 mg/kg; however, arsenic concentrations are below the DTSC Southern California regional background arsenic concentration of approximately 12 mg/kg.
- VOCs and PAHs were not detected in soil samples. Various other metals and TPH were detected; however, none of the detected concentrations exceeded SLs.

Sub-Slab Vapor Sampling

As shown in Table 2, sub-slab vapor results were compared to the DTSC Note 3 Screening Levels[1] and the EPA RSLs[2] for Residential and Commercial settings. The indoor air screening values were divided by the standard sub-slab attenuation factor of 0.03[4] to obtain soil vapor screening levels. VOC detections in the soil vapor are summarized by the following:

- Tetrachloroethene (PCE) was detected at concentrations above the Commercial SL of 67 micrograms per cubic meter ($\mu g/m^3$) in two sub-slab vapor samples, SS-1 (110 $\mu g/m^3$) and SS-2 (240 $\mu g/m^3$). SS-1 and SS-2 were located near the former process area and former degreaser/clarifier area. PCE was also detected at concentrations below the Commercial SL but above the Residential SL (15 $\mu g/m^3$) at two sub-slab sample locations (SS-5 and SS-7).
- Chloroform was detected at a concentration below the Commercial SL of 18 $\mu g/m^3$ but above the Residential SL of 4 $\mu g/m^3$ in one sub-slab vapor sample, SS-1 (5.3 $\mu g/m^3$).

[1] California Human Health Risk Assessment Note 3 (HHRA), 2019. DTSC-Modified Screening Levels for Soil provided by the Department of Toxic Substances Control (DTSC) for commercial/industrial land uses. April 2019.
[2] United States Environmental Protection Agency (EPA), 2019. Regional Screening Levels (RSLs), Region 9, November 2019.
[3] San Francisco Regional Water Quality Control Board (SFRWQB), 2019. Environmental Screening Levels (ESLs), January 2019.
[4] United States Environmental Protection Agency (EPA), 2015. Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, June 2015

- Various other compounds were detected in the sub-slab vapor samples; however, none of the detected concentrations exceeded SLs.

No methane was detected in any of the sub-slab vapor samples during field screening.

Indoor and Outdoor Air Sampling

As shown in Table 2, indoor and outdoor air analytical results were compared to the DTSC Note 3 Screening Levels[1] or EPA RSLs[2] for Residential and Commercial settings. VOC detections in the indoor air are summarized by the following:

- Benzene was detected at concentrations above the Commercial SL (0.42 µg/m^3) at six indoor air locations, up to 1.0 µg/m^3 and was detected in the seventh location at concentrations below the Commercial SL but above the Residential SL (15 µg/m^3; IA-7). Benzene was also detected at a similar concentration (0.37 µg/m^3) in the outdoor air sample, indicating a likely outdoor air contribution to the benzene in indoor air samples.
- Bromodichloromethane, carbon tetrachloride, and chloroform were detected at concentrations below the Commercial SLs but above the Residential SLs in at least one or more indoor air location.
- Various other VOCs were detected at similar concentrations in both the indoor and outdoor air samples. None of the detected concentrations exceeded SLs (including PCE that was detected in the sub-slab vapor).

CONCLUSIONS

Limited Phase II ESA sampling was performed by Geosyntec personnel to support environmental due diligence activities at the Site. Near surface soil samples were collected at four locations, and seven co-located sub-slab vapor and indoor air samples were collected from inside the building. An outdoor ambient air sample was also collected. Analytical results were compared to the lower of the CA DTSC SLs and the EPA RSLs for Residential and Commercial settings.

In soil, arsenic was detected at concentrations exceeding Commercial SLs in all four soil samples (S-1 through S-4); however, the detected arsenic concentrations at the Site were less than what is considered to be background levels in southern California. In sub-slab vapor samples, concentrations of VOCs were below Commercial SLs with the exception of PCE in two sample locations (SS-1 and SS-2). PCE was also detected at concentrations below the Commercial SL but above the Residential SL in two sub-slab vapor sampling locations (SS-5 and SS-7). However, PCE was only detected in one indoor air sample and at a low concentrations below SLs. Concentrations of other VOCs in the indoor air were below Commercial SLs with the exception of benzene in six of the seven indoor air locations. Benzene was also detected at concentrations below the Commercial SL but above the Residential SL in the seventh indoor air sample, as well as the outdoor air sample at similar concentrations, indicating a likely outdoor air contribution to

the benzene in indoor air samples.

CLOSURE

We appreciate the opportunity to support this important project. Please do not hesitate to contact the undersigned should you have questions.

Sincerely,

Molly Taptich P.G. (CA, WA, & PA)
Project Geologist

Melissa Asher, P.E. (CA, WA, CO, & ID)
Senior Principal

Copies to: Doug Baumwirt, Amazon
Scott Lutz, Amazon
Elaina Modlin, Geosyntec

ATTACHMENTS

Figure 1	Sample Location Map
Table 1	Summary of Shallow Soil Sampling Results
Table 2	Summary of Indoor Air and Sub-Slab Vapor Sampling Results
Attachment A	Sub-Slab Vapor and Indoor Air Sampling Forms
Attachment B	Laboratory Analytical Reports

FIGURE

Legend

- Co-located Sub-Slab Vapor & Indoor Air Sample location
- Soil Sample Location
- Outdoor Air Sample
- Historical Building Location
- Approximate Site Boundary
- Historical Pacific Electric Railroad line location

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

N

50 25 0 50 Feet

Sample Location Map

1211 Badillo Street,
West Covina, California

Geosyntec consultants

PNR0651FW2-267B | June 2020

Figure 1

P:\Projects\Amazon\Projects\GIS\900 GIS and CAD\920 GIS\PNR0651FW1-267A_West Covina\MXDs\Phase II\Figure 1 Sample Location Map.mxd 6/16/2020 9:36:17 AM

TABLES

Table 1
Summary of Shallow Soil Sampling Results
DAX9 - 1211 Badillo Street
West Covina, California

Compound	Units	Soil Screening Level[a]		Soil Results (0-2 ft bgs)			
		Residential	Commercial	S-1	S-2	S-3	S-4
Metals by EPA Methods 6010B and 7471A							
Antimony	mg/kg	31	470	<0.739*	<0.773	<0.735	**0.894**
Arsenic		0.11	0.36	**8.71**	**2.55**	**2.80**	**1.34**
Barium		15,000	220,000	**119**	**119**	**117**	**130**
Beryllium		16	230	**0.625**	**0.525**	**0.575**	**0.600**
Cadmium		71	780	**0.837**	<0.515	<0.490	<0.498
Chromium		120,000	1,800,000	**14.2**	**12.0**	**13.4**	**13.7**
Cobalt		23	350	**10.2**	**8.80**	**9.88**	**9.95**
Copper		3,100	47,000	**24.0**	**19.2**	**20.5**	**20.6**
Lead		80	320	**4.47**	**5.43**	**1.92**	**1.23**
Mercury		1	4.4	**0.133**	**0.293**	**0.122**	<0.0833
Molybdenum		390	5,800	<0.246°	<0.258°	<0.245°	<0.249°
Naphthalene		2	6.5	**0.0530**	<0.0200	<0.0200	<0.0200
Nickel		820	11,000	**13.9**	**11.3**	**12.4**	**12.8**
Vanadium		390	5,800	**37.3**	**31.3**	**34.8**	**35.6**
Zinc		23,000	350,000	**47.1**	**41.6**	**42.4**	**43.6**
Total Petroleum Hydrocarbons (TPH) by EPA Method 8015B							
C25-C28	mg/kg	260	1,200	<4.80	<4.90	<5.00	**9.30**
C29-C32		260	1,200	<4.80	<4.90	<5.00	**16.0**
C33-C36		260	1,200	<4.80	<4.90	<5.00	**13.0**
C37-C40		260	1,200	<4.80	<4.90	<5.00	**7.90**
TPH Full Scan, C6-C44		--	--	<4.80	<4.90	<5.00	**50.0**
Diesel Range Organics (DRO), C10-C28		260	1,200	<4.80	<4.90	<5.00	**11.0**

Notes:

All soil samples were collected on 11 June 2020.

Only compounds detected in at least one soil sample are shown.

a) Values are the lower of the California Department of Toxic Substance Control Note 3 Screening Levels (CA DTSC-SLs; Cancer or Non-Cancer Endpoint), April 2019, or Environmental Protection Agency (EPA) Regional Screening Levels (RSLs), November 2019, for soil, with the exception of Petroleum Range Organics, San Francisco Regional Water Quality Control Board Environmental Screening Levels (ESLs; Rev. January 2019) for direct

mg/kg = milligrams per kilogram

ft bgs = feet below ground surface

"<" = Not detected above the laboratory reporting limit shown

-- = screening level not available

Detected concentrations are in **bold.**

* MS and/or MSD recovery exceeds control limits

° A negative instrument reading had an absolute value greater than the reporting limit

50	Detected concentration is greater than the commercial soil screening level.
50	Detected concentration is greater than the residential but below the commercial soil screening level.

Table 2
Summary of Indoor Air and Sub-Slab Vapor Sampling Results
DAX9 - 1211 Badillo Street
West Covina, California

Compound	Units	Indoor Air Screening Level[1] (µg/m³)		Outdoor Air Results (µg/m³)	Indoor Air Results (µg/m³)							Soil Vapor Screening Level[2] (µg/m³)		Sub-Slab Vapor Results (µg/m³)						
		Residential	Commercial	OA-1	IA-1	IA-2	IA-3	IA-4	IA-5	IA-6	IA-7	Residential	Commercial	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7
Acetone	µg/m³	32,000	140,000	--	--	--	--	--	--	--	--	1,066,700	4,666,700	360	250	<5.6	760	780	65	59
Benzene		0.097	0.42	0.37	0.43	0.57	0.63	0.50	0.49	1.0	0.41	3.2	14	<1.9	<2.0	<1.9	<6.9	<4.6	<1.9	<2.0
Bromodichloromethane		0.076	0.33	<0.17	<0.17	<0.17	0.27	<0.17	<0.17	<0.17	<0.17	2.53	11	<4.0	<4.2	<3.9	<14	<9.6	<4.0	<4.2
2-Butanone		5,200	22,000	--	--	--	--	--	--	--	--	173,333	733,333	14	20	<5.2	<19	<13	12	11
Carbon tetrachloride		0.47	2.0	0.45	0.47	0.46	0.51	0.48	0.48	0.46	0.46	16	67	<3.7	<3.9	<3.7	<14	<9.0	<3.7	<4.0
Chloroform		0.12	0.53	0.13	0.19	0.18	0.50	0.21	0.17	0.31	0.15	4	18	5.3	<3.0	<2.9	<11	<7.0	<2.9	<3.1
Chloroethane		--	--	0.12	0.082	<0.066	0.090	<0.066	<0.066	0.36	0.068	--	--	<1.6	<1.6	<1.5	<5.7	<3.8	<1.6	<1.7
Chloromethane		94	390	0.74	0.97	0.78	1.2	0.75	0.70	1.0	0.72	3,133	13,000	<1.2	<1.3	<1.2	<4.5	<3.0	<1.2	<1.3
Dichlorodifluoromethane		100	440	2.2	2.2	2.2	2.1	2.2	2.3	2.2	2.2	3,333	14,667	3.6	3.2	<2.9	<11	<7.1	3.2	<3.1
1,2-Dichloroethane		0.11	0.47	<0.10	<0.10	<0.10	0.11	0.10	<0.10	0.11	<0.10	3.7	16	<2.4	<2.5	<2.4	<8.8	<5.8	<2.4	<2.5
Ethylbenzene		1.1	4.9	0.19	0.33	0.71	0.69	0.80	0.38	1.1	0.27	37	163	<2.6	<2.7	<2.5	<9.4	<6.2	<2.6	<2.7
Isopropanol		210	880	--	--	--	--	--	--	--	--	7,000	29,333	88	75	<14	160	260	33	22
Methylene Chloride		1.0	12	0.44	0.44	0.38	0.39	0.45	0.45	0.52	0.44	33	400	<20	<22	<20	<75	<50	<21	<22
o-Xylene		100	440	0.18	0.36	0.64	0.65	1.6	0.38	0.83	0.27	3,333	14,667	<2.6	<2.7	<2.5	<9.4	<6.2	<2.6	<2.7
m,p-Xylene		100	440	0.42	0.87	1.7	1.8	2.8	0.91	2	0.66	3,333	14,667	<10	<11	<20	<38	<25	<10	<11
Tetrachloroethene		0.46	2	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	0.28	15	67	110	240	<4.0	<15	23	5.5	32
Toluene		310	1,300	0.90	1.3	2.4	2.8	2.3	1.6	4.5	1.2	10,333	43,333	<2.2	<2.3	<2.2	<8.1	<5.4	2.8	5.6
Trichloroethene		0.48	3	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	0.13	16	100	<3.2	<3.3	<3.1	<12	<7.7	<3.2	<3.4
Trichlorofluoromethane		1,300	5,300	1.2	2.0	2.2	2.3	5.2	2.4	1.9	1.3	43,333	176,667	<6.6	<7.0	<6.6	<24	<16	<6.7	<7.1
1,3,5-Trimethylbenzene		63	260	<0.12	<0.12	<0.12	0.15	0.12	<0.12	0.12	<0.12	2,100	8,667	<2.9	<3.0	<2.9	<11	<7.0	<2.9	<3.1
1,2,4-Trimethylbenzene		63	260	<0.25	<0.25	0.32	0.46	0.34	0.25	0.35	<0.25	2,100	8,667	<8.7	<9.1	<8.6	<32	<21	<8.8	<9.3
1,1,1-Trichloroethane		1,000	4,440	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	33,333	148,000	20	83	<3.2	<12	<7.8	<3.2	4.1
1,1-Difluoroethane		42,000	180,000	<0.68	<0.68	<0.68	0.72	<0.68	<0.68	<0.68	1.2	1,400,000	6,000,000	<6.4	<6.7	<6.3	<23	<15	<6.4	<6.8
1,1,2-Trichloro-1,2,2-trifluoroethane		5,200	22,000	0.50	0.49	0.50	0.50	0.52	0.52	0.49	0.50	173,333	733,333	19	18	<13	<50	<33	<14	<14

Notes:
Indoor and outdoor air samples were collected on 12 June 2020 and analyzed by Environmental Protection Agency (EPA) Method TO-15 SIM.
Sub-slab vapor samples were collected on 11 and 12 June 2020 and analyzed by Environmental Protection Agency (EPA) Method TO-15.
Only compounds detected at least once in air or sub-slab vapor samples are shown.

1. Values reflect the most recent screening levels for indoor air quality, based on a 1 x 10^{-6} carcinogenic risk standard (the non-cancer endpoint is reported where a cancer endpoint has not been established). The source of the indoor air screening levels is the California Department of Toxic Substance Control Note 3 Screening Levels (CA DTSC-SLs; Cancer or Non-Cancer Endpoint; April 2019) and/or the EPA Regional Screening Levels (RSLs; November 2019), whichever is most conservative.

2. Values reflect the most recent screening levels for indoor air quality (CA DTSC-SLs or EPA RSLs, whichever is most conservative), divided by the default subsurface to indoor air attenuation factor of 0.03 (Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, EPA, June 2015).

µg/m³ = Micrograms per cubic meter
"<" = Not detected above the laboratory reporting limit shown
-- = Screening level and/or analytical data not available
Detected concentrations are in **bold.**

50	Detected concentration is greater than the commercial indoor air screening level.
50	Detected concentration is greater than the residential but below the commercial indoor air screening level.

ATTACHMENT A

SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DAY9
Date: 12 JUNE 2020 Project Number: PHR0651FWZ
Site Location: WEST COVINA, CA
Weather: SUNNY 70S
Field Personnel: SBJ EG
Recorded By: SBJ EG

Probe No.: SS-1 ☒ Sub-slab probe ☐ Soil vapor probe
MinRae 2000 or RKI GX-6000 Serial No.: 643988 Lamp (10.6) / 11.7 eV
Landtech GEM 2000 or 5000 Landfill Gas Meter Serial No.: 47231
MDG 2002 Helium detector Serial No.: 643770
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: 172,000

2. Surface Type: ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness: 24 (inches/centimeters) ☐ Unknown
Slab Condition: NO VISIBLE CRACKS
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): VAPOR PIN
Tubing Type (i.e. Teflon, Nylaflow, or polyetheretherketone (PEEK)): NYLA FLOW
Probe diameter: NA inch Tubing diameter: 1/4 inch Borehole diameter: 1 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): HAMMER DRILL
Date Installed: 11 JUNE 2020 Time Installed: 1820

5. Initial Probe Vacuum (prior to purging) -0.3 in. H_2O

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☐ Soil vapor probe _____ L (Calculate volume for soil vapor probe)

8. Purging **If methane is detected during purging at greater than 0.5% (10% of LEL), notify PM

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 ** (%)	CO_2 (%)	O_2 (%)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)
6/12/2020	0832	0837	5	1	6.2	1 SEG	0.0	0.5	19.0	32	36	0.0	1.1

9. Calculate 5% of the minimum helium concentration in the shroud: ~~0.0~~ SB 1.0 ppm_v
Note: 1% helium = 10,000 ppm_v

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/12/2020	0842	SS-1	LC1039	A442	NA	-28.98	-3.75

Analysis Requested on COC: EPA TO-15

Comments:

SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DAX9
Date: 12 June 2020 Project Number: PNR0651FW2
Site Location: West Covina, CA
Weather: Sunny, 70's
Field Personnel: SB + EG
Recorded By: SB + EG

Probe No.: SS-2 ☒ Sub-slab probe ☐ Soil vapor probe
MinRae 2000 or RKI GX-6000 Serial No.: 643988 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 or 5000 Landfill Gas Meter Serial No.: 47231
MDG 2002 Helium detector Serial No.: 643776
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: 172,000

2. Surface Type: ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness: ~15 (inches) centimeters ☐ Unknown
Slab Condition: No visible cracks; small hole in sub-slab
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): Vapor Pin
Tubing Type (i.e. Teflon, Nylaflow, or polyetheretherketone (PEEK)): Nylaflow
Probe diameter: NA inch Tubing diameter: 1/4 inch Borehole diameter: 1 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Hammer Drill
Date Installed: 11 June 2020 Time Installed:

5. Initial Probe Vacuum (prior to purging) -5 in. H_2O

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☐ Soil vapor probe _____ L (Calculate volume for soil vapor probe)

8. Purging **If methane is detected during purging at greater than 0.5% (10% of LEL), notify PM

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 ** (%)	CO_2 (%)	O_2 (%)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)
6/12/20	1033	1038	5	1	0.2	1	0	2.5	18.0	23	58	0	0.4

9. Calculate 5% of the minimum helium concentration in the shroud: 1.15 ppm_v
Note: 1% helium = 10,000 ppm_v

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/12/20	1041	SS-2	LC584	A407	NA	-28.73	-4.75

Analysis Requested on COC: EPA TO-15

Comments:

SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DAX9
Date: 11 JUNE 2020 Project Number: [illegible]
Site Location: WEST COVINA, CA
Weather: SUNNY 70S
Field Personnel: SB | EG
Recorded By: SB

Probe No.: SS-3 ☒ Sub-slab probe ☐ Soil vapor probe
RAE 2000 or RKI GX-6000 Serial No.: 043988 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 or 5000 Landfill Gas Meter Serial No.: 043770 SB
MDG 2002 Helium detector Serial No.: 47231
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: 172,000

2. Surface Type: ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness: ~~~~ SB ~10 inches/centimeters ☐ Unknown
Slab Condition: NO VISIBLE CRACKS
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): VAPOR PIN
Tubing Type (i.e. Teflon, Nylaflow, or polyetheretherketone (PEEK)): NYLAFLOW SB
Probe diameter: NA inch Tubing diameter: 1/4 inch Borehole diameter: 5/8 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): HAMMER DRILL
Date Installed: 11 JUNE 2020 Time Installed: 1024

5. Initial Probe Vacuum (prior to purging) -0.9 in. H_2O SB

6. Field tubing blank reading (ppm_v): PID Reading NA ppm_v 0.0 SB

7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☐ Soil vapor probe _____ L (Calculate volume for soil vapor probe)

8. Purging **If methane is detected during purging at greater than 0.5% (10% of LEL), notify PM

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 ** (%)	CO_2 (%)	O_2 (%)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm / %) (circle one)	VOCs by PID (ppm_v)
6/11/2020	1355	1400	5	1	0.2	1	0.0	0.0	18.3	25	45	0.0	1.7

9. Calculate 5% of the minimum helium concentration in the shroud: ~~0.0~~ SB 1.25 ppm_v
Note: 1% helium = 10,000 ppm_v

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/11/2020	~~1410~~ 1410 SB	SS-3	LC472	A473	NA	-29.19	-2.85

Analysis Requested on COC: EPA METHOD TO-15

Comments:

SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DAXA
Date: 11 JUNE 2020
Project Number: PHI2065I FIN 2/2673
Site Location: WEST COVINA, CA
Weather: SUNNY 78J
Field Personnel: SB/EG
Recorded By: SB

Probe No.: SS-4 ☒ Sub-slab probe ☐ Soil vapor probe
MinRae 2000 or RKI GX-6000 Serial No.: 043988 Lamp (10.6) 11.7 eV
Landtech GEM 2000 or 5000 Landfill Gas Meter Serial No.: 47231
MDG 2002 Helium detector Serial No.: 643776
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: 172,000

2. Surface Type: ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness: ~10 (inches)/centimeters ☐ Unknown
Slab Condition: NO VISIBLE CRACKS
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): VAPOR PIN
Tubing Type (i.e. Teflon, Nylaflow, or polyetheretherketone (PEEK)): NYLAFLOW
Probe diameter: NA inch Tubing diameter: 1/4 inch Borehole diameter: ~1 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): HAMMER DRILL
Date Installed: 11 JUNE 2020 Time Installed: ~~1024~~ SB 1137

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☐ Soil vapor probe ____ L (Calculate volume for soil vapor probe)

5. Initial Probe Vacuum (prior to purging): -0.1 in. H_2O

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging **If methane is detected during purging at greater than 0.5% (10% of LEL), notify PM

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 ** (%)	CO_2 (%)	O_2 (%)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm$_v$, %) (circle one)	VOCs by PID (ppm_v)
6/11/2020	1750		5	1	0.2	1	0.0	0.4	19.5	30	55	0.0	1.3

9. Calculate 5% of the minimum helium concentration in the shroud: ~~0.0~~ SB 1.5 ppm_v
Note: 1% helium = 10,000 ppm_v

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/11/2020	1800	SS-4	LC 1740	A226	NA	-29.58	-5.61

Analysis Requested on COC: EPA METHOD TO 15

Comments:

SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DAXA
Date: 11 JUNE 2020 Project Number: DN1206511.FIN2/2607B
Site Location: WEST COVINA, CA
Weather: SUNNY 70S
Field Personnel: SB/EG
Recorded By: SB

Probe No.: ~~SS-6~~ SS-5 SB ☒ Sub-slab probe ☐ Soil vapor probe
MiniRae 2000 or RKI GX-6000 Serial No.: 042988 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 or 5000 Landfill Gas Meter Serial No.: 47231
MDG 2002 Helium detector Serial No.: 043776
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: 1721000

2. Surface Type: ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness: ~~8~~ ~10 inches/centimeters ☐ Unknown
Slab Condition: NO VISIBLE CRACKS
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): VAPOR PIN
Tubing Type (i.e. Teflon, Nylaflow, or polyetheretherketone (PEEK)): NYLAFLOW
Probe diameter: NA inch Tubing diameter: 1/4 inch Borehole diameter: <1 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): HAMMER DRILL
Date Installed: 11 JUNE 2020 Time Installed: 1110

5. Initial Probe Vacuum (prior to purging) 0.5 in. H_2O SB

6. Field tubing blank reading (ppm_v): PID Reading ~~NA~~ ppm$_v$ 0.0 SB

7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☐ Soil vapor probe _____ L (Calculate volume for soil vapor probe)

8. Purging **If methane is detected during purging at greater than 0.5% (10% of LEL), notify PM

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 ** (%)	CO_2 (%)	O_2 (%)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)
6/11/2020	1050	1055	5	1	0.2	1	0.0	0.0	19.3	32	55	0.0	0.1

9. Calculate 5% of the minimum helium concentration in the shroud: ~~0.0~~ SB ppm$_v$
Note: 1% helium = 10,000 ppm$_v$ 1.6

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/11/2020	~~1055~~ ~~1100~~ SB (1715) SB	SS-5	~~LC3303~~ SB LC11316	A351	NA	-28.98	-6.17
Analysis Requested on COC:		EPA METHOD TO-15					

Comments:

SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DAX9
Date: 12 June 2020 Project Number: PNR0651FW2/20713
Site Location: West Covina, CA
Weather: Sunny 80's
Field Personnel: SB + EG
Recorded By: SB + EG

Probe No.: SS-6 ☒ Sub-slab probe ☐ Soil vapor probe
MinRae 2000 or RKI GX-6000 Serial No.: 643988 Lamp: 10.6 / 11.7 eV
Landtech GEM 2000 or 5000 Landfill Gas Meter Serial No.: 47231
MDG 2002 Helium detector Serial No.: 643740
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: 172,000

2. Surface Type: ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness: ~15 inches/centimeters ☐ Unknown
Slab Condition: No visible cracks
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): VAPOR PIN
Tubing Type (i.e. Teflon, Nylaflow, or polyetheretherketone (PEEK)): NYLAFLOW
Probe diameter: NA inch Tubing diameter: 1/4 inch Borehole diameter: 4 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): HAMMER DRILL
Date Installed: 11 JUNE 2020 Time Installed: 1400

5. Initial Probe Vacuum (prior to purging) -0.9 in. H_2O

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☐ Soil vapor probe _____ L (Calculate volume for soil vapor probe)

8. Purging **If methane is detected during purging at greater than 0.5% (10% of LEL), notify PM

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 ** (%)	CO_2 (%)	O_2 (%)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm$_v$, %) (circle one)	VOCs by PID (ppm_v)
6/12/2020	1145	1150	5	1	0.2	1	0.0	0.1	19.8	30	53	6	NA

9. Calculate 5% of the minimum helium concentration in the shroud: 1.5 ppm_v
Note: 1% helium = 10,000 ppm_v

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/12/20	1158	SS-6	LC886	A380	NA	-29.01	-3.85
Analysis Requested on COC:		EPA TO-15					

Comments: • ~~Not e~~ EG VOCs BY PID - INSUFFICIENT VAPOR IN TEDLAR FOR READING

SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DAXQ
Date: 12 June 2020 Project Number: PNR0651FW2
Site Location: West Covina, CA
Weather: Sunny 70s
Field Personnel: SB/EG
Recorded By: SB/EG

Probe No.: SS-7 [X] Sub-slab probe [ ] Soil vapor probe
MinRae 2000 or RKI GX-6000 Serial No.: 643988 Lamp: (10.6) 11.7 eV
Landtech GEM 2000 or 5000 Landfill Gas Meter Serial No.: 47231
MDG 2002 Helium detector Serial No.: 643776
Leak Detection Method: [X] Helium [ ] Water Dam [ ] Other
Approximate Building Square Footage: 172,000

2. Surface Type: [ ] Asphalt [X] Concrete [ ] Grass [ ] Other
Surface Thickness: ~15 (inches/centimeters) [ ] Unknown
Slab Condition: No visible cracks
Vapor Barrier Present?: [ ] Yes [ ] No [X] Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): Vapor Pin
Tubing Type (i.e. Teflon, Nylaflow, or polyetheretherketone (PEEK)): Nylaflow
Probe diameter: NA inch Tubing diameter: 1/4 inch Borehole diameter: <1 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Hammer Drill
Date Installed: 11 June 2020 Time Installed: 1340

5. Initial Probe Vacuum (prior to purging) 0.2 in. H_2O

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? [X] Yes [ ] No

4. 1 Casing Volume: [X] Sub-slab probe <0.1 L [ ] Soil vapor probe _____ L (Calculate volume for soil vapor probe)

8. Purging **If methane is detected during purging at greater than 0.5% (10% of LEL), notify PM

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 ** (%)	CO_2 (%)	O_2 (%)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm, %) (circle one)	VOCs by PID (ppm_v)
6/12/20	920	926	5	1	0.2	1	0.0	3.5	17.7	30	61	0	2.5

9. Calculate 5% of the minimum helium concentration in the shroud: 1.5 ppm_v
Note: 1% helium = 10,000 ppm_v
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: [X] Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? [X] Yes [ ] No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/12/20	931	SS-7	LC1232	A421	NA	-29.02	-5.28
Analysis Requested on COC:		EPA TO-15					

Comments:

Indoor / Outdoor Air Monitoring Form

Geosyntec consultants

DAX9

Site Name: West Covina - 1211 Badillo St **Project Number:** PNR0651FW2/1267B **Location:** 1211 Badillo St, West Covina, CA

Sampled by: Eric Garcia & Stephanie Bone **Weather Conditions:** 63°F, partly cloudy @ 0700

Building ID: NA **Wind Speed/Direction:** SSW 3mph

Sample Type: Indoor Air + Outdoor Air.

Sample ID	Canister ID (#)	Regulator ID (FC #)	Start			End		
			Vac (in.-Hg)	Time	Date	Vac (in.-Hg)	Time	Date
IA-1	D184	FC202	-31	~~0730~~ 0853	6/12/20	-4.71	1450	6/12/20
IA-2	D758	FC362	-30	0757	↓	-3.50	1402	↓
IA-3	D526	FC487	-30	0754	↓	-5.20	1410	↓
IA-4	D503	FC440	-30	0805	↓	-4.95	1543	↓

Describe HVAC at the time of sampling (type, on or off and for how long). Indicate air intake and exhaust vent locations on maps.

SEE BELOW

Sample canister intermediate vacuum readings (in-Hg):

Time	Sample ID	Notes
1210	IA-1	VAC (IN-Hg) -20
1223	IA-2	VAC (IN-Hg) -19
1224	IA-3	VAC (IN-Hg) -18
1240	IA-4	VAC (IN-Hg) -17

Air conditioning? NOT ON

Fans? NONE OBSERVED

Heaters? NOT OBSERVED / NOT ON

Windows or doors open near samples?:

Smoking area nearby?: NOT OBSERVED

Chemical use or cleaning supplies nearby?: NOT OBSERVED

Indoor / Outdoor Air Monitoring Form

Geosyntec consultants

Site Name: ~~DX~~9 **Project Number:** 17N120051 FINZ | 26713 **Location:** 1211 BADILLO ST. WEST COVINA, CA

Sampled by: EG + SB **Weather Conditions:** 63° F, PARTLY CLOUDY @ 0700

Building ID: NA **Wind Speed/Direction:** SSW 3 MPH

Sample Type: INDOOR AIR + OUTDOOR AIR

Sample ID	Canister ID (#)	Regulator ID (FC #)	Start			End		
			Vac (in.-Hg)	Time	Date	Vac (in.-Hg)	Time	Date
IA-5	D575	FC187	-32	0745	6/12/20	-11.98	1800	6/12/20
IA-6	D891	FC443	-29	0738	↓	-4.25	NVO	↓
IA-7	D924	FC458	-30	~~0732~~ 0940 EG	↓	-6.42	1720	↓
OA ~~1~~ SB	D863	FC70	-31	0747	↓	-7.90	1630	↓

Describe HVAC at the time of sampling (type, on or off and for how long). Indicate air intake and exhaust vent locations on maps.

SEE BELOW

Sample canister intermediate vacuum readings (in-Hg):

~~Time~~ SAMPLE ID SB	~~Sample ID~~ TIME	Notes
IA-5 SB	1233	VAC (IN-Hg) -24
IA-6 SB	1203	VAC (IN-Hg) -12
IA-7 SB	1247	VAC IN-Hg) -17
~~OA-1 IA-8~~ SB		~~VAC IN-Hg) -19~~ SB
OA	1244	VAC (IN-Hg) -20

Air conditioning? NOT ON

Fans? NOT OBSERVED

Heaters? NOT OBSERVED | NOT ON

Windows or doors open near samples?:

Smoking area nearby?: NOT OBSERVED

Chemical use or cleaning supplies nearby?: NOT OBSERVED

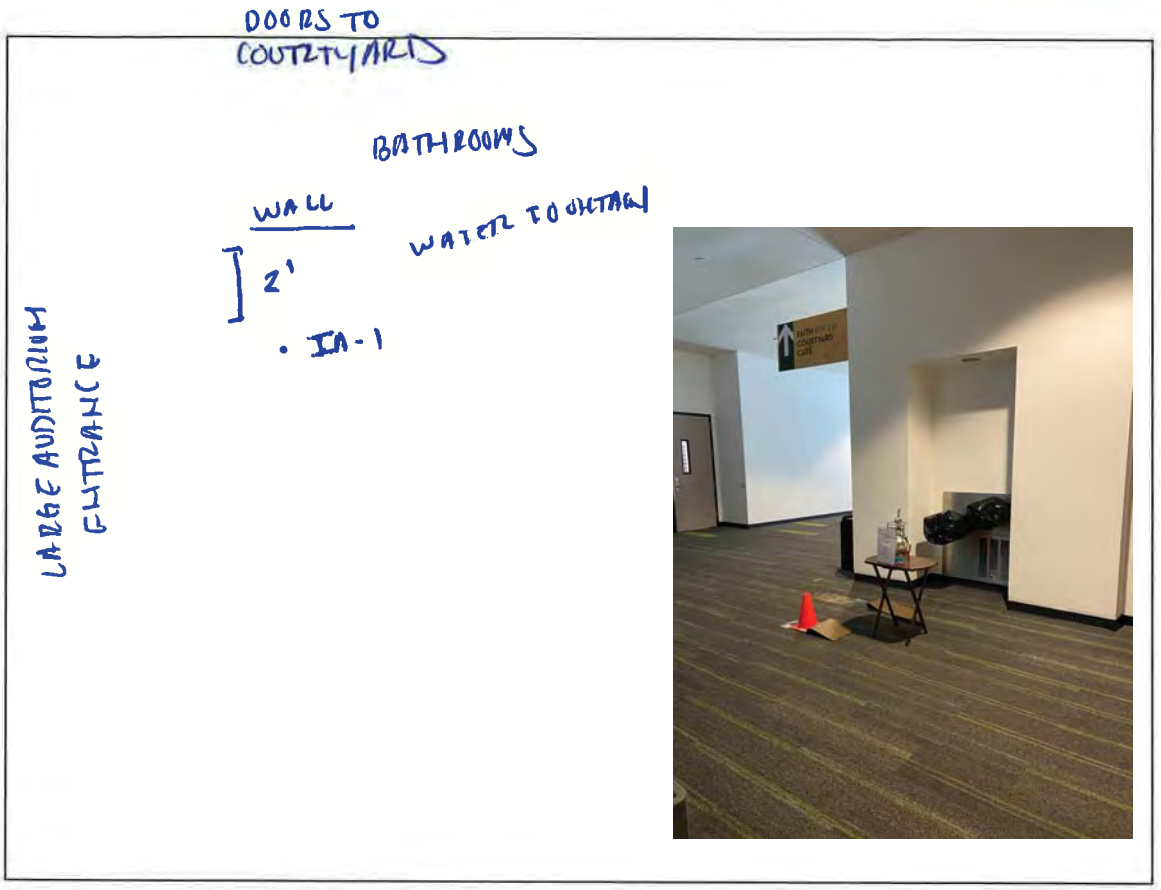
→ HALLWAY BY RESTROOMS
+ NEXT TO LARGE AUDITORIUM

IA-1

Sampling Locations

• IA-2

Draw the general floor plan of the building and denote locations of sample collection. Indicate locations of doors, windows, indoor air contaminant sources and field instrument readings.



Primary Type of Energy Used (Check appropriate boxes)

☐ Natural Gas ☐ Fuel Oil ☐ Propane ☒ Electricity ☐ Wood ☐ Kerosene

Meteorological Conditions

Describe the general weather conditions during the indoor air sampling event.

General Comments

Provide any other information that may be of importance in understanding the indoor air quality of this building.

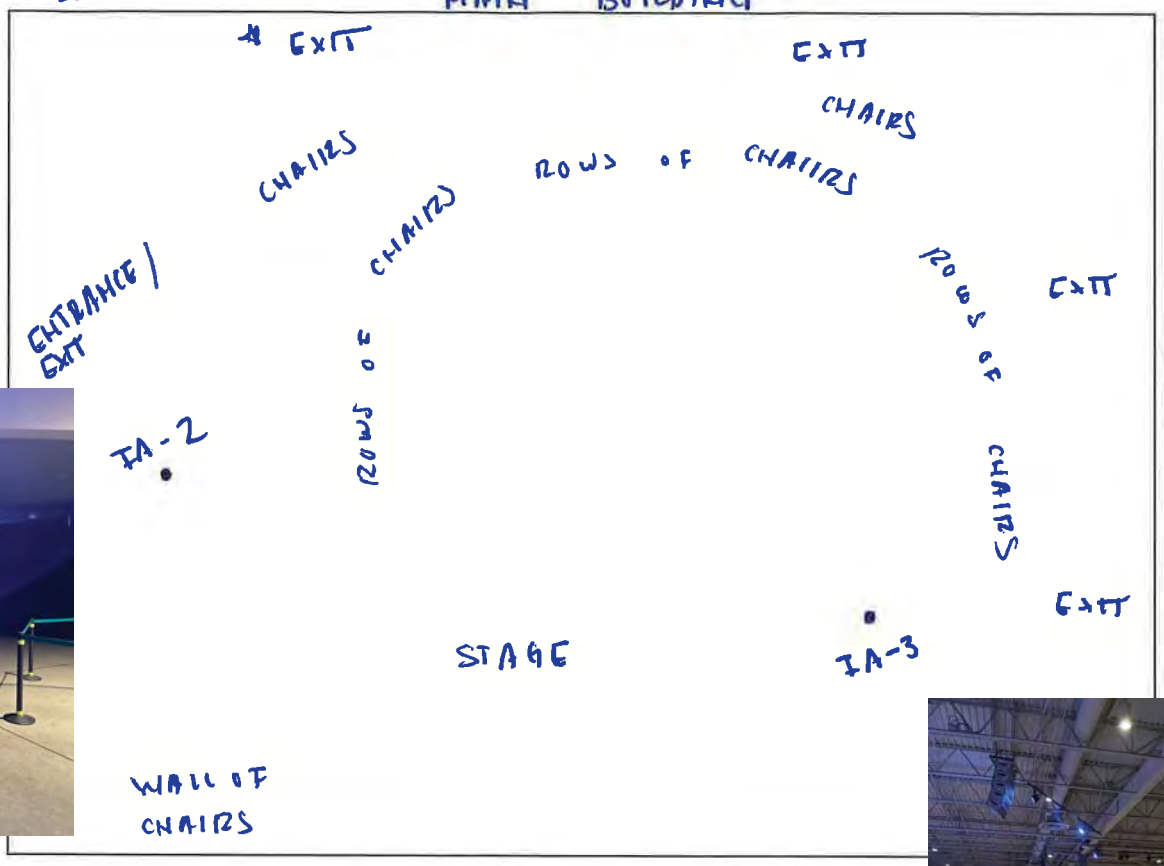
NO HVAC, NO WINDOWS (HALLWAY); DOOR TO LARGE AUDITORIUM ADJACENT TO LOCATION OPEN THROUGHOUT THE DAY, DOORS TO COURTYARD ACCESSED AND OPENED OCCASIONALLY DURING SAMPLING. LOCATION NEARBY BATHROOM

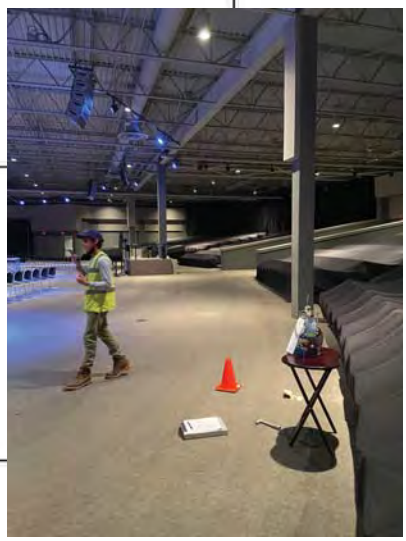
→ LARGE AUDITORIUM (NO WINDOWS)

Sampling Locations

IA-2 IA-3 → HIGH CEILINGS

Draw the general floor plan of the building and denote locations of sample collection. Indicate locations of doors, windows, indoor air contaminant sources and field instrument readings.





Primary Type of Energy Used (Check appropriate boxes)

☐ Natural Gas ☐ Fuel Oil ☐ Propane ☒ Electricity ☐ Wood ☐ Kerosene

Meteorological Conditions

Describe the general weather conditions during the indoor air sampling event.

General Comments

Provide any other information that may be of importance in understanding the indoor air quality of this building.

NO HVAC ON, IN LARGE AUDITORIUM, NO WINDOWS, HIGH CEILINGS
A EXIT ON NORTHEAST SIDE OF AUDITORIUM MOSTLY OPEN THROUGHOUT THE DAY; EXITS TO MAIN BUILDING. ALL OTHER EXITS CLOSED THROUGHOUT THE DAY

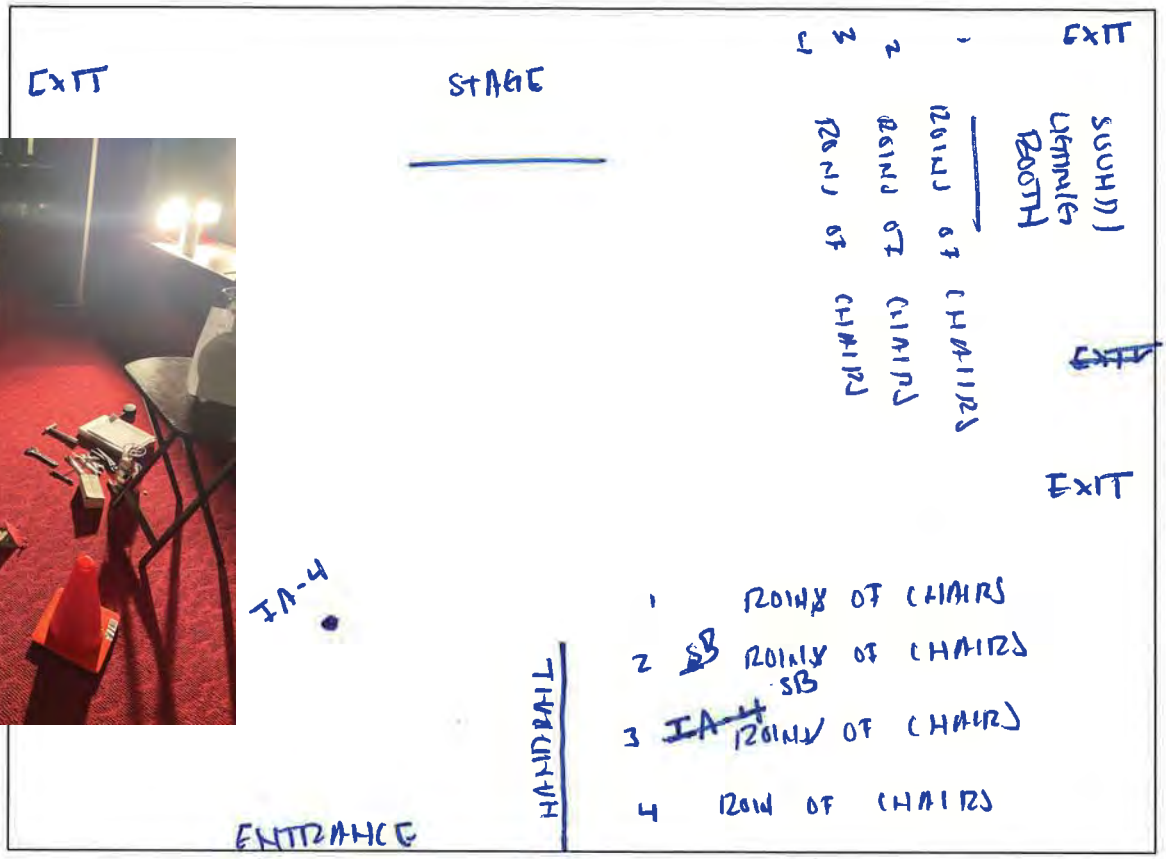
IA-2 37' FROM STAGE
IA-2 15' FROM NEAREST EXIT

IA-4

→ SMALL AUDITORIUM (NO WINDOWS)
→ TILED CARPET

Sampling Locations

Draw the general floor plan of the building and denote locations of sample collection. Indicate locations of doors, windows, indoor air contaminant sources and field instrument readings.



Primary Type of Energy Used (Check appropriate boxes)

☐ Natural Gas ☐ Fuel Oil ☐ Propane ☒ Electricity ☐ Wood ☐ Kerosene

Meteorological Conditions

Describe the general weather conditions during the indoor air sampling event.

General Comments

Provide any other information that may be of importance in understanding the indoor air quality of this building.

NO WINDOWS, SMALL AUDITORIUM W/ STAGE AND RAISED PLATFORM FOR ROWS OF CHAIRS, LIGHTING/SOUND BOOTH, NO HVAC ON INSIDE ROOM, TILE SB CARPET

IA-5

→ IN A HALLWAY (NO WINDOWS)

Sampling Locations

Draw the general floor plan of the building and denote locations of sample collection. Indicate locations of doors, windows, indoor air contaminant sources and field instrument readings.

Primary Type of Energy Used (Check appropriate boxes)

☐ Natural Gas ☐ Fuel Oil ☐ Propane ☒ Electricity ☐ Wood ☐ Kerosene

Meteorological Conditions

Describe the general weather conditions during the indoor air sampling event.

General Comments

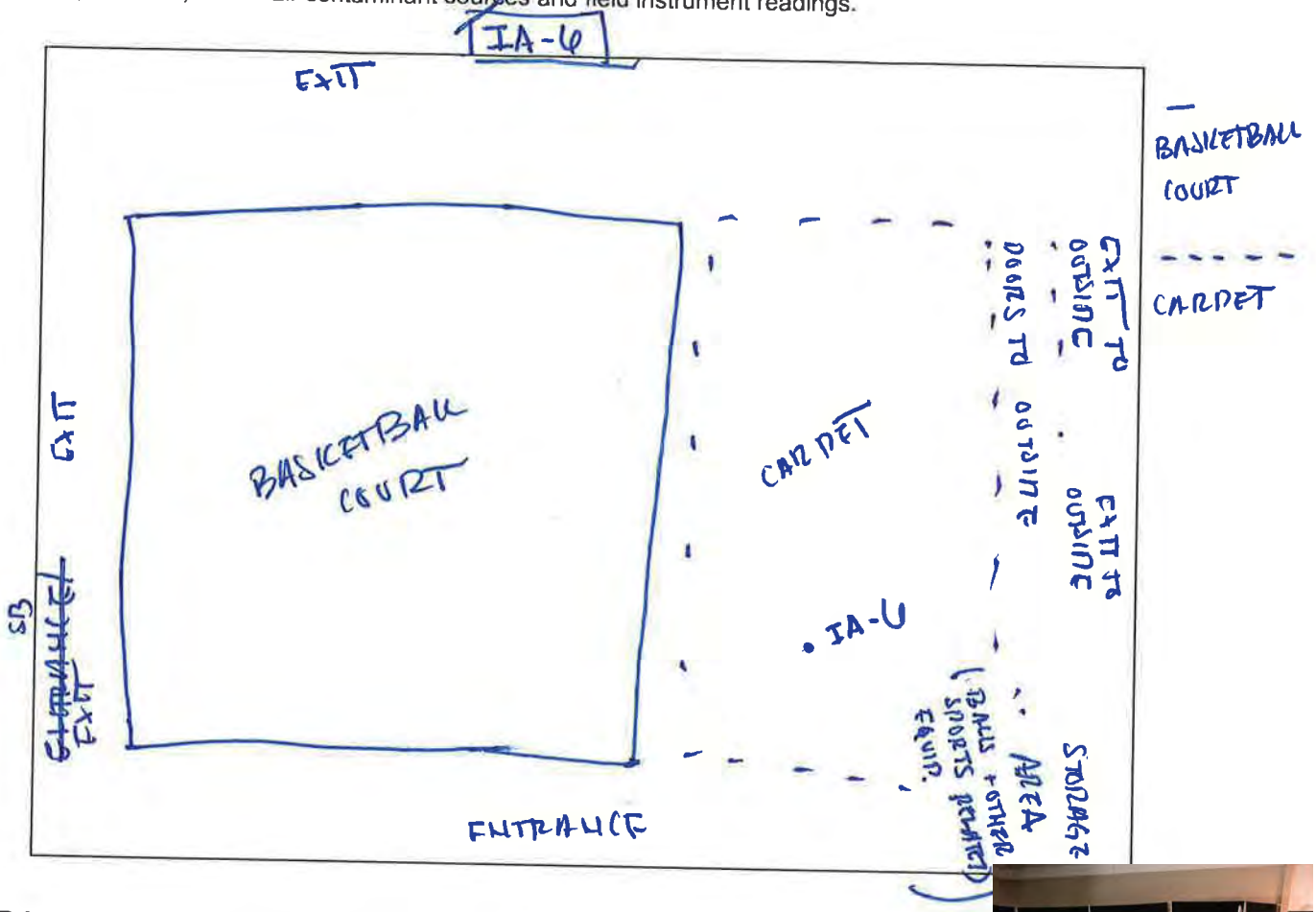
Provide any other information that may be of importance in understanding the indoor air quality of this building.

HVAC ON. NO WINDOWS IN HALLWAY. SOME FOOT TRAFFIC IN HALLWAY. ADJACENT TO CLASSROOMS. HALLWAY DOORS TO MAIN LOBBY/ ENTRANCE OPEN DURING SAMPLING.

→ SMALL GYM / BASKETBALL COURT W/ ADJACENT CARPET

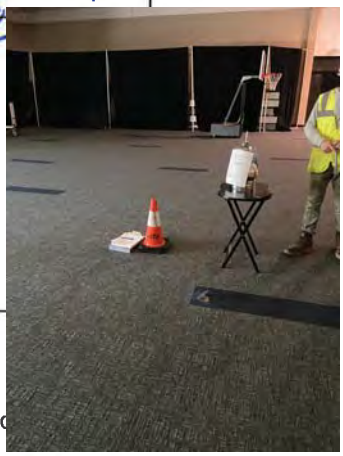
Sampling Locations

Draw the general floor plan of the building and denote locations of sample collection. Indicate locations of doors, windows, indoor air contaminant sources and field instrument readings.



Primary Type of Energy Used (Check appropriate boxes)

☐ Natural Gas ☐ Fuel Oil ☐ Propane ☒ Electricity ☐ Wood ☐ Kerosene



Meteorological Conditions

Describe the general weather conditions during the indoor air sampling event.

General Comments

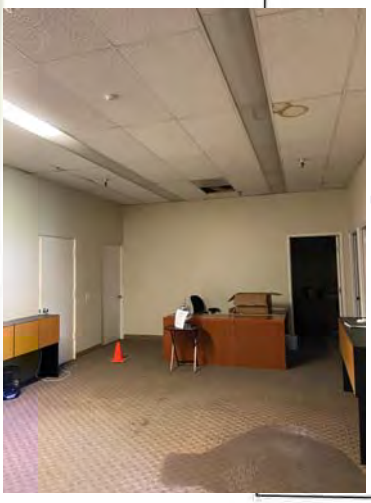
Provide any other information that may be of importance in understanding the indoor air c
building.

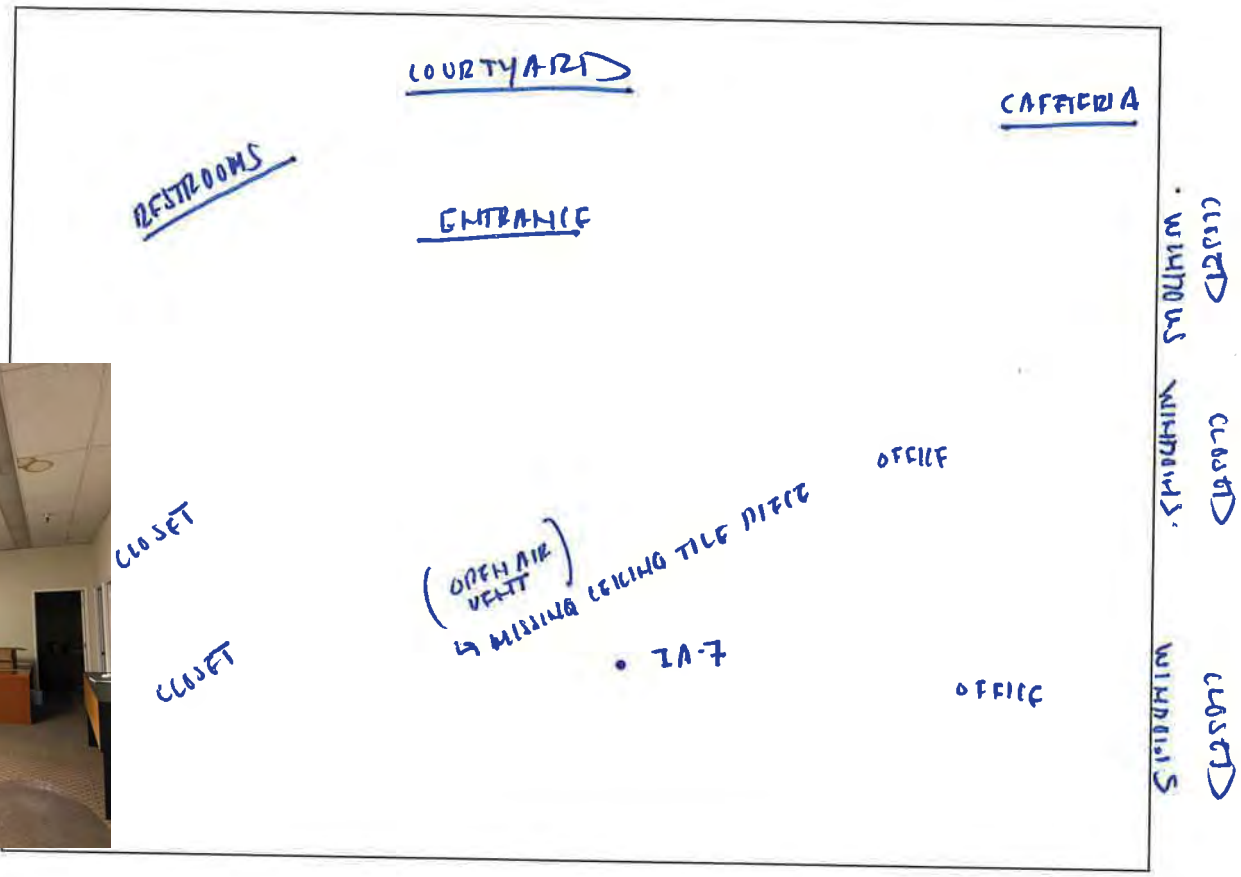
NO HVAC ON; TWO WINDOWS/DOORS THAT LEAD TO OUTSIDE. DOORS CLOSED DURING SAMPLING. ALL DOORS CLOSED

Sampling Locations IA-7

→ SMALL VACANT OFFICES
→ <10 ROOMS., ALL IN WITH CLOSED WINDOWS

Draw the general floor plan of the building and denote locations of sample collection. Indicate locations of doors, windows, indoor air contaminant sources and field instrument readings.





Primary Type of Energy Used (Check appropriate boxes)

☐ Natural Gas ☐ Fuel Oil ☐ Propane ☒ Electricity ☐ Wood ☐ Kerosene

Meteorological Conditions

Describe the general weather conditions during the indoor air sampling event.

General Comments

Provide any other information that may be of importance in understanding the indoor air quality of this building.

NO HVAC RUNNING IN SMALL OFFICE SPACE (<10 ROOMS) MULTIPLE WINDOWS ALL CLOSED. THERMOSTAT READING 80S. OFFICE IS VACANT. MULTIPLES OF 'ABANDONED' OFFICE SUPPLIES, USED BATTERIES IN CLOSET NEARBY. ~~ASSU~~ SB CARPET. DOORS WERE CLOSED DURING SAMPLING

ATTACHMENT B

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
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Laboratory Job ID: 570-30685-1
Client Project/Site: PNR0651FW2/267B

For:
Geosyntec Consultants, Inc.
520 Pike Street
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Seattle, Washington 98101

Attn: Molly Taptich

Authorized for release by:
6/15/2020 6:11:27 PM

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Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
me	LCS Recovery is within Marginal Exdeedance (ME) control limit range (± 4 SD from the mean).

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
L	A negative instrument reading had an absolute value greater than the reporting limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-30685-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-30685-1

Comments
No additional comments.

Receipt
The samples were received on 6/11/2020 5:03 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method 8260B: The initial calibration curve analyzed in batch 570-74963 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-74963.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA
Method 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-74988.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: The absolute response for Molybdenum and Selenium was greater than the method reporting limit (RL) in the following samples: S-2 (570-30685-2), S-3 (570-30685-3) and S-4 (570-30685-4).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-75110 and analytical batch 570-75210 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: Due to the high concentration of Barium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 570-75110 and analytical batch 570-75210 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 6010B: The absolute response for Molybdenum and Selenium was greater than the method reporting limit (RL) in the following sample: S-1 (570-30685-1).
The instrument raw data has been manually reviewed and the result can be reported as ND.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

Job ID: 570-30685-1 (Continued)

Laboratory: Eurofins Calscience LLC (Continued)

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Client Sample ID: S-1 — Lab Sample ID: 570-30685-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.053		0.020		mg/Kg	1		8270C SIM	Total/NA
Arsenic	8.71		0.739		mg/Kg	1		6010B	Total/NA
Barium	119		0.493		mg/Kg	1		6010B	Total/NA
Beryllium	0.625		0.246		mg/Kg	1		6010B	Total/NA
Cadmium	0.837		0.493		mg/Kg	1		6010B	Total/NA
Chromium	14.2		0.246		mg/Kg	1		6010B	Total/NA
Cobalt	10.2		0.246		mg/Kg	1		6010B	Total/NA
Copper	24.0		0.493		mg/Kg	1		6010B	Total/NA
Lead	4.47		0.493		mg/Kg	1		6010B	Total/NA
Nickel	13.9		0.246		mg/Kg	1		6010B	Total/NA
Vanadium	37.3		0.246		mg/Kg	1		6010B	Total/NA
Zinc	47.1		0.985		mg/Kg	1		6010B	Total/NA
Mercury	0.133		0.0862		mg/Kg	1		7471A	Total/NA

Client Sample ID: S-2 — Lab Sample ID: 570-30685-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.55		0.773		mg/Kg	1		6010B	Total/NA
Barium	119		0.515		mg/Kg	1		6010B	Total/NA
Beryllium	0.525		0.258		mg/Kg	1		6010B	Total/NA
Chromium	12.0		0.258		mg/Kg	1		6010B	Total/NA
Cobalt	8.80		0.258		mg/Kg	1		6010B	Total/NA
Copper	19.2		0.515		mg/Kg	1		6010B	Total/NA
Lead	5.43		0.515		mg/Kg	1		6010B	Total/NA
Nickel	11.3		0.258		mg/Kg	1		6010B	Total/NA
Vanadium	31.3		0.258		mg/Kg	1		6010B	Total/NA
Zinc	41.6		1.03		mg/Kg	1		6010B	Total/NA
Mercury	0.293		0.0820		mg/Kg	1		7471A	Total/NA

Client Sample ID: S-3 — Lab Sample ID: 570-30685-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.80		0.735		mg/Kg	1		6010B	Total/NA
Barium	117		0.490		mg/Kg	1		6010B	Total/NA
Beryllium	0.575		0.245		mg/Kg	1		6010B	Total/NA
Chromium	13.4		0.245		mg/Kg	1		6010B	Total/NA
Cobalt	9.88		0.245		mg/Kg	1		6010B	Total/NA
Copper	20.5		0.490		mg/Kg	1		6010B	Total/NA
Lead	1.92		0.490		mg/Kg	1		6010B	Total/NA
Nickel	12.4		0.245		mg/Kg	1		6010B	Total/NA
Vanadium	34.8		0.245		mg/Kg	1		6010B	Total/NA
Zinc	42.4		0.980		mg/Kg	1		6010B	Total/NA
Mercury	0.122		0.0877		mg/Kg	1		7471A	Total/NA

Client Sample ID: S-4 — Lab Sample ID: 570-30685-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C25-C28	9.3		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	16		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	13		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	7.9		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	50		4.9		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Client Sample ID: S-4 (Continued)

Lab Sample ID: 570-30685-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	11		4.9		mg/Kg	1		8015B	Total/NA
Antimony	0.894		0.746		mg/Kg	1		6010B	Total/NA
Arsenic	1.34		0.746		mg/Kg	1		6010B	Total/NA
Barium	130		0.498		mg/Kg	1		6010B	Total/NA
Beryllium	0.600		0.249		mg/Kg	1		6010B	Total/NA
Chromium	13.7		0.249		mg/Kg	1		6010B	Total/NA
Cobalt	9.95		0.249		mg/Kg	1		6010B	Total/NA
Copper	20.6		0.498		mg/Kg	1		6010B	Total/NA
Lead	1.23		0.498		mg/Kg	1		6010B	Total/NA
Nickel	12.8		0.249		mg/Kg	1		6010B	Total/NA
Vanadium	35.6		0.249		mg/Kg	1		6010B	Total/NA
Zinc	43.6		0.995		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-1
Date Collected: 06/11/20 13:50
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,1,1-Trichloroethane	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	9.9		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,1,2-Trichloroethane	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,1-Dichloroethane	ND	*	0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,1-Dichloroethene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,1-Dichloropropene	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,2-Dibromoethane	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,2-Dichlorobenzene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,2-Dichloroethane	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,2-Dichloropropane	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,3-Dichlorobenzene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,3-Dichloropropane	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
1,4-Dichlorobenzene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
2,2-Dichloropropane	ND		4.9		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
2-Butanone	ND		20		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
2-Chlorotoluene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
2-Hexanone	ND		20		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
4-Chlorotoluene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
4-Methyl-2-pentanone	ND		20		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Acetone	ND		49		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Benzene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Bromobenzene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Bromochloromethane	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Bromodichloromethane	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Bromoform	ND		4.9		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Bromomethane	ND		20		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
cis-1,2-Dichloroethene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
cis-1,3-Dichloropropene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Carbon disulfide	ND		9.9		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Carbon tetrachloride	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Chlorobenzene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Chloroethane	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Chloroform	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Chloromethane	ND		20		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Dibromochloromethane	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Dibromomethane	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Di-isopropyl ether (DIPE)	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Ethanol	ND		490		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Ethylbenzene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Ethyl-t-butyl ether (ETBE)	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-1
Date Collected: 06/11/20 13:50
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Methylene Chloride	ND		9.9		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Naphthalene	ND		9.9		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
n-Butylbenzene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
N-Propylbenzene	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
o-Xylene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
m,p-Xylene	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
p-Isopropyltoluene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
sec-Butylbenzene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Styrene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
trans-1,2-Dichloroethene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Tert-amyl-methyl ether (TAME)	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
tert-Butylbenzene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Tetrachloroethene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Toluene	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Trichloroethene	ND		2.0		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Trichlorofluoromethane	ND		9.9		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Vinyl acetate	ND		9.9		ug/Kg		06/11/20 19:57	06/12/20 11:42	1
Vinyl chloride	ND		0.99		ug/Kg		06/11/20 19:57	06/12/20 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*71 - 155*	*06/11/20 19:57*	*06/12/20 11:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*06/11/20 19:57*	*06/12/20 11:42*	*1*
Dibromofluoromethane (Surr)	*108*		*79 - 133*	*06/11/20 19:57*	*06/12/20 11:42*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/11/20 19:57*	*06/12/20 11:42*	*1*

Client Sample ID: S-2
Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,1,1-Trichloroethane	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,1,2,2-Tetrachloroethane	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	12		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,1,2-Trichloroethane	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,1-Dichloroethane	ND	*	1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,1-Dichloroethene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,1-Dichloropropene	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,2,3-Trichlorobenzene	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,2,3-Trichloropropane	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,2,4-Trichlorobenzene	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,2,4-Trimethylbenzene	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,2-Dibromo-3-Chloropropane	ND		12		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,2-Dibromoethane	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,2-Dichlorobenzene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,2-Dichloroethane	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,2-Dichloropropane	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-2
Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,3-Dichlorobenzene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,3-Dichloropropane	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
1,4-Dichlorobenzene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
2,2-Dichloropropane	ND		6.0		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
2-Butanone	ND		24		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
2-Chlorotoluene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
2-Hexanone	ND		24		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
4-Chlorotoluene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
4-Methyl-2-pentanone	ND		24		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Acetone	ND		60		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Benzene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Bromobenzene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Bromochloromethane	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Bromodichloromethane	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Bromoform	ND		6.0		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Bromomethane	ND		24		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
cis-1,2-Dichloroethene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
cis-1,3-Dichloropropene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Carbon disulfide	ND		12		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Carbon tetrachloride	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Chlorobenzene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Chloroethane	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Chloroform	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Chloromethane	ND		24		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Dibromochloromethane	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Dibromomethane	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Dichlorodifluoromethane	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Di-isopropyl ether (DIPE)	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Ethanol	ND		600		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Ethylbenzene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Ethyl-t-butyl ether (ETBE)	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Isopropylbenzene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Methylene Chloride	ND		12		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Methyl-t-Butyl Ether (MTBE)	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Naphthalene	ND		12		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
n-Butylbenzene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
N-Propylbenzene	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
o-Xylene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
m,p-Xylene	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
p-Isopropyltoluene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
sec-Butylbenzene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Styrene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
trans-1,2-Dichloroethene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
trans-1,3-Dichloropropene	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Tert-amyl-methyl ether (TAME)	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
tert-Butyl alcohol (TBA)	ND		24		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
tert-Butylbenzene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Tetrachloroethene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-2
Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Trichloroethene	ND		2.4		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Trichlorofluoromethane	ND		12		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Vinyl acetate	ND		12		ug/Kg		06/11/20 19:57	06/12/20 12:09	1
Vinyl chloride	ND		1.2		ug/Kg		06/11/20 19:57	06/12/20 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*71 - 155*	*06/11/20 19:57*	*06/12/20 12:09*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*06/11/20 19:57*	*06/12/20 12:09*	*1*
Dibromofluoromethane (Surr)	*106*		*79 - 133*	*06/11/20 19:57*	*06/12/20 12:09*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/11/20 19:57*	*06/12/20 12:09*	*1*

Client Sample ID: S-3
Date Collected: 06/11/20 11:08
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,1,1-Trichloroethane	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	8.3		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,1,2-Trichloroethane	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,1-Dichloroethane	ND	*	0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,1-Dichloroethene	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,1-Dichloropropene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,2-Dibromo-3-Chloropropane	ND		8.3		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,2-Dibromoethane	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,2-Dichlorobenzene	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,2-Dichloroethane	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,2-Dichloropropane	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,3-Dichlorobenzene	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,3-Dichloropropane	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
1,4-Dichlorobenzene	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
2,2-Dichloropropane	ND		4.1		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
2-Butanone	ND		17		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
2-Chlorotoluene	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
2-Hexanone	ND		17		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
4-Chlorotoluene	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
4-Methyl-2-pentanone	ND		17		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Acetone	ND		41		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Benzene	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Bromobenzene	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Bromochloromethane	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Bromodichloromethane	ND		0.83		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Bromoform	ND		4.1		ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Bromomethane	ND		17		ug/Kg		06/11/20 19:57	06/12/20 12:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-3
Date Collected: 06/11/20 11:08
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-3
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
cis-1,3-Dichloropropene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Carbon disulfide	ND		8.3	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Carbon tetrachloride	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Chlorobenzene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Chloroethane	ND		1.7	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Chloroform	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Chloromethane	ND		17	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Dibromochloromethane	ND		1.7	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Dibromomethane	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Dichlorodifluoromethane	ND		1.7	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Di-isopropyl ether (DIPE)	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Ethanol	ND		410	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Ethylbenzene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Ethyl-t-butyl ether (ETBE)	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Isopropylbenzene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Methylene Chloride	ND		8.3	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Naphthalene	ND		8.3	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
n-Butylbenzene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
N-Propylbenzene	ND		1.7	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
o-Xylene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
m,p-Xylene	ND		1.7	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
p-Isopropyltoluene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
sec-Butylbenzene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Styrene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
trans-1,2-Dichloroethene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
trans-1,3-Dichloropropene	ND		1.7	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Tert-amyl-methyl ether (TAME)	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
tert-Butyl alcohol (TBA)	ND		17	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
tert-Butylbenzene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Tetrachloroethene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Toluene	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Trichloroethene	ND		1.7	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Trichlorofluoromethane	ND		8.3	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Vinyl acetate	ND		8.3	ug/Kg		06/11/20 19:57	06/12/20 12:36	1
Vinyl chloride	ND		0.83	ug/Kg		06/11/20 19:57	06/12/20 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*71 - 155*	*06/11/20 19:57*	*06/12/20 12:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*06/11/20 19:57*	*06/12/20 12:36*	*1*
Dibromofluoromethane (Surr)	*102*		*79 - 133*	*06/11/20 19:57*	*06/12/20 12:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/11/20 19:57*	*06/12/20 12:36*	*1*

Client Sample ID: S-4
Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.84	ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,1,1-Trichloroethane	ND		0.84	ug/Kg		06/11/20 19:57	06/12/20 13:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-4
Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	8.4		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,1,2-Trichloroethane	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,1-Dichloroethane	ND	*	0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,1-Dichloroethene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,1-Dichloropropene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,2-Dibromo-3-Chloropropane	ND		8.4		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,2-Dibromoethane	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,2-Dichlorobenzene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,2-Dichloroethane	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,2-Dichloropropane	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,3-Dichlorobenzene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,3-Dichloropropane	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
1,4-Dichlorobenzene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
2,2-Dichloropropane	ND		4.2		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
2-Butanone	ND		17		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
2-Chlorotoluene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
2-Hexanone	ND		17		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
4-Chlorotoluene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
4-Methyl-2-pentanone	ND		17		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Acetone	ND		42		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Benzene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Bromobenzene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Bromochloromethane	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Bromodichloromethane	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Bromoform	ND		4.2		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Bromomethane	ND		17		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
cis-1,2-Dichloroethene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
cis-1,3-Dichloropropene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Carbon disulfide	ND		8.4		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Carbon tetrachloride	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Chlorobenzene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Chloroethane	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Chloroform	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Chloromethane	ND		17		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Dibromochloromethane	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Dibromomethane	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Di-isopropyl ether (DIPE)	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Ethanol	ND		420		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Ethylbenzene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Ethyl-t-butyl ether (ETBE)	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Isopropylbenzene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Methylene Chloride	ND		8.4		ug/Kg		06/11/20 19:57	06/12/20 13:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-4
Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Naphthalene	ND		8.4		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
n-Butylbenzene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
N-Propylbenzene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
o-Xylene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
m,p-Xylene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
p-Isopropyltoluene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
sec-Butylbenzene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Styrene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
trans-1,2-Dichloroethene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Tert-amyl-methyl ether (TAME)	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
tert-Butylbenzene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Tetrachloroethene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Toluene	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Trichloroethene	ND		1.7		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Trichlorofluoromethane	ND		8.4		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Vinyl acetate	ND		8.4		ug/Kg		06/11/20 19:57	06/12/20 13:02	1
Vinyl chloride	ND		0.84		ug/Kg		06/11/20 19:57	06/12/20 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*71 - 155*	*06/11/20 19:57*	*06/12/20 13:02*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*	*06/11/20 19:57*	*06/12/20 13:02*	*1*
Dibromofluoromethane (Surr)	*105*		*79 - 133*	*06/11/20 19:57*	*06/12/20 13:02*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/11/20 19:57*	*06/12/20 13:02*	*1*

Method: 8270C SIM - PAHs (GC/MS SIM)

Client Sample ID: S-1
Date Collected: 06/11/20 13:50
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
2-Methylnaphthalene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Acenaphthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Acenaphthylene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Benzo[g,h,i]perylene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Benzo[k]fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Benzo[a]anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Benzo[a]pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Benzo[b]fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Chrysene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Dibenz(a,h)anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Fluorene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Indeno[1,2,3-cd]pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Naphthalene	**0.053**		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Phenanthrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1
Pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*48*		*22 - 130*	*06/12/20 09:22*	*06/15/20 12:49*	*1*
Nitrobenzene-d5 (Surr)	*51*		*20 - 145*	*06/12/20 09:22*	*06/15/20 12:49*	*1*
p-Terphenyl-d14 (Surr)	*66*		*33 - 147*	*06/12/20 09:22*	*06/15/20 12:49*	*1*

Client Sample ID: S-2
Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
2-Methylnaphthalene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Acenaphthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Acenaphthylene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Benzo[g,h,i]perylene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Benzo[k]fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Benzo[a]anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Benzo[a]pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Benzo[b]fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Chrysene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Dibenz(a,h)anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Fluorene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Indeno[1,2,3-cd]pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Naphthalene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Phenanthrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1
Pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*22 - 130*	*06/12/20 09:22*	*06/15/20 13:09*	*1*
Nitrobenzene-d5 (Surr)	*60*		*20 - 145*	*06/12/20 09:22*	*06/15/20 13:09*	*1*

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Client Sample ID: S-2
Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl-d14 (Surr)	*69*		*33 - 147*	*06/12/20 09:22*	*06/15/20 13:09*	*1*

Client Sample ID: S-3
Date Collected: 06/11/20 11:08
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
2-Methylnaphthalene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Acenaphthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Acenaphthylene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Benzo[g,h,i]perylene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Benzo[k]fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Benzo[a]anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Benzo[a]pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Benzo[b]fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Chrysene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Dibenz(a,h)anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Fluorene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Indeno[1,2,3-cd]pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Naphthalene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Phenanthrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1
Pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*22 - 130*	*06/12/20 09:22*	*06/15/20 13:28*	*1*
Nitrobenzene-d5 (Surr)	*69*		*20 - 145*	*06/12/20 09:22*	*06/15/20 13:28*	*1*
p-Terphenyl-d14 (Surr)	*74*		*33 - 147*	*06/12/20 09:22*	*06/15/20 13:28*	*1*

Client Sample ID: S-4
Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
2-Methylnaphthalene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Acenaphthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Acenaphthylene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Benzo[g,h,i]perylene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Benzo[k]fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Benzo[a]anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Benzo[a]pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Benzo[b]fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Chrysene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Dibenz(a,h)anthracene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Fluoranthene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Fluorene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Indeno[1,2,3-cd]pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Naphthalene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Client Sample ID: S-4
Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1
Pyrene	ND		0.020		mg/Kg		06/12/20 09:22	06/15/20 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*22 - 130*	*06/12/20 09:22*	*06/15/20 13:48*	*1*
Nitrobenzene-d5 (Surr)	*65*		*20 - 145*	*06/12/20 09:22*	*06/15/20 13:48*	*1*
p-Terphenyl-d14 (Surr)	*72*		*33 - 147*	*06/12/20 09:22*	*06/15/20 13:48*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: S-1
Date Collected: 06/11/20 13:50
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.10		mg/Kg		06/11/20 19:57	06/12/20 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*42 - 126*	*06/11/20 19:57*	*06/12/20 12:32*	*1*

Client Sample ID: S-2
Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.11		mg/Kg		06/11/20 19:57	06/12/20 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*57*		*42 - 126*	*06/11/20 19:57*	*06/12/20 12:08*	*1*

Client Sample ID: S-3
Date Collected: 06/11/20 11:08
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.079		mg/Kg		06/11/20 19:57	06/12/20 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*42 - 126*	*06/11/20 19:57*	*06/12/20 11:45*	*1*

Client Sample ID: S-4
Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.13		mg/Kg		06/11/20 19:57	06/12/20 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*42 - 126*	*06/11/20 19:57*	*06/12/20 11:22*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: S-1
Date Collected: 06/11/20 13:50
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C7 as C7	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C8 as C8	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C9-C10	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C11-C12	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C13-C14	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C15-C16	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C17-C18	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C19-C20	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C21-C22	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C23-C24	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C25-C28	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C29-C32	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C33-C36	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C37-C40	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C41-C44	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
C6-C44	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1
Diesel Range Organics [C10-C28]	ND		4.8		mg/Kg		06/11/20 19:24	06/12/20 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*105*		*61 - 145*	*06/11/20 19:24*	*06/12/20 10:56*	*1*

Client Sample ID: S-2
Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C7 as C7	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C8 as C8	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C9-C10	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C11-C12	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C13-C14	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C15-C16	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C17-C18	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C19-C20	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C21-C22	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C23-C24	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C25-C28	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C29-C32	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C33-C36	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C37-C40	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C41-C44	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
C6-C44	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1
Diesel Range Organics [C10-C28]	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*61 - 145*	*06/11/20 19:24*	*06/12/20 11:16*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: S-3
Date Collected: 06/11/20 11:08
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C7 as C7	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C8 as C8	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C9-C10	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C11-C12	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C13-C14	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C15-C16	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C17-C18	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C19-C20	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C21-C22	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C23-C24	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C25-C28	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C29-C32	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C33-C36	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C37-C40	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C41-C44	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
C6-C44	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		06/11/20 19:24	06/12/20 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*61 - 145*	*06/11/20 19:24*	*06/12/20 11:38*	*1*

Client Sample ID: S-4
Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C7 as C7	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C8 as C8	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C9-C10	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C11-C12	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C13-C14	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C15-C16	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C17-C18	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C19-C20	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C21-C22	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C23-C24	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C25-C28	**9.3**		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C29-C32	**16**		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C33-C36	**13**		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C37-C40	**7.9**		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C41-C44	ND		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
C6-C44	**50**		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1
Diesel Range Organics [C10-C28]	**11**		4.9		mg/Kg		06/11/20 19:24	06/12/20 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*61 - 145*	*06/11/20 19:24*	*06/12/20 13:02*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: S-1
Date Collected: 06/11/20 13:50
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:41	1
Aroclor-1221	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:41	1
Aroclor-1232	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:41	1
Aroclor-1242	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:41	1
Aroclor-1248	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:41	1
Aroclor-1254	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:41	1
Aroclor-1260	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:41	1
Aroclor-1262	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:41	1
Aroclor-1268	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*78*		*25 - 126*	*06/12/20 09:18*	*06/13/20 00:41*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*20 - 155*	*06/12/20 09:18*	*06/13/20 00:41*	*1*

Client Sample ID: S-2
Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:59	1
Aroclor-1221	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:59	1
Aroclor-1232	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:59	1
Aroclor-1242	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:59	1
Aroclor-1248	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:59	1
Aroclor-1254	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:59	1
Aroclor-1260	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:59	1
Aroclor-1262	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:59	1
Aroclor-1268	ND		50		ug/Kg		06/12/20 09:18	06/13/20 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*80*		*25 - 126*	*06/12/20 09:18*	*06/13/20 00:59*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*20 - 155*	*06/12/20 09:18*	*06/13/20 00:59*	*1*

Client Sample ID: S-3
Date Collected: 06/11/20 11:08
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:17	1
Aroclor-1221	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:17	1
Aroclor-1232	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:17	1
Aroclor-1242	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:17	1
Aroclor-1248	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:17	1
Aroclor-1254	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:17	1
Aroclor-1260	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:17	1
Aroclor-1262	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:17	1
Aroclor-1268	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*83*		*25 - 126*	*06/12/20 09:18*	*06/13/20 01:17*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*20 - 155*	*06/12/20 09:18*	*06/13/20 01:17*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: S-4
Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:35	1
Aroclor-1221	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:35	1
Aroclor-1232	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:35	1
Aroclor-1242	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:35	1
Aroclor-1248	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:35	1
Aroclor-1254	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:35	1
Aroclor-1260	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:35	1
Aroclor-1262	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:35	1
Aroclor-1268	ND		50		ug/Kg		06/12/20 09:18	06/13/20 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*81*		*25 - 126*	*06/12/20 09:18*	*06/13/20 01:35*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*20 - 155*	*06/12/20 09:18*	*06/13/20 01:35*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: S-1
Date Collected: 06/11/20 13:50
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1	0.739		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Arsenic	**8.71**		0.739		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Barium	**119**		0.493		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Beryllium	**0.625**		0.246		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Cadmium	**0.837**		0.493		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Chromium	**14.2**		0.246		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Cobalt	**10.2**		0.246		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Copper	**24.0**		0.493		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Lead	**4.47**		0.493		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Molybdenum	ND	L	0.246		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Nickel	**13.9**		0.246		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Selenium	ND	L	0.739		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Silver	ND		0.246		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Thallium	ND		0.739		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Vanadium	**37.3**		0.246		mg/Kg		06/12/20 14:30	06/15/20 10:16	1
Zinc	**47.1**		0.985		mg/Kg		06/12/20 14:30	06/15/20 10:16	1

Client Sample ID: S-2
Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.773		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Arsenic	**2.55**		0.773		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Barium	**119**		0.515		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Beryllium	**0.525**		0.258		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Cadmium	ND		0.515		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Chromium	**12.0**		0.258		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Cobalt	**8.80**		0.258		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Copper	**19.2**		0.515		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Lead	**5.43**		0.515		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Molybdenum	ND	L	0.258		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Nickel	**11.3**		0.258		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Selenium	ND	L	0.773		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Silver	ND		0.258		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Thallium	ND		0.773		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Vanadium	**31.3**		0.258		mg/Kg		06/12/20 14:30	06/12/20 21:35	1
Zinc	**41.6**		1.03		mg/Kg		06/12/20 14:30	06/12/20 21:35	1

Client Sample ID: S-3
Date Collected: 06/11/20 11:08
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.735		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Arsenic	**2.80**		0.735		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Barium	**117**		0.490		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Beryllium	**0.575**		0.245		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Cadmium	ND		0.490		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Chromium	**13.4**		0.245		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Cobalt	**9.88**		0.245		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Copper	**20.5**		0.490		mg/Kg		06/12/20 14:30	06/12/20 21:37	1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: S-3
Date Collected: 06/11/20 11:08
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.92**		0.490		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Molybdenum	ND	L	0.245		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Nickel	**12.4**		0.245		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Selenium	ND	L	0.735		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Silver	ND		0.245		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Thallium	ND		0.735		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Vanadium	**34.8**		0.245		mg/Kg		06/12/20 14:30	06/12/20 21:37	1
Zinc	**42.4**		0.980		mg/Kg		06/12/20 14:30	06/12/20 21:37	1

Client Sample ID: S-4
Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.894**		0.746		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Arsenic	**1.34**		0.746		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Barium	**130**		0.498		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Beryllium	**0.600**		0.249		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Cadmium	ND		0.498		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Chromium	**13.7**		0.249		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Cobalt	**9.95**		0.249		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Copper	**20.6**		0.498		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Lead	**1.23**		0.498		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Molybdenum	ND	L	0.249		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Nickel	**12.8**		0.249		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Selenium	ND	L	0.746		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Silver	ND		0.249		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Thallium	ND		0.746		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Vanadium	**35.6**		0.249		mg/Kg		06/12/20 14:30	06/12/20 22:03	1
Zinc	**43.6**		0.995		mg/Kg		06/12/20 14:30	06/12/20 22:03	1

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: S-1
Date Collected: 06/11/20 13:50
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.133**		0.0862		mg/Kg		06/12/20 14:30	06/15/20 13:04	1

Client Sample ID: S-2
Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.293**		0.0820		mg/Kg		06/12/20 14:30	06/15/20 13:11	1

Client Sample ID: S-3
Date Collected: 06/11/20 11:08
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.122**		0.0877		mg/Kg		06/12/20 14:30	06/15/20 13:14	1

Client Sample ID: S-4
Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		06/12/20 14:30	06/15/20 13:16	1

Surrogate Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(71-155)	(80-120)	(79-133)	(80-120)
570-30685-1	S-1	111	100	108	100
570-30685-2	S-2	112	101	106	100
570-30685-3	S-3	109	101	102	100
570-30685-4	S-4	111	102	105	100
LCS 570-74963/4	Lab Control Sample	94	102	102	99
LCSD 570-74963/5	Lab Control Sample Dup	97	101	102	100
MB 570-74963/7	Method Blank	99	100	102	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C SIM - PAHs (GC/MS SIM)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(22-130)	(20-145)	(33-147)
570-30685-1	S-1	48	51	66
570-30685-1 MS	S-1	74	80	88
570-30685-1 MSD	S-1	65	71	77
570-30685-2	S-2	56	60	69
570-30685-3	S-3	63	69	74
570-30685-4	S-4	61	65	72
LCS 570-75006/2-A	Lab Control Sample	72	79	84
LCSD 570-75006/3-A	Lab Control Sample Dup	73	79	85

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(42-126)
570-30685-1	S-1	78
570-30685-2	S-2	57
570-30685-3	S-3	80
570-30685-4	S-4	79
LCS 570-74988/3	Lab Control Sample	87
LCSD 570-74988/4	Lab Control Sample Dup	88
MB 570-74988/6	Method Blank	85

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: Geosyntec Consultants, Inc.
Job ID: 570-30685-1
Project/Site: PNR0651FW2/267B

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (61-145)
570-30620-A-1-G MS	Matrix Spike	98
570-30620-A-1-H MSD	Matrix Spike Duplicate	98
570-30685-1	S-1	105
570-30685-2	S-2	95
570-30685-3	S-3	95
570-30685-4	S-4	95
LCS 570-74876/2-A	Lab Control Sample	96
LCSD 570-74876/3-A	Lab Control Sample Dup	98
MB 570-74876/1-A	Method Blank	103

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (25-126)	DCB1 (20-155)
570-30685-1	S-1	78	75
570-30685-2	S-2	80	80
570-30685-2 MS	S-2	73	75
570-30685-2 MSD	S-2	70	71
570-30685-3	S-3	83	81
570-30685-4	S-4	81	78
LCS 570-75005/2-A	Lab Control Sample	92	90
LCSD 570-75005/3-A	Lab Control Sample Dup	91	92
MB 570-75005/1-A	Method Blank	92	93

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-74963/7
Matrix: Solid
Analysis Batch: 74963

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.99		ug/Kg			06/12/20 10:28	1
1,1,1-Trichloroethane	ND		0.99		ug/Kg			06/12/20 10:28	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			06/12/20 10:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.9		ug/Kg			06/12/20 10:28	1
1,1,2-Trichloroethane	ND		0.99		ug/Kg			06/12/20 10:28	1
1,1-Dichloroethane	ND		0.99		ug/Kg			06/12/20 10:28	1
1,1-Dichloroethene	ND		0.99		ug/Kg			06/12/20 10:28	1
1,1-Dichloropropene	ND		2.0		ug/Kg			06/12/20 10:28	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			06/12/20 10:28	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			06/12/20 10:28	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			06/12/20 10:28	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			06/12/20 10:28	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg			06/12/20 10:28	1
1,2-Dibromoethane	ND		0.99		ug/Kg			06/12/20 10:28	1
1,2-Dichlorobenzene	ND		0.99		ug/Kg			06/12/20 10:28	1
1,2-Dichloroethane	ND		0.99		ug/Kg			06/12/20 10:28	1
1,2-Dichloropropane	ND		0.99		ug/Kg			06/12/20 10:28	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			06/12/20 10:28	1
1,3-Dichlorobenzene	ND		0.99		ug/Kg			06/12/20 10:28	1
1,3-Dichloropropane	ND		0.99		ug/Kg			06/12/20 10:28	1
1,4-Dichlorobenzene	ND		0.99		ug/Kg			06/12/20 10:28	1
2,2-Dichloropropane	ND		5.0		ug/Kg			06/12/20 10:28	1
2-Butanone	ND		20		ug/Kg			06/12/20 10:28	1
2-Chlorotoluene	ND		0.99		ug/Kg			06/12/20 10:28	1
2-Hexanone	ND		20		ug/Kg			06/12/20 10:28	1
4-Chlorotoluene	ND		0.99		ug/Kg			06/12/20 10:28	1
4-Methyl-2-pentanone	ND		20		ug/Kg			06/12/20 10:28	1
Acetone	ND		50		ug/Kg			06/12/20 10:28	1
Benzene	ND		0.99		ug/Kg			06/12/20 10:28	1
Bromobenzene	ND		0.99		ug/Kg			06/12/20 10:28	1
Bromochloromethane	ND		2.0		ug/Kg			06/12/20 10:28	1
Bromodichloromethane	ND		0.99		ug/Kg			06/12/20 10:28	1
Bromoform	ND		5.0		ug/Kg			06/12/20 10:28	1
Bromomethane	ND		20		ug/Kg			06/12/20 10:28	1
cis-1,2-Dichloroethene	ND		0.99		ug/Kg			06/12/20 10:28	1
cis-1,3-Dichloropropene	ND		0.99		ug/Kg			06/12/20 10:28	1
Carbon disulfide	ND		9.9		ug/Kg			06/12/20 10:28	1
Carbon tetrachloride	ND		0.99		ug/Kg			06/12/20 10:28	1
Chlorobenzene	ND		0.99		ug/Kg			06/12/20 10:28	1
Chloroethane	ND		2.0		ug/Kg			06/12/20 10:28	1
Chloroform	ND		0.99		ug/Kg			06/12/20 10:28	1
Chloromethane	ND		20		ug/Kg			06/12/20 10:28	1
Dibromochloromethane	ND		2.0		ug/Kg			06/12/20 10:28	1
Dibromomethane	ND		0.99		ug/Kg			06/12/20 10:28	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			06/12/20 10:28	1
Di-isopropyl ether (DIPE)	ND		0.99		ug/Kg			06/12/20 10:28	1
Ethanol	ND		500		ug/Kg			06/12/20 10:28	1
Ethylbenzene	ND		0.99		ug/Kg			06/12/20 10:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-74963/7
Matrix: Solid
Analysis Batch: 74963

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.99		ug/Kg			06/12/20 10:28	1
Isopropylbenzene	ND		0.99		ug/Kg			06/12/20 10:28	1
Methylene Chloride	ND		9.9		ug/Kg			06/12/20 10:28	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			06/12/20 10:28	1
Naphthalene	ND		9.9		ug/Kg			06/12/20 10:28	1
n-Butylbenzene	ND		0.99		ug/Kg			06/12/20 10:28	1
N-Propylbenzene	ND		2.0		ug/Kg			06/12/20 10:28	1
o-Xylene	ND		0.99		ug/Kg			06/12/20 10:28	1
m,p-Xylene	ND		2.0		ug/Kg			06/12/20 10:28	1
p-Isopropyltoluene	ND		0.99		ug/Kg			06/12/20 10:28	1
sec-Butylbenzene	ND		0.99		ug/Kg			06/12/20 10:28	1
Styrene	ND		0.99		ug/Kg			06/12/20 10:28	1
trans-1,2-Dichloroethene	ND		0.99		ug/Kg			06/12/20 10:28	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			06/12/20 10:28	1
Tert-amyl-methyl ether (TAME)	ND		0.99		ug/Kg			06/12/20 10:28	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg			06/12/20 10:28	1
tert-Butylbenzene	ND		0.99		ug/Kg			06/12/20 10:28	1
Tetrachloroethene	ND		0.99		ug/Kg			06/12/20 10:28	1
Toluene	ND		0.99		ug/Kg			06/12/20 10:28	1
Trichloroethene	ND		2.0		ug/Kg			06/12/20 10:28	1
Trichlorofluoromethane	ND		9.9		ug/Kg			06/12/20 10:28	1
Vinyl acetate	ND		9.9		ug/Kg			06/12/20 10:28	1
Vinyl chloride	ND		0.99		ug/Kg			06/12/20 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*		*06/12/20 10:28*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/12/20 10:28*	*1*
Dibromofluoromethane (Surr)	*102*		*79 - 133*		*06/12/20 10:28*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/12/20 10:28*	*1*

Lab Sample ID: LCS 570-74963/4
Matrix: Solid
Analysis Batch: 74963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	50.97		ug/Kg		102	73 - 133
1,1,1-Trichloroethane	50.0	45.87		ug/Kg		92	71 - 131
1,1,2,2-Tetrachloroethane	50.0	48.83		ug/Kg		98	77 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	38.03	* me	ug/Kg		76	77 - 125
1,1,2-Trichloroethane	50.0	46.93		ug/Kg		94	80 - 120
1,1-Dichloroethane	50.0	38.35		ug/Kg		77	74 - 120
1,1-Dichloroethene	50.0	42.40		ug/Kg		85	71 - 125
1,1-Dichloropropene	50.0	43.08		ug/Kg		86	69 - 120
1,2,3-Trichlorobenzene	50.0	50.05		ug/Kg		100	73 - 127
1,2,3-Trichloropropane	50.0	46.39		ug/Kg		93	60 - 120
1,2,4-Trichlorobenzene	50.0	49.87		ug/Kg		100	74 - 128
1,2,4-Trimethylbenzene	50.0	45.21		ug/Kg		90	75 - 123
1,2-Dibromo-3-Chloropropane	50.0	46.93		ug/Kg		94	54 - 132

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-74963/4
Matrix: Solid
Analysis Batch: 74963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	50.0	49.57		ug/Kg		99	80 - 120
1,2-Dichlorobenzene	50.0	47.50		ug/Kg		95	80 - 120
1,2-Dichloroethane	50.0	43.43		ug/Kg		87	79 - 121
1,2-Dichloropropane	50.0	46.29		ug/Kg		93	77 - 123
1,3,5-Trimethylbenzene	50.0	45.56		ug/Kg		91	80 - 123
1,3-Dichlorobenzene	50.0	46.26		ug/Kg		93	80 - 120
1,3-Dichloropropane	50.0	46.65		ug/Kg		93	80 - 120
1,4-Dichlorobenzene	50.0	44.69		ug/Kg		89	80 - 120
2,2-Dichloropropane	50.0	48.17		ug/Kg		96	58 - 142
2-Butanone	50.0	48.90		ug/Kg		98	56 - 176
2-Chlorotoluene	50.0	43.51		ug/Kg		87	56 - 176
2-Hexanone	50.0	49.08		ug/Kg		98	67 - 151
4-Chlorotoluene	50.0	45.23		ug/Kg		90	67 - 151
4-Methyl-2-pentanone	50.0	48.32		ug/Kg		97	72 - 126
Acetone	50.0	46.22	J	ug/Kg		92	30 - 150
Benzene	50.0	42.89		ug/Kg		86	79 - 120
Bromobenzene	50.0	46.88		ug/Kg		94	80 - 120
Bromochloromethane	50.0	46.15		ug/Kg		92	80 - 120
Bromodichloromethane	50.0	48.16		ug/Kg		96	73 - 127
Bromoform	50.0	55.15		ug/Kg		110	55 - 133
Bromomethane	50.0	39.85		ug/Kg		80	36 - 144
cis-1,2-Dichloroethene	50.0	45.64		ug/Kg		91	80 - 123
cis-1,3-Dichloropropene	50.0	49.33		ug/Kg		99	74 - 128
Carbon disulfide	50.0	41.09		ug/Kg		82	53 - 125
Carbon tetrachloride	50.0	46.59		ug/Kg		93	58 - 142
Chlorobenzene	50.0	43.98		ug/Kg		88	80 - 120
Chloroethane	50.0	45.51		ug/Kg		91	60 - 120
Chloroform	50.0	43.40		ug/Kg		87	80 - 120
Chloromethane	50.0	39.57		ug/Kg		79	50 - 122
Dibromochloromethane	50.0	50.52		ug/Kg		101	50 - 122
Dibromomethane	50.0	46.46		ug/Kg		93	70 - 130
Dichlorodifluoromethane	50.0	40.77		ug/Kg		82	32 - 158
Di-isopropyl ether (DIPE)	50.0	43.65		ug/Kg		87	65 - 131
Ethanol	500	448.4	J	ug/Kg		90	32 - 158
Ethylbenzene	50.0	44.00		ug/Kg		88	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	42.65		ug/Kg		85	58 - 136
Isopropylbenzene	50.0	45.34		ug/Kg		91	80 - 129
Methylene Chloride	50.0	44.57		ug/Kg		89	72 - 120
Methyl-t-Butyl Ether (MTBE)	50.0	41.90		ug/Kg		84	64 - 124
Naphthalene	50.0	49.99		ug/Kg		100	64 - 124
n-Butylbenzene	50.0	46.74		ug/Kg		93	78 - 126
N-Propylbenzene	50.0	44.67		ug/Kg		89	80 - 122
o-Xylene	50.0	44.55		ug/Kg		89	79 - 127
m,p-Xylene	100	87.64		ug/Kg		88	80 - 122
p-Isopropyltoluene	50.0	46.39		ug/Kg		93	80 - 122
sec-Butylbenzene	50.0	45.27		ug/Kg		91	79 - 127
Styrene	50.0	45.56		ug/Kg		91	80 - 123
trans-1,2-Dichloroethene	50.0	43.54		ug/Kg		87	80 - 120
trans-1,3-Dichloropropene	50.0	49.76		ug/Kg		100	66 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-74963/4
Matrix: Solid
Analysis Batch: 74963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tert-amyl-methyl ether (TAME)	50.0	49.23		ug/Kg		98	63 - 129
tert-Butyl alcohol (TBA)	250	238.7		ug/Kg		95	79 - 121
tert-Butylbenzene	50.0	44.29		ug/Kg		89	80 - 128
Tetrachloroethene	50.0	43.36		ug/Kg		87	75 - 123
Toluene	50.0	43.65		ug/Kg		87	80 - 120
Trichloroethene	50.0	43.82		ug/Kg		88	80 - 120
Trichlorofluoromethane	50.0	48.39		ug/Kg		97	70 - 136
Vinyl acetate	50.0	50.48		ug/Kg		101	51 - 159
Vinyl chloride	50.0	44.17		ug/Kg		88	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*71 - 155*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*79 - 133*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 570-74963/5
Matrix: Solid
Analysis Batch: 74963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	46.60		ug/Kg		93	73 - 133	9	20
1,1,1-Trichloroethane	50.0	42.92		ug/Kg		86	71 - 131	7	20
1,1,2,2-Tetrachloroethane	50.0	44.76		ug/Kg		90	77 - 120	9	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	35.47	* me	ug/Kg		71	77 - 125	7	20
1,1,2-Trichloroethane	50.0	44.90		ug/Kg		90	80 - 120	4	20
1,1-Dichloroethane	50.0	36.67	* me	ug/Kg		73	74 - 120	4	20
1,1-Dichloroethene	50.0	40.63		ug/Kg		81	71 - 125	4	20
1,1-Dichloropropene	50.0	41.12		ug/Kg		82	69 - 120	5	20
1,2,3-Trichlorobenzene	50.0	46.31		ug/Kg		93	73 - 127	8	20
1,2,3-Trichloropropane	50.0	46.03		ug/Kg		92	60 - 120	1	20
1,2,4-Trichlorobenzene	50.0	46.32		ug/Kg		93	74 - 128	7	20
1,2,4-Trimethylbenzene	50.0	42.04		ug/Kg		84	75 - 123	7	20
1,2-Dibromo-3-Chloropropane	50.0	47.75		ug/Kg		96	54 - 132	2	20
1,2-Dibromoethane	50.0	46.59		ug/Kg		93	80 - 120	6	20
1,2-Dichlorobenzene	50.0	44.37		ug/Kg		89	80 - 120	7	20
1,2-Dichloroethane	50.0	41.82		ug/Kg		84	79 - 121	4	20
1,2-Dichloropropane	50.0	44.27		ug/Kg		89	77 - 123	4	25
1,3,5-Trimethylbenzene	50.0	41.95		ug/Kg		84	80 - 123	8	20
1,3-Dichlorobenzene	50.0	42.74		ug/Kg		85	80 - 120	8	20
1,3-Dichloropropane	50.0	44.06		ug/Kg		88	80 - 120	6	20
1,4-Dichlorobenzene	50.0	42.02		ug/Kg		84	80 - 120	6	20
2,2-Dichloropropane	50.0	45.60		ug/Kg		91	58 - 142	5	20
2-Butanone	50.0	44.09		ug/Kg		88	56 - 176	10	20
2-Chlorotoluene	50.0	41.36		ug/Kg		83	56 - 176	5	20
2-Hexanone	50.0	45.60		ug/Kg		91	67 - 151	7	20
4-Chlorotoluene	50.0	42.12		ug/Kg		84	67 - 151	7	20
4-Methyl-2-pentanone	50.0	48.07		ug/Kg		96	72 - 126	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-74963/5
Matrix: Solid
Analysis Batch: 74963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	50.0	46.77	J	ug/Kg		94	30 - 150	1	20
Benzene	50.0	41.32		ug/Kg		83	79 - 120	4	20
Bromobenzene	50.0	43.34		ug/Kg		87	80 - 120	8	20
Bromochloromethane	50.0	44.94		ug/Kg		90	80 - 120	3	20
Bromodichloromethane	50.0	47.38		ug/Kg		95	73 - 127	2	20
Bromoform	50.0	51.03		ug/Kg		102	55 - 133	8	20
Bromomethane	50.0	36.85		ug/Kg		74	36 - 144	8	20
cis-1,2-Dichloroethene	50.0	43.86		ug/Kg		88	80 - 123	4	20
cis-1,3-Dichloropropene	50.0	47.43		ug/Kg		95	74 - 128	4	20
Carbon disulfide	50.0	39.27		ug/Kg		79	53 - 125	5	20
Carbon tetrachloride	50.0	44.15		ug/Kg		88	58 - 142	5	20
Chlorobenzene	50.0	41.82		ug/Kg		84	80 - 120	5	20
Chloroethane	50.0	44.30		ug/Kg		89	60 - 120	3	20
Chloroform	50.0	41.38		ug/Kg		83	80 - 120	5	20
Chloromethane	50.0	37.41		ug/Kg		75	50 - 122	6	20
Dibromochloromethane	50.0	48.29		ug/Kg		97	50 - 122	5	20
Dibromomethane	50.0	45.69		ug/Kg		91	70 - 130	2	20
Dichlorodifluoromethane	50.0	39.05		ug/Kg		78	32 - 158	4	20
Di-isopropyl ether (DIPE)	50.0	41.85		ug/Kg		84	65 - 131	4	20
Ethanol	500	406.6	J	ug/Kg		81	32 - 158	10	27
Ethylbenzene	50.0	40.93		ug/Kg		82	57 - 153	7	20
Ethyl-t-butyl ether (ETBE)	50.0	41.22		ug/Kg		82	58 - 136	3	20
Isopropylbenzene	50.0	41.65		ug/Kg		83	80 - 129	8	20
Methylene Chloride	50.0	43.29		ug/Kg		87	72 - 120	3	20
Methyl-t-Butyl Ether (MTBE)	50.0	40.52		ug/Kg		81	64 - 124	3	20
Naphthalene	50.0	46.99		ug/Kg		94	64 - 124	6	20
n-Butylbenzene	50.0	42.40		ug/Kg		85	78 - 126	10	25
N-Propylbenzene	50.0	41.59		ug/Kg		83	80 - 122	7	20
o-Xylene	50.0	41.88		ug/Kg		84	79 - 127	6	20
m,p-Xylene	100	82.34		ug/Kg		82	80 - 122	6	20
p-Isopropyltoluene	50.0	41.60		ug/Kg		83	80 - 122	11	20
sec-Butylbenzene	50.0	41.85		ug/Kg		84	79 - 127	8	20
Styrene	50.0	43.07		ug/Kg		86	80 - 123	6	20
trans-1,2-Dichloroethene	50.0	40.39		ug/Kg		81	80 - 120	8	20
trans-1,3-Dichloropropene	50.0	47.70		ug/Kg		95	66 - 120	4	20
Tert-amyl-methyl ether (TAME)	50.0	47.05		ug/Kg		94	63 - 129	5	20
tert-Butyl alcohol (TBA)	250	231.6		ug/Kg		93	79 - 121	3	20
tert-Butylbenzene	50.0	41.62		ug/Kg		83	80 - 128	6	20
Tetrachloroethene	50.0	40.93		ug/Kg		82	75 - 123	6	20
Toluene	50.0	41.65		ug/Kg		83	80 - 120	5	20
Trichloroethene	50.0	42.02		ug/Kg		84	80 - 120	4	20
Trichlorofluoromethane	50.0	46.38		ug/Kg		93	70 - 136	4	20
Vinyl acetate	50.0	47.98		ug/Kg		96	51 - 159	5	20
Vinyl chloride	50.0	41.51		ug/Kg		83	68 - 120	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*71 - 155*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-74963/5
Matrix: Solid
Analysis Batch: 74963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	*102*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8270C SIM - PAHs (GC/MS SIM)

Lab Sample ID: LCS 570-75006/2-A
Matrix: Solid
Analysis Batch: 75430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75006

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	0.200	0.1871		mg/Kg		94	54 - 132
2-Methylnaphthalene	0.200	0.1862		mg/Kg		93	50 - 127
Acenaphthene	0.200	0.1794		mg/Kg		90	53 - 125
Acenaphthylene	0.200	0.1977		mg/Kg		99	50 - 123
Anthracene	0.200	0.1924		mg/Kg		96	50 - 132
Benzo[g,h,i]perylene	0.200	0.2020		mg/Kg		101	50 - 130
Benzo[k]fluoranthene	0.200	0.1750		mg/Kg		88	49 - 150
Benzo[a]anthracene	0.200	0.1814		mg/Kg		91	50 - 133
Benzo[a]pyrene	0.200	0.1659		mg/Kg		83	50 - 134
Benzo[b]fluoranthene	0.200	0.1922		mg/Kg		96	50 - 142
Chrysene	0.200	0.1727		mg/Kg		86	51 - 129
Dibenz(a,h)anthracene	0.200	0.2062		mg/Kg		103	50 - 133
Fluoranthene	0.200	0.1896		mg/Kg		95	55 - 127
Fluorene	0.200	0.1762		mg/Kg		88	55 - 127
Indeno[1,2,3-cd]pyrene	0.200	0.1992		mg/Kg		100	50 - 148
Naphthalene	0.200	0.1734		mg/Kg		87	51 - 129
Phenanthrene	0.200	0.1916		mg/Kg		96	50 - 122
Pyrene	0.200	0.1827		mg/Kg		91	50 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	*72*		*22 - 130*
Nitrobenzene-d5 (Surr)	*79*		*20 - 145*
p-Terphenyl-d14 (Surr)	*84*		*33 - 147*

Lab Sample ID: LCSD 570-75006/3-A
Matrix: Solid
Analysis Batch: 75430

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1-Methylnaphthalene	0.200	0.1931		mg/Kg		97	54 - 132	3	20
2-Methylnaphthalene	0.200	0.1923		mg/Kg		96	50 - 127	3	20
Acenaphthene	0.200	0.1828		mg/Kg		91	53 - 125	2	20
Acenaphthylene	0.200	0.1999		mg/Kg		100	50 - 123	1	20
Anthracene	0.200	0.1972		mg/Kg		99	50 - 132	2	20
Benzo[g,h,i]perylene	0.200	0.2089		mg/Kg		104	50 - 130	3	20
Benzo[k]fluoranthene	0.200	0.1759		mg/Kg		88	49 - 150	1	20
Benzo[a]anthracene	0.200	0.1836		mg/Kg		92	50 - 133	1	20
Benzo[a]pyrene	0.200	0.1691		mg/Kg		85	50 - 134	2	20

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 570-75006/3-A
Matrix: Solid
Analysis Batch: 75430

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75006

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[b]fluoranthene			0.200	0.2020		mg/Kg		101	50 - 142	5	20
Chrysene			0.200	0.1756		mg/Kg		88	51 - 129	2	20
Dibenz(a,h)anthracene			0.200	0.2114		mg/Kg		106	50 - 133	2	20
Fluoranthene			0.200	0.1927		mg/Kg		96	55 - 127	2	20
Fluorene			0.200	0.1784		mg/Kg		89	55 - 127	1	20
Indeno[1,2,3-cd]pyrene			0.200	0.2056		mg/Kg		103	50 - 148	3	20
Naphthalene			0.200	0.1801		mg/Kg		90	51 - 129	4	20
Phenanthrene			0.200	0.1913		mg/Kg		96	50 - 122	0	20
Pyrene			0.200	0.1879		mg/Kg		94	50 - 134	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*73*		*22 - 130*
Nitrobenzene-d5 (Surr)	*79*		*20 - 145*
p-Terphenyl-d14 (Surr)	*85*		*33 - 147*

Lab Sample ID: 570-30685-1 MS
Matrix: Solid
Analysis Batch: 75430

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 75006

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	ND		0.200	0.1923		mg/Kg		95	34 - 136
2-Methylnaphthalene	ND		0.200	0.1931		mg/Kg		95	29 - 137
Acenaphthene	ND		0.200	0.1861		mg/Kg		92	29 - 137
Acenaphthylene	ND		0.200	0.2013		mg/Kg		101	29 - 131
Anthracene	ND		0.200	0.1972		mg/Kg		99	26 - 134
Benzo[g,h,i]perylene	ND		0.200	0.2057		mg/Kg		100	20 - 148
Benzo[k]fluoranthene	ND		0.200	0.1788		mg/Kg		89	28 - 148
Benzo[a]anthracene	ND		0.200	0.1880		mg/Kg		94	24 - 150
Benzo[a]pyrene	ND		0.200	0.1706		mg/Kg		85	29 - 149
Benzo[b]fluoranthene	ND		0.200	0.2048		mg/Kg		99	21 - 153
Chrysene	ND		0.200	0.1781		mg/Kg		89	25 - 145
Dibenz(a,h)anthracene	ND		0.200	0.2107		mg/Kg		105	20 - 132
Fluoranthene	ND		0.200	0.1963		mg/Kg		95	20 - 151
Fluorene	ND		0.200	0.1754		mg/Kg		88	36 - 132
Indeno[1,2,3-cd]pyrene	ND		0.200	0.2048		mg/Kg		101	20 - 154
Naphthalene	0.053		0.200	0.1806		mg/Kg		64	20 - 150
Phenanthrene	ND		0.200	0.1932		mg/Kg		94	20 - 144
Pyrene	ND		0.200	0.1880		mg/Kg		91	20 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*74*		*22 - 130*
Nitrobenzene-d5 (Surr)	*80*		*20 - 145*
p-Terphenyl-d14 (Surr)	*88*		*33 - 147*

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: 570-30685-1 MSD
Matrix: Solid
Analysis Batch: 75430

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 75006

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1-Methylnaphthalene	ND		0.200	0.1738		mg/Kg		86	34 - 136	10	29
2-Methylnaphthalene	ND		0.200	0.1740		mg/Kg		85	29 - 137	10	31
Acenaphthene	ND		0.200	0.1651		mg/Kg		81	29 - 137	12	28
Acenaphthylene	ND		0.200	0.1786		mg/Kg		89	29 - 131	12	32
Anthracene	ND		0.200	0.1732		mg/Kg		86	26 - 134	13	27
Benzo[g,h,i]perylene	ND		0.200	0.1951		mg/Kg		95	20 - 148	5	27
Benzo[k]fluoranthene	ND		0.200	0.1657		mg/Kg		83	28 - 148	8	26
Benzo[a]anthracene	ND		0.200	0.1690		mg/Kg		84	24 - 150	11	24
Benzo[a]pyrene	ND		0.200	0.1555		mg/Kg		78	29 - 149	9	22
Benzo[b]fluoranthene	ND		0.200	0.1914		mg/Kg		92	21 - 153	7	26
Chrysene	ND		0.200	0.1630		mg/Kg		81	25 - 145	9	28
Dibenz(a,h)anthracene	ND		0.200	0.1978		mg/Kg		99	20 - 132	6	26
Fluoranthene	ND		0.200	0.1698		mg/Kg		81	20 - 151	15	26
Fluorene	ND		0.200	0.1578		mg/Kg		79	36 - 132	11	27
Indeno[1,2,3-cd]pyrene	ND		0.200	0.1918		mg/Kg		94	20 - 154	7	25
Naphthalene	0.053		0.200	0.1670		mg/Kg		57	20 - 150	8	33
Phenanthrene	ND		0.200	0.1798		mg/Kg		87	20 - 144	7	27
Pyrene	ND		0.200	0.1715		mg/Kg		82	20 - 150	9	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*65*		*22 - 130*
Nitrobenzene-d5 (Surr)	*71*		*20 - 145*
p-Terphenyl-d14 (Surr)	*77*		*33 - 147*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-74988/6
Matrix: Solid
Analysis Batch: 74988

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.099		mg/Kg			06/12/20 10:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*42 - 126*		*06/12/20 10:58*	*1*

Lab Sample ID: LCS 570-74988/3
Matrix: Solid
Analysis Batch: 74988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)			2.01	1.644		mg/Kg		82	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*42 - 126*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 570-74988/4
Matrix: Solid
Analysis Batch: 74988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			1.97	1.595		mg/Kg		81	70 - 124	3	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*42 - 126*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-74876/1-A
Matrix: Solid
Analysis Batch: 74716

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74876

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C7 as C7	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C8 as C8	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C9-C10	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C11-C12	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C13-C14	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C15-C16	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C17-C18	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C19-C20	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C21-C22	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C23-C24	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C25-C28	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C29-C32	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C33-C36	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C37-C40	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C41-C44	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
C6-C44	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		06/11/20 17:48	06/12/20 04:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*103*		*61 - 145*	*06/11/20 17:48*	*06/12/20 04:37*	*1*

Lab Sample ID: LCS 570-74876/2-A
Matrix: Solid
Analysis Batch: 74716

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74876

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	442.5		mg/Kg		111	67 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*96*		*61 - 145*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 570-74876/3-A
Matrix: Solid
Analysis Batch: 74716

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 74876

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	443.8		mg/Kg		111	67 - 121	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*98*		*61 - 145*

Lab Sample ID: 570-30620-A-1-G MS
Matrix: Solid
Analysis Batch: 74716

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 74876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	ND		397	446.4		mg/Kg		112	33 - 153		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*98*		*61 - 145*

Lab Sample ID: 570-30620-A-1-H MSD
Matrix: Solid
Analysis Batch: 74716

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 74876

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		396	447.1		mg/Kg		113	33 - 153	0	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*98*		*61 - 145*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-75005/1-A
Matrix: Solid
Analysis Batch: 74992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75005

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		06/12/20 09:18	06/12/20 23:12	1
Aroclor-1221	ND		50		ug/Kg		06/12/20 09:18	06/12/20 23:12	1
Aroclor-1232	ND		50		ug/Kg		06/12/20 09:18	06/12/20 23:12	1
Aroclor-1242	ND		50		ug/Kg		06/12/20 09:18	06/12/20 23:12	1
Aroclor-1248	ND		50		ug/Kg		06/12/20 09:18	06/12/20 23:12	1
Aroclor-1254	ND		50		ug/Kg		06/12/20 09:18	06/12/20 23:12	1
Aroclor-1260	ND		50		ug/Kg		06/12/20 09:18	06/12/20 23:12	1
Aroclor-1262	ND		50		ug/Kg		06/12/20 09:18	06/12/20 23:12	1
Aroclor-1268	ND		50		ug/Kg		06/12/20 09:18	06/12/20 23:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*92*		*25 - 126*	*06/12/20 09:18*	*06/12/20 23:12*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*20 - 155*	*06/12/20 09:18*	*06/12/20 23:12*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 570-75005/2-A
Matrix: Solid
Analysis Batch: 74992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75005

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			100	98.83		ug/Kg		99	50 - 142		
Aroclor-1260			100	105.6		ug/Kg		106	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*92*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*90*		*20 - 155*

Lab Sample ID: LCSD 570-75005/3-A
Matrix: Solid
Analysis Batch: 74992

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75005

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	99.13		ug/Kg		99	50 - 142	0	30
Aroclor-1260			100	103.7		ug/Kg		104	50 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*91*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*92*		*20 - 155*

Lab Sample ID: 570-30685-2 MS
Matrix: Solid
Analysis Batch: 74992

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 75005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	ND		99.6	83.11		ug/Kg		83	20 - 175		
Aroclor-1260	ND		99.6	105.6		ug/Kg		106	20 - 180		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*73*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*75*		*20 - 155*

Lab Sample ID: 570-30685-2 MSD
Matrix: Solid
Analysis Batch: 74992

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 75005

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.8	81.02		ug/Kg		81	20 - 175	3	40
Aroclor-1260	ND		99.8	104.2		ug/Kg		104	20 - 180	1	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*70*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*71*		*20 - 155*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-75110/1-A
Matrix: Solid
Analysis Batch: 75210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75110

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.739		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Arsenic	ND		0.739		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Barium	ND		0.493		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Beryllium	ND		0.246		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Cadmium	ND		0.493		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Chromium	ND		0.246		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Cobalt	ND		0.246		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Copper	ND		0.493		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Lead	ND		0.493		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Molybdenum	ND		0.246		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Nickel	ND		0.246		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Selenium	ND		0.739		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Silver	ND		0.246		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Thallium	ND		0.739		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Vanadium	ND		0.246		mg/Kg		06/12/20 14:30	06/12/20 21:21	1
Zinc	ND		0.985		mg/Kg		06/12/20 14:30	06/12/20 21:21	1

Lab Sample ID: LCS 570-75110/2-A
Matrix: Solid
Analysis Batch: 75210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75110

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Antimony			24.9	23.32		mg/Kg		94	80 - 120		
Arsenic			24.9	22.07		mg/Kg		89	80 - 120		
Barium			24.9	25.00		mg/Kg		101	80 - 120		
Beryllium			24.9	22.93		mg/Kg		92	80 - 120		
Cadmium			24.9	23.37		mg/Kg		94	80 - 120		
Chromium			24.9	23.79		mg/Kg		96	80 - 120		
Cobalt			24.9	24.23		mg/Kg		97	80 - 120		
Copper			24.9	25.14		mg/Kg		101	80 - 120		
Lead			24.9	24.38		mg/Kg		98	80 - 120		
Molybdenum			24.9	23.25		mg/Kg		93	80 - 120		
Nickel			24.9	24.76		mg/Kg		100	80 - 120		
Selenium			24.9	23.80		mg/Kg		96	80 - 120		
Silver			12.4	12.29		mg/Kg		99	80 - 120		
Thallium			24.9	24.61		mg/Kg		99	80 - 120		
Vanadium			24.9	23.56		mg/Kg		95	80 - 120		
Zinc			24.9	24.05		mg/Kg		97	80 - 120		

Lab Sample ID: LCSD 570-75110/3-A
Matrix: Solid
Analysis Batch: 75210

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75110

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony			24.4	22.81		mg/Kg		94	80 - 120	2	20
Arsenic			24.4	22.82		mg/Kg		94	80 - 120	3	20
Barium			24.4	24.64		mg/Kg		101	80 - 120	1	20
Beryllium			24.4	22.51		mg/Kg		92	80 - 120	2	20
Cadmium			24.4	23.25		mg/Kg		95	80 - 120	1	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-75110/3-A
Matrix: Solid
Analysis Batch: 75210

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75110

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium			24.4	23.35		mg/Kg		96	80 - 120	2	20
Cobalt			24.4	24.09		mg/Kg		99	80 - 120	1	20
Copper			24.4	24.64		mg/Kg		101	80 - 120	2	20
Lead			24.4	24.25		mg/Kg		99	80 - 120	1	20
Molybdenum			24.4	23.33		mg/Kg		96	80 - 120	0	20
Nickel			24.4	24.56		mg/Kg		101	80 - 120	1	20
Selenium			24.4	22.48		mg/Kg		92	80 - 120	6	20
Silver			12.2	12.07		mg/Kg		99	80 - 120	2	20
Thallium			24.4	24.73		mg/Kg		101	80 - 120	0	20
Vanadium			24.4	22.96		mg/Kg		94	80 - 120	3	20
Zinc			24.4	23.94		mg/Kg		98	80 - 120	0	20

Lab Sample ID: 570-30685-1 MS
Matrix: Solid
Analysis Batch: 75210

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 75110

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		24.0	5.122	F1	mg/Kg		20	50 - 115
Arsenic	12.9		24.0	32.62		mg/Kg		82	75 - 125
Barium	115		24.0	131.2	4	mg/Kg		67	75 - 125
Beryllium	0.601		24.0	23.06		mg/Kg		93	75 - 125
Cadmium	ND		24.0	21.38		mg/Kg		88	75 - 125
Chromium	13.5		24.0	34.91		mg/Kg		89	75 - 125
Cobalt	9.92		24.0	30.46		mg/Kg		85	75 - 125
Copper	22.5		24.0	45.21		mg/Kg		94	75 - 125
Lead	5.28		24.0	26.81		mg/Kg		90	75 - 125
Molybdenum	ND	L	24.0	20.08		mg/Kg		84	75 - 125
Nickel	12.7		24.0	33.19		mg/Kg		85	75 - 125
Selenium	ND	L	24.0	19.41		mg/Kg		81	75 - 125
Silver	ND		12.0	11.38		mg/Kg		95	75 - 125
Thallium	0.978		24.0	22.96		mg/Kg		91	75 - 125
Vanadium	35.4		24.0	55.94		mg/Kg		86	75 - 125
Zinc	45.3		24.0	63.22		mg/Kg		75	75 - 125

Lab Sample ID: 570-30685-1 MSD
Matrix: Solid
Analysis Batch: 75210

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 75110

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		24.9	5.201	F1	mg/Kg		19	50 - 115	2	20
Arsenic	12.9		24.9	32.87		mg/Kg		80	75 - 125	1	20
Barium	115		24.9	134.4	4	mg/Kg		78	75 - 125	2	20
Beryllium	0.601		24.9	24.22		mg/Kg		95	75 - 125	5	20
Cadmium	ND		24.9	22.49		mg/Kg		90	75 - 125	5	20
Chromium	13.5		24.9	36.11		mg/Kg		91	75 - 125	3	20
Cobalt	9.92		24.9	31.67		mg/Kg		87	75 - 125	4	20
Copper	22.5		24.9	47.05		mg/Kg		99	75 - 125	4	20
Lead	5.28		24.9	28.34		mg/Kg		93	75 - 125	6	20
Molybdenum	ND	L	24.9	21.54		mg/Kg		87	75 - 125	7	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-30685-1 MSD — **Client Sample ID: S-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75210 — **Prep Batch: 75110**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nickel	12.7		24.9	34.70		mg/Kg		88	75 - 125	4	20
Selenium	ND	L	24.9	20.03		mg/Kg		81	75 - 125	3	20
Silver	ND		12.4	12.03		mg/Kg		97	75 - 125	6	20
Thallium	0.978		24.9	22.86		mg/Kg		88	75 - 125	0	20
Vanadium	35.4		24.9	57.03		mg/Kg		87	75 - 125	2	20
Zinc	45.3		24.9	65.52		mg/Kg		81	75 - 125	4	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-75114/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75463 — **Prep Batch: 75114**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		06/12/20 14:30	06/15/20 12:57	1

Lab Sample ID: LCS 570-75114/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75463 — **Prep Batch: 75114**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.820	0.8060		mg/Kg		98	85 - 121		

Lab Sample ID: LCSD 570-75114/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75463 — **Prep Batch: 75114**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.820	0.7908		mg/Kg		96	85 - 121	2	10

Lab Sample ID: 570-30685-1 MS — **Client Sample ID: S-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75463 — **Prep Batch: 75114**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.133		0.820	0.9052		mg/Kg		94	71 - 137		

Lab Sample ID: 570-30685-1 MSD — **Client Sample ID: S-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75463 — **Prep Batch: 75114**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.133		0.847	0.9280		mg/Kg		94	71 - 137	2	14

Marginal Exceedance (ME) Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 570-74963/4
Matrix: Solid

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
1,1,1,2-Tetrachloroethane	50.0	50.97		ug/Kg	102	73 - 133	63 - 143	
1,1,1-Trichloroethane	50.0	45.87		ug/Kg	92	71 - 131	61 - 141	
1,1,2,2-Tetrachloroethane	50.0	48.83		ug/Kg	98	77 - 120	70 - 127	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	38.03	* me	ug/Kg	76	77 - 125	69 - 133	ME
1,1,2-Trichloroethane	50.0	46.93		ug/Kg	94	80 - 120	73 - 127	
1,1-Dichloroethane	50.0	38.35		ug/Kg	77	74 - 120	66 - 128	
1,1-Dichloroethene	50.0	42.40		ug/Kg	85	71 - 125	62 - 134	
1,1-Dichloropropene	50.0	43.08		ug/Kg	86	69 - 120	61 - 129	
1,2,3-Trichlorobenzene	50.0	50.05		ug/Kg	100	73 - 127	64 - 136	
1,2,3-Trichloropropane	50.0	46.39		ug/Kg	93	60 - 120	50 - 130	
1,2,4-Trichlorobenzene	50.0	49.87		ug/Kg	100	74 - 128	65 - 137	
1,2,4-Trimethylbenzene	50.0	45.21		ug/Kg	90	75 - 123	67 - 131	
1,2-Dibromo-3-Chloropropane	50.0	46.93		ug/Kg	94	54 - 132	41 - 145	
1,2-Dibromoethane	50.0	49.57		ug/Kg	99	80 - 120	73 - 127	
1,2-Dichlorobenzene	50.0	47.50		ug/Kg	95	80 - 120	73 - 127	
1,2-Dichloroethane	50.0	43.43		ug/Kg	87	79 - 121	72 - 128	
1,2-Dichloropropane	50.0	46.29		ug/Kg	93	77 - 123	69 - 131	
1,3,5-Trimethylbenzene	50.0	45.56		ug/Kg	91	80 - 123	73 - 130	
1,3-Dichlorobenzene	50.0	46.26		ug/Kg	93	80 - 120	73 - 127	
1,3-Dichloropropane	50.0	46.65		ug/Kg	93	80 - 120	73 - 127	
1,4-Dichlorobenzene	50.0	44.69		ug/Kg	89	80 - 120	73 - 127	
2,2-Dichloropropane	50.0	48.17		ug/Kg	96	58 - 142	44 - 156	
2-Butanone	50.0	48.90		ug/Kg	98	56 - 176	36 - 196	
2-Chlorotoluene	50.0	43.51		ug/Kg	87	56 - 176	36 - 196	
2-Hexanone	50.0	49.08		ug/Kg	98	67 - 151	53 - 165	
4-Chlorotoluene	50.0	45.23		ug/Kg	90	67 - 151	53 - 165	
4-Methyl-2-pentanone	50.0	48.32		ug/Kg	97	72 - 126	63 - 135	
Acetone	50.0	46.22	J	ug/Kg	92	30 - 150	10 - 170	
Benzene	50.0	42.89		ug/Kg	86	79 - 120	72 - 127	
Bromobenzene	50.0	46.88		ug/Kg	94	80 - 120	73 - 127	
Bromochloromethane	50.0	46.15		ug/Kg	92	80 - 120	73 - 127	
Bromodichloromethane	50.0	48.16		ug/Kg	96	73 - 127	64 - 136	
Bromoform	50.0	55.15		ug/Kg	110	55 - 133	42 - 146	
Bromomethane	50.0	39.85		ug/Kg	80	36 - 144	18 - 162	
cis-1,2-Dichloroethene	50.0	45.64		ug/Kg	91	80 - 123	73 - 130	
cis-1,3-Dichloropropene	50.0	49.33		ug/Kg	99	74 - 128	65 - 137	
Carbon disulfide	50.0	41.09		ug/Kg	82	53 - 125	41 - 137	
Carbon tetrachloride	50.0	46.59		ug/Kg	93	58 - 142	44 - 156	
Chlorobenzene	50.0	43.98		ug/Kg	88	80 - 120	73 - 127	
Chloroethane	50.0	45.51		ug/Kg	91	60 - 120	50 - 130	
Chloroform	50.0	43.40		ug/Kg	87	80 - 120	73 - 127	
Chloromethane	50.0	39.57		ug/Kg	79	50 - 122	38 - 134	
Dibromochloromethane	50.0	50.52		ug/Kg	101	50 - 122	38 - 134	
Dibromomethane	50.0	46.46		ug/Kg	93	70 - 130	60 - 140	
Dichlorodifluoromethane	50.0	40.77		ug/Kg	82	32 - 158	11 - 179	
Di-isopropyl ether (DIPE)	50.0	43.65		ug/Kg	87	65 - 131	54 - 142	
Ethanol	500	448.4	J	ug/Kg	90	32 - 158	11 - 179	
Ethylbenzene	50.0	44.00		ug/Kg	88	57 - 153	41 - 169	
Ethyl-t-butyl ether (ETBE)	50.0	42.65		ug/Kg	85	58 - 136	45 - 149	

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-74963/4
Matrix: Solid

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
Isopropylbenzene	50.0	45.34		ug/Kg	91	80 - 129	72 - 137	
Methylene Chloride	50.0	44.57		ug/Kg	89	72 - 120	64 - 128	
Methyl-t-Butyl Ether (MTBE)	50.0	41.90		ug/Kg	84	64 - 124	54 - 134	
Naphthalene	50.0	49.99		ug/Kg	100	64 - 124	54 - 134	
n-Butylbenzene	50.0	46.74		ug/Kg	93	78 - 126	70 - 134	
N-Propylbenzene	50.0	44.67		ug/Kg	89	80 - 122	73 - 129	
o-Xylene	50.0	44.55		ug/Kg	89	79 - 127	71 - 135	
m,p-Xylene	100	87.64		ug/Kg	88	80 - 122	73 - 129	
p-Isopropyltoluene	50.0	46.39		ug/Kg	93	80 - 122	73 - 129	
sec-Butylbenzene	50.0	45.27		ug/Kg	91	79 - 127	71 - 135	
Styrene	50.0	45.56		ug/Kg	91	80 - 123	73 - 130	
trans-1,2-Dichloroethene	50.0	43.54		ug/Kg	87	80 - 120	73 - 127	
trans-1,3-Dichloropropene	50.0	49.76		ug/Kg	100	66 - 120	57 - 129	
Tert-amyl-methyl ether (TAME)	50.0	49.23		ug/Kg	98	63 - 129	52 - 140	
tert-Butyl alcohol (TBA)	250	238.7		ug/Kg	95	79 - 121	72 - 128	
tert-Butylbenzene	50.0	44.29		ug/Kg	89	80 - 128	72 - 136	
Tetrachloroethene	50.0	43.36		ug/Kg	87	75 - 123	67 - 131	
Toluene	50.0	43.65		ug/Kg	87	80 - 120	73 - 127	
Trichloroethene	50.0	43.82		ug/Kg	88	80 - 120	73 - 127	
Trichlorofluoromethane	50.0	48.39		ug/Kg	97	70 - 136	59 - 147	
Vinyl acetate	50.0	50.48		ug/Kg	101	51 - 159	N/A	
Vinyl chloride	50.0	44.17		ug/Kg	88	68 - 120	59 - 129	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
71	4	1

ME = Marginal Exceedance

Lab Sample ID: LCSD 570-74963/5
Matrix: Solid

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
1,1,1,2-Tetrachloroethane	50.0	46.60		ug/Kg	93	73 - 133	63 - 143	
1,1,1-Trichloroethane	50.0	42.92		ug/Kg	86	71 - 131	61 - 141	
1,1,2,2-Tetrachloroethane	50.0	44.76		ug/Kg	90	77 - 120	70 - 127	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	35.47	* me	ug/Kg	71	77 - 125	69 - 133	ME
1,1,2-Trichloroethane	50.0	44.90		ug/Kg	90	80 - 120	73 - 127	
1,1-Dichloroethane	50.0	36.67	* me	ug/Kg	73	74 - 120	66 - 128	ME
1,1-Dichloroethene	50.0	40.63		ug/Kg	81	71 - 125	62 - 134	
1,1-Dichloropropene	50.0	41.12		ug/Kg	82	69 - 120	61 - 129	
1,2,3-Trichlorobenzene	50.0	46.31		ug/Kg	93	73 - 127	64 - 136	
1,2,3-Trichloropropane	50.0	46.03		ug/Kg	92	60 - 120	50 - 130	
1,2,4-Trichlorobenzene	50.0	46.32		ug/Kg	93	74 - 128	65 - 137	
1,2,4-Trimethylbenzene	50.0	42.04		ug/Kg	84	75 - 123	67 - 131	
1,2-Dibromo-3-Chloropropane	50.0	47.75		ug/Kg	96	54 - 132	41 - 145	
1,2-Dibromoethane	50.0	46.59		ug/Kg	93	80 - 120	73 - 127	
1,2-Dichlorobenzene	50.0	44.37		ug/Kg	89	80 - 120	73 - 127	
1,2-Dichloroethane	50.0	41.82		ug/Kg	84	79 - 121	72 - 128	

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-74963/5
Matrix: Solid

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
1,2-Dichloropropane	50.0	44.27		ug/Kg	89	77 - 123	69 - 131	
1,3,5-Trimethylbenzene	50.0	41.95		ug/Kg	84	80 - 123	73 - 130	
1,3-Dichlorobenzene	50.0	42.74		ug/Kg	85	80 - 120	73 - 127	
1,3-Dichloropropane	50.0	44.06		ug/Kg	88	80 - 120	73 - 127	
1,4-Dichlorobenzene	50.0	42.02		ug/Kg	84	80 - 120	73 - 127	
2,2-Dichloropropane	50.0	45.60		ug/Kg	91	58 - 142	44 - 156	
2-Butanone	50.0	44.09		ug/Kg	88	56 - 176	36 - 196	
2-Chlorotoluene	50.0	41.36		ug/Kg	83	56 - 176	36 - 196	
2-Hexanone	50.0	45.60		ug/Kg	91	67 - 151	53 - 165	
4-Chlorotoluene	50.0	42.12		ug/Kg	84	67 - 151	53 - 165	
4-Methyl-2-pentanone	50.0	48.07		ug/Kg	96	72 - 126	63 - 135	
Acetone	50.0	46.77	J	ug/Kg	94	30 - 150	10 - 170	
Benzene	50.0	41.32		ug/Kg	83	79 - 120	72 - 127	
Bromobenzene	50.0	43.34		ug/Kg	87	80 - 120	73 - 127	
Bromochloromethane	50.0	44.94		ug/Kg	90	80 - 120	73 - 127	
Bromodichloromethane	50.0	47.38		ug/Kg	95	73 - 127	64 - 136	
Bromoform	50.0	51.03		ug/Kg	102	55 - 133	42 - 146	
Bromomethane	50.0	36.85		ug/Kg	74	36 - 144	18 - 162	
cis-1,2-Dichloroethene	50.0	43.86		ug/Kg	88	80 - 123	73 - 130	
cis-1,3-Dichloropropene	50.0	47.43		ug/Kg	95	74 - 128	65 - 137	
Carbon disulfide	50.0	39.27		ug/Kg	79	53 - 125	41 - 137	
Carbon tetrachloride	50.0	44.15		ug/Kg	88	58 - 142	44 - 156	
Chlorobenzene	50.0	41.82		ug/Kg	84	80 - 120	73 - 127	
Chloroethane	50.0	44.30		ug/Kg	89	60 - 120	50 - 130	
Chloroform	50.0	41.38		ug/Kg	83	80 - 120	73 - 127	
Chloromethane	50.0	37.41		ug/Kg	75	50 - 122	38 - 134	
Dibromochloromethane	50.0	48.29		ug/Kg	97	50 - 122	38 - 134	
Dibromomethane	50.0	45.69		ug/Kg	91	70 - 130	60 - 140	
Dichlorodifluoromethane	50.0	39.05		ug/Kg	78	32 - 158	11 - 179	
Di-isopropyl ether (DIPE)	50.0	41.85		ug/Kg	84	65 - 131	54 - 142	
Ethanol	500	406.6	J	ug/Kg	81	32 - 158	11 - 179	
Ethylbenzene	50.0	40.93		ug/Kg	82	57 - 153	41 - 169	
Ethyl-t-butyl ether (ETBE)	50.0	41.22		ug/Kg	82	58 - 136	45 - 149	
Isopropylbenzene	50.0	41.65		ug/Kg	83	80 - 129	72 - 137	
Methylene Chloride	50.0	43.29		ug/Kg	87	72 - 120	64 - 128	
Methyl-t-Butyl Ether (MTBE)	50.0	40.52		ug/Kg	81	64 - 124	54 - 134	
Naphthalene	50.0	46.99		ug/Kg	94	64 - 124	54 - 134	
n-Butylbenzene	50.0	42.40		ug/Kg	85	78 - 126	70 - 134	
N-Propylbenzene	50.0	41.59		ug/Kg	83	80 - 122	73 - 129	
o-Xylene	50.0	41.88		ug/Kg	84	79 - 127	71 - 135	
m,p-Xylene	100	82.34		ug/Kg	82	80 - 122	73 - 129	
p-Isopropyltoluene	50.0	41.60		ug/Kg	83	80 - 122	73 - 129	
sec-Butylbenzene	50.0	41.85		ug/Kg	84	79 - 127	71 - 135	
Styrene	50.0	43.07		ug/Kg	86	80 - 123	73 - 130	
trans-1,2-Dichloroethene	50.0	40.39		ug/Kg	81	80 - 120	73 - 127	
trans-1,3-Dichloropropene	50.0	47.70		ug/Kg	95	66 - 120	57 - 129	
Tert-amyl-methyl ether (TAME)	50.0	47.05		ug/Kg	94	63 - 129	52 - 140	
tert-Butyl alcohol (TBA)	250	231.6		ug/Kg	93	79 - 121	72 - 128	
tert-Butylbenzene	50.0	41.62		ug/Kg	83	80 - 128	72 - 136	
Tetrachloroethene	50.0	40.93		ug/Kg	82	75 - 123	67 - 131	

Marginal Exceedance (ME) Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-74963/5
Matrix: Solid

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
Toluene	50.0	41.65		ug/Kg	83	80 - 120	73 - 127	
Trichloroethene	50.0	42.02		ug/Kg	84	80 - 120	73 - 127	
Trichlorofluoromethane	50.0	46.38		ug/Kg	93	70 - 136	59 - 147	
Vinyl acetate	50.0	47.98		ug/Kg	96	51 - 159	N/A	
Vinyl chloride	50.0	41.51		ug/Kg	83	68 - 120	59 - 129	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
71	4	2

ME = Marginal Exceedance

GC/MS VOA

Prep Batch: 74899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	5035	
570-30685-2	S-2	Total/NA	Solid	5035	
570-30685-3	S-3	Total/NA	Solid	5035	
570-30685-4	S-4	Total/NA	Solid	5035	

Analysis Batch: 74963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	8260B	74899
570-30685-2	S-2	Total/NA	Solid	8260B	74899
570-30685-3	S-3	Total/NA	Solid	8260B	74899
570-30685-4	S-4	Total/NA	Solid	8260B	74899
MB 570-74963/7	Method Blank	Total/NA	Solid	8260B	
LCS 570-74963/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-74963/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 75006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	3545	
570-30685-2	S-2	Total/NA	Solid	3545	
570-30685-3	S-3	Total/NA	Solid	3545	
570-30685-4	S-4	Total/NA	Solid	3545	
LCS 570-75006/2-A	Lab Control Sample	Total/NA	Solid	3545	
LCSD 570-75006/3-A	Lab Control Sample Dup	Total/NA	Solid	3545	
570-30685-1 MS	S-1	Total/NA	Solid	3545	
570-30685-1 MSD	S-1	Total/NA	Solid	3545	

Analysis Batch: 75430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	8270C SIM	75006
570-30685-2	S-2	Total/NA	Solid	8270C SIM	75006
570-30685-3	S-3	Total/NA	Solid	8270C SIM	75006
570-30685-4	S-4	Total/NA	Solid	8270C SIM	75006
LCS 570-75006/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	75006
LCSD 570-75006/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	75006
570-30685-1 MS	S-1	Total/NA	Solid	8270C SIM	75006
570-30685-1 MSD	S-1	Total/NA	Solid	8270C SIM	75006

GC VOA

Prep Batch: 74899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	5035	
570-30685-2	S-2	Total/NA	Solid	5035	
570-30685-3	S-3	Total/NA	Solid	5035	
570-30685-4	S-4	Total/NA	Solid	5035	

Analysis Batch: 74988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	8015B	74899
570-30685-2	S-2	Total/NA	Solid	8015B	74899

GC VOA (Continued)

Analysis Batch: 74988 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-3	S-3	Total/NA	Solid	8015B	74899
570-30685-4	S-4	Total/NA	Solid	8015B	74899
MB 570-74988/6	Method Blank	Total/NA	Solid	8015B	
LCS 570-74988/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 570-74988/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

GC Semi VOA

Analysis Batch: 74716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	8015B	74876
570-30685-2	S-2	Total/NA	Solid	8015B	74876
570-30685-3	S-3	Total/NA	Solid	8015B	74876
570-30685-4	S-4	Total/NA	Solid	8015B	74876
MB 570-74876/1-A	Method Blank	Total/NA	Solid	8015B	74876
LCS 570-74876/2-A	Lab Control Sample	Total/NA	Solid	8015B	74876
LCSD 570-74876/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	74876
570-30620-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B	74876
570-30620-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	74876

Prep Batch: 74876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	3550C	
570-30685-2	S-2	Total/NA	Solid	3550C	
570-30685-3	S-3	Total/NA	Solid	3550C	
570-30685-4	S-4	Total/NA	Solid	3550C	
MB 570-74876/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-74876/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-74876/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-30620-A-1-G MS	Matrix Spike	Total/NA	Solid	3550C	
570-30620-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 74992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	8082	75005
570-30685-2	S-2	Total/NA	Solid	8082	75005
570-30685-3	S-3	Total/NA	Solid	8082	75005
570-30685-4	S-4	Total/NA	Solid	8082	75005
MB 570-75005/1-A	Method Blank	Total/NA	Solid	8082	75005
LCS 570-75005/2-A	Lab Control Sample	Total/NA	Solid	8082	75005
LCSD 570-75005/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	75005
570-30685-2 MS	S-2	Total/NA	Solid	8082	75005
570-30685-2 MSD	S-2	Total/NA	Solid	8082	75005

Prep Batch: 75005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	3545	
570-30685-2	S-2	Total/NA	Solid	3545	
570-30685-3	S-3	Total/NA	Solid	3545	
570-30685-4	S-4	Total/NA	Solid	3545	
MB 570-75005/1-A	Method Blank	Total/NA	Solid	3545	

GC Semi VOA (Continued)

Prep Batch: 75005 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-75005/2-A	Lab Control Sample	Total/NA	Solid	3545	
LCSD 570-75005/3-A	Lab Control Sample Dup	Total/NA	Solid	3545	
570-30685-2 MS	S-2	Total/NA	Solid	3545	
570-30685-2 MSD	S-2	Total/NA	Solid	3545	

Metals

Prep Batch: 75110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	3050B	
570-30685-2	S-2	Total/NA	Solid	3050B	
570-30685-3	S-3	Total/NA	Solid	3050B	
570-30685-4	S-4	Total/NA	Solid	3050B	
MB 570-75110/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-75110/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-75110/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-30685-1 MS	S-1	Total/NA	Solid	3050B	
570-30685-1 MSD	S-1	Total/NA	Solid	3050B	

Prep Batch: 75114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	7471A	
570-30685-2	S-2	Total/NA	Solid	7471A	
570-30685-3	S-3	Total/NA	Solid	7471A	
570-30685-4	S-4	Total/NA	Solid	7471A	
MB 570-75114/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-75114/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-75114/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-30685-1 MS	S-1	Total/NA	Solid	7471A	
570-30685-1 MSD	S-1	Total/NA	Solid	7471A	

Analysis Batch: 75210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-2	S-2	Total/NA	Solid	6010B	75110
570-30685-3	S-3	Total/NA	Solid	6010B	75110
570-30685-4	S-4	Total/NA	Solid	6010B	75110
MB 570-75110/1-A	Method Blank	Total/NA	Solid	6010B	75110
LCS 570-75110/2-A	Lab Control Sample	Total/NA	Solid	6010B	75110
LCSD 570-75110/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	75110
570-30685-1 MS	S-1	Total/NA	Solid	6010B	75110
570-30685-1 MSD	S-1	Total/NA	Solid	6010B	75110

Analysis Batch: 75456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	6010B	75110

Analysis Batch: 75463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-1	S-1	Total/NA	Solid	7471A	75114
570-30685-2	S-2	Total/NA	Solid	7471A	75114
570-30685-3	S-3	Total/NA	Solid	7471A	75114

Metals (Continued)

Analysis Batch: 75463 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30685-4	S-4	Total/NA	Solid	7471A	75114
MB 570-75114/1-A	Method Blank	Total/NA	Solid	7471A	75114
LCS 570-75114/2-A	Lab Control Sample	Total/NA	Solid	7471A	75114
LCSD 570-75114/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	75114
570-30685-1 MS	S-1	Total/NA	Solid	7471A	75114
570-30685-1 MSD	S-1	Total/NA	Solid	7471A	75114

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Client Sample ID: S-1

Date Collected: 06/11/20 13:50
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.061 g	5 g	74899	06/11/20 19:57	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	74963	06/12/20 11:42	MGX6	ECL 2
	Instrument ID: GCMSQ									
Total/NA	Prep	3545			10.02 g	2 mL	75006	06/12/20 09:22	F7UI	ECL 1
Total/NA	Analysis	8270C SIM		1			75430	06/15/20 12:49	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	5035			4.801 g	5 g	74899	06/11/20 19:57	P4DI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	74988	06/12/20 12:32	HKC	ECL 2
	Instrument ID: GC57									
Total/NA	Prep	3550C			10.31 g	10 mL	74876	06/11/20 19:24	SP7J	ECL 1
Total/NA	Analysis	8015B		1			74716	06/12/20 10:56	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			19.93 g	10 mL	75005	06/12/20 09:18	F7UI	ECL 1
Total/NA	Analysis	8082		1			74992	06/13/20 00:41	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.03 g	100 mL	75110	06/12/20 14:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			75456	06/15/20 10:16	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.58 g	100 mL	75114	06/12/20 14:30	X7RL	ECL 1
Total/NA	Analysis	7471A		1			75463	06/15/20 13:04	MD3A	ECL 1
	Instrument ID: HG7									

Client Sample ID: S-2

Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.158 g	5 g	74899	06/11/20 19:57	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	74963	06/12/20 12:09	MGX6	ECL 2
	Instrument ID: GCMSQ									
Total/NA	Prep	3545			9.96 g	2 mL	75006	06/12/20 09:22	F7UI	ECL 1
Total/NA	Analysis	8270C SIM		1			75430	06/15/20 13:09	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	5035			4.538 g	5 g	74899	06/11/20 19:57	P4DI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	74988	06/12/20 12:08	HKC	ECL 2
	Instrument ID: GC57									
Total/NA	Prep	3550C			10.16 g	10 mL	74876	06/11/20 19:24	SP7J	ECL 1
Total/NA	Analysis	8015B		1			74716	06/12/20 11:16	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			19.94 g	10 mL	75005	06/12/20 09:18	F7UI	ECL 1
Total/NA	Analysis	8082		1			74992	06/13/20 00:59	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.94 g	100 mL	75110	06/12/20 14:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			75210	06/12/20 21:35	OYW3	ECL 1
	Instrument ID: ICP8									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Client Sample ID: S-2

Date Collected: 06/11/20 13:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			.61 g	100 mL	75114	06/12/20 14:30	X7RL	ECL 1
Total/NA	Analysis	7471A		1			75463	06/15/20 13:11	MD3A	ECL 1
	Instrument ID: HG7									

Client Sample ID: S-3

Date Collected: 06/11/20 11:08
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.058 g	5 g	74899	06/11/20 19:57	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	74963	06/12/20 12:36	MGX6	ECL 2
	Instrument ID: GCMSQ									
Total/NA	Prep	3545			10.02 g	2 mL	75006	06/12/20 09:22	F7UI	ECL 1
Total/NA	Analysis	8270C SIM		1			75430	06/15/20 13:28	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	5035			6.334 g	5 g	74899	06/11/20 19:57	P4DI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	74988	06/12/20 11:45	HKC	ECL 2
	Instrument ID: GC57									
Total/NA	Prep	3550C			10.07 g	10 mL	74876	06/11/20 19:24	SP7J	ECL 1
Total/NA	Analysis	8015B		1			74716	06/12/20 11:38	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.08 g	10 mL	75005	06/12/20 09:18	F7UI	ECL 1
Total/NA	Analysis	8082		1			74992	06/13/20 01:17	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.04 g	100 mL	75110	06/12/20 14:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			75210	06/12/20 21:37	OYW3	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.57 g	100 mL	75114	06/12/20 14:30	X7RL	ECL 1
Total/NA	Analysis	7471A		1			75463	06/15/20 13:14	MD3A	ECL 1
	Instrument ID: HG7									

Client Sample ID: S-4

Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.952 g	5 g	74899	06/11/20 19:57	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	74963	06/12/20 13:02	MGX6	ECL 2
	Instrument ID: GCMSQ									
Total/NA	Prep	3545			9.97 g	2 mL	75006	06/12/20 09:22	F7UI	ECL 1
Total/NA	Analysis	8270C SIM		1			75430	06/15/20 13:48	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	5035			3.922 g	5 g	74899	06/11/20 19:57	P4DI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	74988	06/12/20 11:22	HKC	ECL 2
	Instrument ID: GC57									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Client Sample ID: S-4

Date Collected: 06/11/20 11:30
Date Received: 06/11/20 17:03

Lab Sample ID: 570-30685-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.26 g	10 mL	74876	06/11/20 19:24	SP7J	ECL 1
Total/NA	Analysis	8015B		1			74716	06/12/20 13:02	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			19.94 g	10 mL	75005	06/12/20 09:18	F7UI	ECL 1
Total/NA	Analysis	8082		1			74992	06/13/20 01:35	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.01 g	100 mL	75110	06/12/20 14:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			75210	06/12/20 22:03	OYW3	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.60 g	100 mL	75114	06/12/20 14:30	X7RL	ECL 1
Total/NA	Analysis	7471A		1			75463	06/15/20 13:16	MD3A	ECL 1
	Instrument ID: HG7									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Nevada	State	CA00111	07-31-20
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM	PAHs (GC/MS SIM)	SW846	ECL 1
8015B	Gasoline Range Organics - (GC)	SW846	ECL 2
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3545	Pressurized Fluid Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5035	Closed System Purge and Trap	SW846	ECL 2
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30685-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-30685-1	S-1	Solid	06/11/20 13:50	06/11/20 17:03	
570-30685-2	S-2	Solid	06/11/20 13:30	06/11/20 17:03	
570-30685-3	S-3	Solid	06/11/20 11:08	06/11/20 17:03	
570-30685-4	S-4	Solid	06/11/20 11:30	06/11/20 17:03	

Loc: 570
30685

570-30685 Chain of Custody

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Calscience

CHAIN OF CUSTODY RECORD

DATE: 6/11/20

PAGE: 1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us

LABORATORY CLIENT: Geosyntec Consultants, Inc.

ADDRESS: 211 E. Ocean Blvd, Suite 300

CITY: Long Beach STATE: CA ZIP: 90802

TEL:

E-MAIL: mtaptich@geosyntec.com; msmall@geosyntec.com

CLIENT PROJECT NAME / NUMBER: PNR0651FW2/2678

P.O. NO: 100016408

PROJECT CONTACT: Stephanie Bore/Molly Small/Stephen Nowak

SAMPLER(S) (PRINT): Eric Garcia

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☒ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) GRO TPH 8015B	TPH(d) ORO TPH 8015B	TPH ☐ C6-C36 ☐ C6-C44	TPH 8015B ORO	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035): ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs: ☐ 8270 ☐ 8270 SIM	T22 Metals: ☐ 6010/747X ☐ 6020/747X	Cr(VI): ☐ 7196 ☐ 7199 ☐ 218.6
1	S-1	6/11/20	1350	S	8	X	X		X	X		X		X					X	X	X	
2	S-2		1330	S	8	X	X		X	X		X		X					X	X	X	
3	S-3		1108	S	8	X	X		X	X		X		X					X	X	X	
4	S-4	↓	1130	S	8	X	X		X	X		X		X					X	X	X	

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 6-11-2020	Time: 17:03
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Page 56 of 57

6/15/2020

06/02/14 Revision

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 570-30685-1

Login Number: 30685
List Number: 1
Creator: Liao, Gineyau

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-30828-1
Client Project/Site: PNR0651FW2/267B

For:
Geosyntec Consultants, Inc.
520 Pike Street
Suite 2600
Seattle, Washington 98101

Attn: Molly Taptich

Authorized for release by:
6/16/2020 3:06:50 PM

Stephen Nowak, Project Manager I
(714)895-5494
stephennowak@eurofinsus.com

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Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
me	LCS Recovery is within Marginal Exdeedance (ME) control limit range (± 4 SD from the mean).

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-30828-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-30828-1

Comments
No additional comments.

Receipt
The samples were received on 6/12/2020 3:57 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

Air Toxics
Method TO-15: Due to the use of isopropyl alcohol (IPA) as an alternative disinfecting agent for laboratory workspaces during the COVID-19 pandemic, the concentration of IPA in volatile organic analyses cannot be accurately quantitated in the following samples: SS-5 (570-30828-2), SS-4 (570-30828-3), SS-1 (570-30828-4), SS-7 (570-30828-5), SS-2 (570-30828-6) and SS-6 (570-30828-7).

Method TO-15: The continuing calibration verification (CCV) associated with batch 570-75202 recovered above the upper control limit for 1,2,4-Trichlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SS-3 (570-30828-1), SS-5 (570-30828-2), SS-4 (570-30828-3), SS-1 (570-30828-4), SS-7 (570-30828-5), SS-2 (570-30828-6), SS-6 (570-30828-7) and (CCV 570-75202/2).

Method TO-15: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 570-75202 recovered outside control limits for the following analytes: 1,2,4-Trichlorobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Client Sample ID: SS-3 — Lab Sample ID: 570-30828-1

No Detections.

Client Sample ID: SS-5 — Lab Sample ID: 570-30828-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Isopropanol	260		35		ug/m3	2.864		TO-15	Total/NA
Tetrachloroethene	23		9.7		ug/m3	2.864		TO-15	Total/NA
Acetone - DL	780		21		ug/m3	4.475		TO-15	Total/NA

Client Sample ID: SS-4 — Lab Sample ID: 570-30828-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	760		21		ug/m3	4.325		TO-15	Total/NA
Isopropanol	160		53		ug/m3	4.325		TO-15	Total/NA

Client Sample ID: SS-1 — Lab Sample ID: 570-30828-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	20		3.2		ug/m3	1.18		TO-15	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	19		14		ug/m3	1.18		TO-15	Total/NA
2-Butanone	14		5.2		ug/m3	1.18		TO-15	Total/NA
Chloroform	5.3		2.9		ug/m3	1.18		TO-15	Total/NA
Dichlorodifluoromethane	3.6		2.9		ug/m3	1.18		TO-15	Total/NA
Isopropanol	88		15		ug/m3	1.18		TO-15	Total/NA
Tetrachloroethene	110		4.0		ug/m3	1.18		TO-15	Total/NA
Acetone - DL	360		12		ug/m3	2.52		TO-15	Total/NA

Client Sample ID: SS-7 — Lab Sample ID: 570-30828-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	4.1		3.4		ug/m3	1.26		TO-15	Total/NA
2-Butanone	11		5.6		ug/m3	1.26		TO-15	Total/NA
Acetone	59		6.0		ug/m3	1.26		TO-15	Total/NA
Isopropanol	22		15		ug/m3	1.26		TO-15	Total/NA
Tetrachloroethene	32		4.3		ug/m3	1.26		TO-15	Total/NA
Toluene	5.6		2.4		ug/m3	1.26		TO-15	Total/NA

Client Sample ID: SS-2 — Lab Sample ID: 570-30828-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	83		3.4		ug/m3	1.24		TO-15	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	18		14		ug/m3	1.24		TO-15	Total/NA
2-Butanone	20		5.5		ug/m3	1.24		TO-15	Total/NA
Acetone	250		5.9		ug/m3	1.24		TO-15	Total/NA
Dichlorodifluoromethane	3.2		3.1		ug/m3	1.24		TO-15	Total/NA
Isopropanol	75		15		ug/m3	1.24		TO-15	Total/NA
Tetrachloroethene	240		4.2		ug/m3	1.24		TO-15	Total/NA

Client Sample ID: SS-6 — Lab Sample ID: 570-30828-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
2-Butanone	12		5.3		ug/m3	1.19		TO-15	Total/NA
Acetone	65		5.7		ug/m3	1.19		TO-15	Total/NA
Dichlorodifluoromethane	3.2		2.9		ug/m3	1.19		TO-15	Total/NA
Isopropanol	33		15		ug/m3	1.19		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS-6 (Continued)

Lab Sample ID: 570-30828-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.5		4.0		ug/m3	1.19		TO-15	Total/NA
Toluene	2.8		2.2		ug/m3	1.19		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: SS-3
Date Collected: 06/11/20 16:15
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-1
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.2		ug/m3			06/13/20 17:27	1.17
1,1,2,2-Tetrachloroethane	ND		8.0		ug/m3			06/13/20 17:27	1.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/m3			06/13/20 17:27	1.17
1,1,2-Trichloroethane	ND		3.2		ug/m3			06/13/20 17:27	1.17
1,1-Dichloroethane	ND		2.4		ug/m3			06/13/20 17:27	1.17
1,1-Dichloroethene	ND		2.3		ug/m3			06/13/20 17:27	1.17
1,1-Difluoroethane	ND		6.3		ug/m3			06/13/20 17:27	1.17
1,2,4-Trichlorobenzene	ND	*	17		ug/m3			06/13/20 17:27	1.17
1,2,4-Trimethylbenzene	ND		8.6		ug/m3			06/13/20 17:27	1.17
1,2-Dibromo-3-Chloropropane	ND		17		ug/m3			06/13/20 17:27	1.17
1,2-Dibromoethane	ND		4.5		ug/m3			06/13/20 17:27	1.17
1,2-Dichlorobenzene	ND		3.5		ug/m3			06/13/20 17:27	1.17
1,2-Dichloroethane	ND		2.4		ug/m3			06/13/20 17:27	1.17
1,2-Dichloropropane	ND		2.7		ug/m3			06/13/20 17:27	1.17
1,3,5-Trimethylbenzene	ND		2.9		ug/m3			06/13/20 17:27	1.17
1,3-Dichlorobenzene	ND		3.5		ug/m3			06/13/20 17:27	1.17
1,4-Dichlorobenzene	ND		3.5		ug/m3			06/13/20 17:27	1.17
2-Butanone	ND		5.2		ug/m3			06/13/20 17:27	1.17
2-Hexanone	ND		7.2		ug/m3			06/13/20 17:27	1.17
4-Ethyltoluene	ND		2.9		ug/m3			06/13/20 17:27	1.17
4-Methyl-2-pentanone	ND		7.2		ug/m3			06/13/20 17:27	1.17
Acetone	ND		5.6		ug/m3			06/13/20 17:27	1.17
Benzene	ND		1.9		ug/m3			06/13/20 17:27	1.17
Benzyl chloride	ND		9.1		ug/m3			06/13/20 17:27	1.17
Bromodichloromethane	ND		3.9		ug/m3			06/13/20 17:27	1.17
Bromoform	ND		6.0		ug/m3			06/13/20 17:27	1.17
Bromomethane	ND		2.3		ug/m3			06/13/20 17:27	1.17
cis-1,2-Dichloroethene	ND		2.3		ug/m3			06/13/20 17:27	1.17
cis-1,3-Dichloropropene	ND		2.7		ug/m3			06/13/20 17:27	1.17
Carbon disulfide	ND		7.3		ug/m3			06/13/20 17:27	1.17
Carbon tetrachloride	ND		3.7		ug/m3			06/13/20 17:27	1.17
Chlorobenzene	ND		2.7		ug/m3			06/13/20 17:27	1.17
Chloroethane	ND		1.5		ug/m3			06/13/20 17:27	1.17
Chloroform	ND		2.9		ug/m3			06/13/20 17:27	1.17
Chloromethane	ND		1.2		ug/m3			06/13/20 17:27	1.17
Dibromochloromethane	ND		5.0		ug/m3			06/13/20 17:27	1.17
Dichlorodifluoromethane	ND		2.9		ug/m3			06/13/20 17:27	1.17
Dichlorotetrafluoroethane	ND		16		ug/m3			06/13/20 17:27	1.17
Ethylbenzene	ND		2.5		ug/m3			06/13/20 17:27	1.17
Hexachloro-1,3-butadiene	ND		19		ug/m3			06/13/20 17:27	1.17
Isopropanol	ND		14		ug/m3			06/13/20 17:27	1.17
Methylene Chloride	ND		20		ug/m3			06/13/20 17:27	1.17
Methyl-t-Butyl Ether (MTBE)	ND		8.4		ug/m3			06/13/20 17:27	1.17
n-Butylbenzene	ND		9.6		ug/m3			06/13/20 17:27	1.17
o-Xylene	ND		2.5		ug/m3			06/13/20 17:27	1.17
m,p-Xylene	ND		10		ug/m3			06/13/20 17:27	1.17
sec-Butylbenzene	ND		9.6		ug/m3			06/13/20 17:27	1.17
Styrene	ND		7.5		ug/m3			06/13/20 17:27	1.17

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SS-3
Date Collected: 06/11/20 16:15
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-1
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.3		ug/m3			06/13/20 17:27	1.17
trans-1,3-Dichloropropene	ND		5.3		ug/m3			06/13/20 17:27	1.17
tert-Butylbenzene	ND		9.6		ug/m3			06/13/20 17:27	1.17
Tetrachloroethene	ND		4.0		ug/m3			06/13/20 17:27	1.17
Toluene	ND		2.2		ug/m3			06/13/20 17:27	1.17
Trichloroethene	ND		3.1		ug/m3			06/13/20 17:27	1.17
Trichlorofluoromethane	ND		6.6		ug/m3			06/13/20 17:27	1.17
Vinyl acetate	ND		8.2		ug/m3			06/13/20 17:27	1.17
Vinyl chloride	ND		1.5		ug/m3			06/13/20 17:27	1.17

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*06/13/20 17:27*	*1.17*
4-Bromofluorobenzene (Surr)	*93*		*67 - 131*		*06/13/20 17:27*	*1.17*
Toluene-d8 (Surr)	*96*		*70 - 130*		*06/13/20 17:27*	*1.17*

Client Sample ID: SS-5
Date Collected: 06/11/20 17:20
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-2
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7.8		ug/m3			06/13/20 18:15	2.864
1,1,2,2-Tetrachloroethane	ND		20		ug/m3			06/13/20 18:15	2.864
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		33		ug/m3			06/13/20 18:15	2.864
1,1,2-Trichloroethane	ND		7.8		ug/m3			06/13/20 18:15	2.864
1,1-Dichloroethane	ND		5.8		ug/m3			06/13/20 18:15	2.864
1,1-Dichloroethene	ND		5.7		ug/m3			06/13/20 18:15	2.864
1,1-Difluoroethane	ND		15		ug/m3			06/13/20 18:15	2.864
1,2,4-Trichlorobenzene	ND	*	43		ug/m3			06/13/20 18:15	2.864
1,2,4-Trimethylbenzene	ND		21		ug/m3			06/13/20 18:15	2.864
1,2-Dibromo-3-Chloropropane	ND		42		ug/m3			06/13/20 18:15	2.864
1,2-Dibromoethane	ND		11		ug/m3			06/13/20 18:15	2.864
1,2-Dichlorobenzene	ND		8.6		ug/m3			06/13/20 18:15	2.864
1,2-Dichloroethane	ND		5.8		ug/m3			06/13/20 18:15	2.864
1,2-Dichloropropane	ND		6.6		ug/m3			06/13/20 18:15	2.864
1,3,5-Trimethylbenzene	ND		7.0		ug/m3			06/13/20 18:15	2.864
1,3-Dichlorobenzene	ND		8.6		ug/m3			06/13/20 18:15	2.864
1,4-Dichlorobenzene	ND		8.6		ug/m3			06/13/20 18:15	2.864
2-Butanone	ND		13		ug/m3			06/13/20 18:15	2.864
2-Hexanone	ND		18		ug/m3			06/13/20 18:15	2.864
4-Ethyltoluene	ND		7.0		ug/m3			06/13/20 18:15	2.864
4-Methyl-2-pentanone	ND		18		ug/m3			06/13/20 18:15	2.864
Benzene	ND		4.6		ug/m3			06/13/20 18:15	2.864
Benzyl chloride	ND		22		ug/m3			06/13/20 18:15	2.864
Bromodichloromethane	ND		9.6		ug/m3			06/13/20 18:15	2.864
Bromoform	ND		15		ug/m3			06/13/20 18:15	2.864
Bromomethane	ND		5.6		ug/m3			06/13/20 18:15	2.864
cis-1,2-Dichloroethene	ND		5.7		ug/m3			06/13/20 18:15	2.864
cis-1,3-Dichloropropene	ND		6.5		ug/m3			06/13/20 18:15	2.864
Carbon disulfide	ND		18		ug/m3			06/13/20 18:15	2.864

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SS-5
Date Collected: 06/11/20 17:20
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-2
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		9.0		ug/m3			06/13/20 18:15	2.864
Chlorobenzene	ND		6.6		ug/m3			06/13/20 18:15	2.864
Chloroethane	ND		3.8		ug/m3			06/13/20 18:15	2.864
Chloroform	ND		7.0		ug/m3			06/13/20 18:15	2.864
Chloromethane	ND		3.0		ug/m3			06/13/20 18:15	2.864
Dibromochloromethane	ND		12		ug/m3			06/13/20 18:15	2.864
Dichlorodifluoromethane	ND		7.1		ug/m3			06/13/20 18:15	2.864
Dichlorotetrafluoroethane	ND		40		ug/m3			06/13/20 18:15	2.864
Ethylbenzene	ND		6.2		ug/m3			06/13/20 18:15	2.864
Hexachloro-1,3-butadiene	ND		46		ug/m3			06/13/20 18:15	2.864
Isopropanol	**260**		35		ug/m3			06/13/20 18:15	2.864
Methylene Chloride	ND		50		ug/m3			06/13/20 18:15	2.864
Methyl-t-Butyl Ether (MTBE)	ND		21		ug/m3			06/13/20 18:15	2.864
n-Butylbenzene	ND		24		ug/m3			06/13/20 18:15	2.864
o-Xylene	ND		6.2		ug/m3			06/13/20 18:15	2.864
m,p-Xylene	ND		25		ug/m3			06/13/20 18:15	2.864
sec-Butylbenzene	ND		24		ug/m3			06/13/20 18:15	2.864
Styrene	ND		18		ug/m3			06/13/20 18:15	2.864
trans-1,2-Dichloroethene	ND		5.7		ug/m3			06/13/20 18:15	2.864
trans-1,3-Dichloropropene	ND		13		ug/m3			06/13/20 18:15	2.864
tert-Butylbenzene	ND		24		ug/m3			06/13/20 18:15	2.864
Tetrachloroethene	**23**		9.7		ug/m3			06/13/20 18:15	2.864
Toluene	ND		5.4		ug/m3			06/13/20 18:15	2.864
Trichloroethene	ND		7.7		ug/m3			06/13/20 18:15	2.864
Trichlorofluoromethane	ND		16		ug/m3			06/13/20 18:15	2.864
Vinyl acetate	ND		20		ug/m3			06/13/20 18:15	2.864
Vinyl chloride	ND		3.7		ug/m3			06/13/20 18:15	2.864

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*06/13/20 18:15*	*2.864*
4-Bromofluorobenzene (Surr)	*95*		*67 - 131*		*06/13/20 18:15*	*2.864*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/13/20 18:15*	*2.864*

Client Sample ID: SS-4
Date Collected: 06/11/20 18:05
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-3
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		12		ug/m3			06/13/20 19:05	4.325
1,1,2,2-Tetrachloroethane	ND		30		ug/m3			06/13/20 19:05	4.325
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50		ug/m3			06/13/20 19:05	4.325
1,1,2-Trichloroethane	ND		12		ug/m3			06/13/20 19:05	4.325
1,1-Dichloroethane	ND		8.8		ug/m3			06/13/20 19:05	4.325
1,1-Dichloroethene	ND		8.6		ug/m3			06/13/20 19:05	4.325
1,1-Difluoroethane	ND		23		ug/m3			06/13/20 19:05	4.325
1,2,4-Trichlorobenzene	ND	*	64		ug/m3			06/13/20 19:05	4.325
1,2,4-Trimethylbenzene	ND		32		ug/m3			06/13/20 19:05	4.325
1,2-Dibromo-3-Chloropropane	ND		63		ug/m3			06/13/20 19:05	4.325
1,2-Dibromoethane	ND		17		ug/m3			06/13/20 19:05	4.325

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SS-4
Date Collected: 06/11/20 18:05
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-3
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		13		ug/m3			06/13/20 19:05	4.325
1,2-Dichloroethane	ND		8.8		ug/m3			06/13/20 19:05	4.325
1,2-Dichloropropane	ND		10		ug/m3			06/13/20 19:05	4.325
1,3,5-Trimethylbenzene	ND		11		ug/m3			06/13/20 19:05	4.325
1,3-Dichlorobenzene	ND		13		ug/m3			06/13/20 19:05	4.325
1,4-Dichlorobenzene	ND		13		ug/m3			06/13/20 19:05	4.325
2-Butanone	ND		19		ug/m3			06/13/20 19:05	4.325
2-Hexanone	ND		27		ug/m3			06/13/20 19:05	4.325
4-Ethyltoluene	ND		11		ug/m3			06/13/20 19:05	4.325
4-Methyl-2-pentanone	ND		27		ug/m3			06/13/20 19:05	4.325
Acetone	**760**		21		ug/m3			06/13/20 19:05	4.325
Benzene	ND		6.9		ug/m3			06/13/20 19:05	4.325
Benzyl chloride	ND		34		ug/m3			06/13/20 19:05	4.325
Bromodichloromethane	ND		14		ug/m3			06/13/20 19:05	4.325
Bromoform	ND		22		ug/m3			06/13/20 19:05	4.325
Bromomethane	ND		8.4		ug/m3			06/13/20 19:05	4.325
cis-1,2-Dichloroethene	ND		8.6		ug/m3			06/13/20 19:05	4.325
cis-1,3-Dichloropropene	ND		9.8		ug/m3			06/13/20 19:05	4.325
Carbon disulfide	ND		27		ug/m3			06/13/20 19:05	4.325
Carbon tetrachloride	ND		14		ug/m3			06/13/20 19:05	4.325
Chlorobenzene	ND		10		ug/m3			06/13/20 19:05	4.325
Chloroethane	ND		5.7		ug/m3			06/13/20 19:05	4.325
Chloroform	ND		11		ug/m3			06/13/20 19:05	4.325
Chloromethane	ND		4.5		ug/m3			06/13/20 19:05	4.325
Dibromochloromethane	ND		18		ug/m3			06/13/20 19:05	4.325
Dichlorodifluoromethane	ND		11		ug/m3			06/13/20 19:05	4.325
Dichlorotetrafluoroethane	ND		60		ug/m3			06/13/20 19:05	4.325
Ethylbenzene	ND		9.4		ug/m3			06/13/20 19:05	4.325
Hexachloro-1,3-butadiene	ND		69		ug/m3			06/13/20 19:05	4.325
Isopropanol	**160**		53		ug/m3			06/13/20 19:05	4.325
Methylene Chloride	ND		75		ug/m3			06/13/20 19:05	4.325
Methyl-t-Butyl Ether (MTBE)	ND		31		ug/m3			06/13/20 19:05	4.325
n-Butylbenzene	ND		36		ug/m3			06/13/20 19:05	4.325
o-Xylene	ND		9.4		ug/m3			06/13/20 19:05	4.325
m,p-Xylene	ND		38		ug/m3			06/13/20 19:05	4.325
sec-Butylbenzene	ND		36		ug/m3			06/13/20 19:05	4.325
Styrene	ND		28		ug/m3			06/13/20 19:05	4.325
trans-1,2-Dichloroethene	ND		8.6		ug/m3			06/13/20 19:05	4.325
trans-1,3-Dichloropropene	ND		20		ug/m3			06/13/20 19:05	4.325
tert-Butylbenzene	ND		36		ug/m3			06/13/20 19:05	4.325
Tetrachloroethene	ND		15		ug/m3			06/13/20 19:05	4.325
Toluene	ND		8.1		ug/m3			06/13/20 19:05	4.325
Trichloroethene	ND		12		ug/m3			06/13/20 19:05	4.325
Trichlorofluoromethane	ND		24		ug/m3			06/13/20 19:05	4.325
Vinyl acetate	ND		30		ug/m3			06/13/20 19:05	4.325
Vinyl chloride	ND		5.5		ug/m3			06/13/20 19:05	4.325

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*06/13/20 19:05*	*4.325*

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SS-4
Date Collected: 06/11/20 18:05
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-3
Matrix: Air

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*67 - 131*		*06/13/20 19:05*	*4.325*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/13/20 19:05*	*4.325*

Client Sample ID: SS-1
Date Collected: 06/12/20 08:47
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-4
Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**20**		3.2	ug/m3			06/13/20 19:56	1.18
1,1,2,2-Tetrachloroethane	ND		8.1	ug/m3			06/13/20 19:56	1.18
1,1,2-Trichloro-1,2,2-trifluoroethane	**19**		14	ug/m3			06/13/20 19:56	1.18
1,1,2-Trichloroethane	ND		3.2	ug/m3			06/13/20 19:56	1.18
1,1-Dichloroethane	ND		2.4	ug/m3			06/13/20 19:56	1.18
1,1-Dichloroethene	ND		2.3	ug/m3			06/13/20 19:56	1.18
1,1-Difluoroethane	ND		6.4	ug/m3			06/13/20 19:56	1.18
1,2,4-Trichlorobenzene	ND	*	18	ug/m3			06/13/20 19:56	1.18
1,2,4-Trimethylbenzene	ND		8.7	ug/m3			06/13/20 19:56	1.18
1,2-Dibromo-3-Chloropropane	ND		17	ug/m3			06/13/20 19:56	1.18
1,2-Dibromoethane	ND		4.5	ug/m3			06/13/20 19:56	1.18
1,2-Dichlorobenzene	ND		3.5	ug/m3			06/13/20 19:56	1.18
1,2-Dichloroethane	ND		2.4	ug/m3			06/13/20 19:56	1.18
1,2-Dichloropropane	ND		2.7	ug/m3			06/13/20 19:56	1.18
1,3,5-Trimethylbenzene	ND		2.9	ug/m3			06/13/20 19:56	1.18
1,3-Dichlorobenzene	ND		3.5	ug/m3			06/13/20 19:56	1.18
1,4-Dichlorobenzene	ND		3.5	ug/m3			06/13/20 19:56	1.18
2-Butanone	**14**		5.2	ug/m3			06/13/20 19:56	1.18
2-Hexanone	ND		7.3	ug/m3			06/13/20 19:56	1.18
4-Ethyltoluene	ND		2.9	ug/m3			06/13/20 19:56	1.18
4-Methyl-2-pentanone	ND		7.3	ug/m3			06/13/20 19:56	1.18
Benzene	ND		1.9	ug/m3			06/13/20 19:56	1.18
Benzyl chloride	ND		9.2	ug/m3			06/13/20 19:56	1.18
Bromodichloromethane	ND		4.0	ug/m3			06/13/20 19:56	1.18
Bromoform	ND		6.1	ug/m3			06/13/20 19:56	1.18
Bromomethane	ND		2.3	ug/m3			06/13/20 19:56	1.18
cis-1,2-Dichloroethene	ND		2.3	ug/m3			06/13/20 19:56	1.18
cis-1,3-Dichloropropene	ND		2.7	ug/m3			06/13/20 19:56	1.18
Carbon disulfide	ND		7.3	ug/m3			06/13/20 19:56	1.18
Carbon tetrachloride	ND		3.7	ug/m3			06/13/20 19:56	1.18
Chlorobenzene	ND		2.7	ug/m3			06/13/20 19:56	1.18
Chloroethane	ND		1.6	ug/m3			06/13/20 19:56	1.18
Chloroform	**5.3**		2.9	ug/m3			06/13/20 19:56	1.18
Chloromethane	ND		1.2	ug/m3			06/13/20 19:56	1.18
Dibromochloromethane	ND		5.0	ug/m3			06/13/20 19:56	1.18
Dichlorodifluoromethane	**3.6**		2.9	ug/m3			06/13/20 19:56	1.18
Dichlorotetrafluoroethane	ND		16	ug/m3			06/13/20 19:56	1.18
Ethylbenzene	ND		2.6	ug/m3			06/13/20 19:56	1.18
Hexachloro-1,3-butadiene	ND		19	ug/m3			06/13/20 19:56	1.18

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SS-1
Date Collected: 06/12/20 08:47
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-4
Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropanol	**88**		15	ug/m3			06/13/20 19:56	1.18
Methylene Chloride	ND		20	ug/m3			06/13/20 19:56	1.18
Methyl-t-Butyl Ether (MTBE)	ND		8.5	ug/m3			06/13/20 19:56	1.18
n-Butylbenzene	ND		9.7	ug/m3			06/13/20 19:56	1.18
o-Xylene	ND		2.6	ug/m3			06/13/20 19:56	1.18
m,p-Xylene	ND		10	ug/m3			06/13/20 19:56	1.18
sec-Butylbenzene	ND		9.7	ug/m3			06/13/20 19:56	1.18
Styrene	ND		7.5	ug/m3			06/13/20 19:56	1.18
trans-1,2-Dichloroethene	ND		2.3	ug/m3			06/13/20 19:56	1.18
trans-1,3-Dichloropropene	ND		5.4	ug/m3			06/13/20 19:56	1.18
tert-Butylbenzene	ND		9.7	ug/m3			06/13/20 19:56	1.18
Tetrachloroethene	**110**		4.0	ug/m3			06/13/20 19:56	1.18
Toluene	ND		2.2	ug/m3			06/13/20 19:56	1.18
Trichloroethene	ND		3.2	ug/m3			06/13/20 19:56	1.18
Trichlorofluoromethane	ND		6.6	ug/m3			06/13/20 19:56	1.18
Vinyl acetate	ND		8.3	ug/m3			06/13/20 19:56	1.18
Vinyl chloride	ND		1.5	ug/m3			06/13/20 19:56	1.18

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*06/13/20 19:56*	*1.18*
4-Bromofluorobenzene (Surr)	*103*		*67 - 131*		*06/13/20 19:56*	*1.18*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/13/20 19:56*	*1.18*

Client Sample ID: SS-7
Date Collected: 06/12/20 09:36
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-5
Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**4.1**		3.4	ug/m3			06/13/20 20:47	1.26
1,1,2,2-Tetrachloroethane	ND		8.6	ug/m3			06/13/20 20:47	1.26
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14	ug/m3			06/13/20 20:47	1.26
1,1,2-Trichloroethane	ND		3.4	ug/m3			06/13/20 20:47	1.26
1,1-Dichloroethane	ND		2.5	ug/m3			06/13/20 20:47	1.26
1,1-Dichloroethene	ND		2.5	ug/m3			06/13/20 20:47	1.26
1,1-Difluoroethane	ND		6.8	ug/m3			06/13/20 20:47	1.26
1,2,4-Trichlorobenzene	ND	*	19	ug/m3			06/13/20 20:47	1.26
1,2,4-Trimethylbenzene	ND		9.3	ug/m3			06/13/20 20:47	1.26
1,2-Dibromo-3-Chloropropane	ND		18	ug/m3			06/13/20 20:47	1.26
1,2-Dibromoethane	ND		4.8	ug/m3			06/13/20 20:47	1.26
1,2-Dichlorobenzene	ND		3.8	ug/m3			06/13/20 20:47	1.26
1,2-Dichloroethane	ND		2.5	ug/m3			06/13/20 20:47	1.26
1,2-Dichloropropane	ND		2.9	ug/m3			06/13/20 20:47	1.26
1,3,5-Trimethylbenzene	ND		3.1	ug/m3			06/13/20 20:47	1.26
1,3-Dichlorobenzene	ND		3.8	ug/m3			06/13/20 20:47	1.26
1,4-Dichlorobenzene	ND		3.8	ug/m3			06/13/20 20:47	1.26
2-Butanone	**11**		5.6	ug/m3			06/13/20 20:47	1.26
2-Hexanone	ND		7.7	ug/m3			06/13/20 20:47	1.26
4-Ethyltoluene	ND		3.1	ug/m3			06/13/20 20:47	1.26
4-Methyl-2-pentanone	ND		7.7	ug/m3			06/13/20 20:47	1.26

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SS-7 — **Lab Sample ID: 570-30828-5**
Date Collected: 06/12/20 09:36 — **Matrix: Air**
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**59**		6.0		ug/m3			06/13/20 20:47	1.26
Benzene	ND		2.0		ug/m3			06/13/20 20:47	1.26
Benzyl chloride	ND		9.8		ug/m3			06/13/20 20:47	1.26
Bromodichloromethane	ND		4.2		ug/m3			06/13/20 20:47	1.26
Bromoform	ND		6.5		ug/m3			06/13/20 20:47	1.26
Bromomethane	ND		2.4		ug/m3			06/13/20 20:47	1.26
cis-1,2-Dichloroethene	ND		2.5		ug/m3			06/13/20 20:47	1.26
cis-1,3-Dichloropropene	ND		2.9		ug/m3			06/13/20 20:47	1.26
Carbon disulfide	ND		7.8		ug/m3			06/13/20 20:47	1.26
Carbon tetrachloride	ND		4.0		ug/m3			06/13/20 20:47	1.26
Chlorobenzene	ND		2.9		ug/m3			06/13/20 20:47	1.26
Chloroethane	ND		1.7		ug/m3			06/13/20 20:47	1.26
Chloroform	ND		3.1		ug/m3			06/13/20 20:47	1.26
Chloromethane	ND		1.3		ug/m3			06/13/20 20:47	1.26
Dibromochloromethane	ND		5.4		ug/m3			06/13/20 20:47	1.26
Dichlorodifluoromethane	ND		3.1		ug/m3			06/13/20 20:47	1.26
Dichlorotetrafluoroethane	ND		18		ug/m3			06/13/20 20:47	1.26
Ethylbenzene	ND		2.7		ug/m3			06/13/20 20:47	1.26
Hexachloro-1,3-butadiene	ND		20		ug/m3			06/13/20 20:47	1.26
Isopropanol	**22**		15		ug/m3			06/13/20 20:47	1.26
Methylene Chloride	ND		22		ug/m3			06/13/20 20:47	1.26
Methyl-t-Butyl Ether (MTBE)	ND		9.1		ug/m3			06/13/20 20:47	1.26
n-Butylbenzene	ND		10		ug/m3			06/13/20 20:47	1.26
o-Xylene	ND		2.7		ug/m3			06/13/20 20:47	1.26
m,p-Xylene	ND		11		ug/m3			06/13/20 20:47	1.26
sec-Butylbenzene	ND		10		ug/m3			06/13/20 20:47	1.26
Styrene	ND		8.1		ug/m3			06/13/20 20:47	1.26
trans-1,2-Dichloroethene	ND		2.5		ug/m3			06/13/20 20:47	1.26
trans-1,3-Dichloropropene	ND		5.7		ug/m3			06/13/20 20:47	1.26
tert-Butylbenzene	ND		10		ug/m3			06/13/20 20:47	1.26
Tetrachloroethene	**32**		4.3		ug/m3			06/13/20 20:47	1.26
Toluene	**5.6**		2.4		ug/m3			06/13/20 20:47	1.26
Trichloroethene	ND		3.4		ug/m3			06/13/20 20:47	1.26
Trichlorofluoromethane	ND		7.1		ug/m3			06/13/20 20:47	1.26
Vinyl acetate	ND		8.9		ug/m3			06/13/20 20:47	1.26
Vinyl chloride	ND		1.6		ug/m3			06/13/20 20:47	1.26

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*06/13/20 20:47*	*1.26*
4-Bromofluorobenzene (Surr)	*95*		*67 - 131*		*06/13/20 20:47*	*1.26*
Toluene-d8 (Surr)	*90*		*70 - 130*		*06/13/20 20:47*	*1.26*

Client Sample ID: SS-2 — **Lab Sample ID: 570-30828-6**
Date Collected: 06/12/20 10:46 — **Matrix: Air**
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**83**		3.4		ug/m3			06/13/20 21:41	1.24
1,1,2,2-Tetrachloroethane	ND		8.5		ug/m3			06/13/20 21:41	1.24

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SS-2
Date Collected: 06/12/20 10:46
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-6
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	**18**		14		ug/m3			06/13/20 21:41	1.24
1,1,2-Trichloroethane	ND		3.4		ug/m3			06/13/20 21:41	1.24
1,1-Dichloroethane	ND		2.5		ug/m3			06/13/20 21:41	1.24
1,1-Dichloroethene	ND		2.5		ug/m3			06/13/20 21:41	1.24
1,1-Difluoroethane	ND		6.7		ug/m3			06/13/20 21:41	1.24
1,2,4-Trichlorobenzene	ND	*	18		ug/m3			06/13/20 21:41	1.24
1,2,4-Trimethylbenzene	ND		9.1		ug/m3			06/13/20 21:41	1.24
1,2-Dibromo-3-Chloropropane	ND		18		ug/m3			06/13/20 21:41	1.24
1,2-Dibromoethane	ND		4.8		ug/m3			06/13/20 21:41	1.24
1,2-Dichlorobenzene	ND		3.7		ug/m3			06/13/20 21:41	1.24
1,2-Dichloroethane	ND		2.5		ug/m3			06/13/20 21:41	1.24
1,2-Dichloropropane	ND		2.9		ug/m3			06/13/20 21:41	1.24
1,3,5-Trimethylbenzene	ND		3.0		ug/m3			06/13/20 21:41	1.24
1,3-Dichlorobenzene	ND		3.7		ug/m3			06/13/20 21:41	1.24
1,4-Dichlorobenzene	ND		3.7		ug/m3			06/13/20 21:41	1.24
2-Butanone	**20**		5.5		ug/m3			06/13/20 21:41	1.24
2-Hexanone	ND		7.6		ug/m3			06/13/20 21:41	1.24
4-Ethyltoluene	ND		3.0		ug/m3			06/13/20 21:41	1.24
4-Methyl-2-pentanone	ND		7.6		ug/m3			06/13/20 21:41	1.24
Acetone	**250**		5.9		ug/m3			06/13/20 21:41	1.24
Benzene	ND		2.0		ug/m3			06/13/20 21:41	1.24
Benzyl chloride	ND		9.6		ug/m3			06/13/20 21:41	1.24
Bromodichloromethane	ND		4.2		ug/m3			06/13/20 21:41	1.24
Bromoform	ND		6.4		ug/m3			06/13/20 21:41	1.24
Bromomethane	ND		2.4		ug/m3			06/13/20 21:41	1.24
cis-1,2-Dichloroethene	ND		2.5		ug/m3			06/13/20 21:41	1.24
cis-1,3-Dichloropropene	ND		2.8		ug/m3			06/13/20 21:41	1.24
Carbon disulfide	ND		7.7		ug/m3			06/13/20 21:41	1.24
Carbon tetrachloride	ND		3.9		ug/m3			06/13/20 21:41	1.24
Chlorobenzene	ND		2.9		ug/m3			06/13/20 21:41	1.24
Chloroethane	ND		1.6		ug/m3			06/13/20 21:41	1.24
Chloroform	ND		3.0		ug/m3			06/13/20 21:41	1.24
Chloromethane	ND		1.3		ug/m3			06/13/20 21:41	1.24
Dibromochloromethane	ND		5.3		ug/m3			06/13/20 21:41	1.24
Dichlorodifluoromethane	**3.2**		3.1		ug/m3			06/13/20 21:41	1.24
Dichlorotetrafluoroethane	ND		17		ug/m3			06/13/20 21:41	1.24
Ethylbenzene	ND		2.7		ug/m3			06/13/20 21:41	1.24
Hexachloro-1,3-butadiene	ND		20		ug/m3			06/13/20 21:41	1.24
Isopropanol	**75**		15		ug/m3			06/13/20 21:41	1.24
Methylene Chloride	ND		22		ug/m3			06/13/20 21:41	1.24
Methyl-t-Butyl Ether (MTBE)	ND		8.9		ug/m3			06/13/20 21:41	1.24
n-Butylbenzene	ND		10		ug/m3			06/13/20 21:41	1.24
o-Xylene	ND		2.7		ug/m3			06/13/20 21:41	1.24
m,p-Xylene	ND		11		ug/m3			06/13/20 21:41	1.24
sec-Butylbenzene	ND		10		ug/m3			06/13/20 21:41	1.24
Styrene	ND		7.9		ug/m3			06/13/20 21:41	1.24
trans-1,2-Dichloroethene	ND		2.5		ug/m3			06/13/20 21:41	1.24
trans-1,3-Dichloropropene	ND		5.6		ug/m3			06/13/20 21:41	1.24

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SS-2
Date Collected: 06/12/20 10:46
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-6
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		10		ug/m3			06/13/20 21:41	1.24
Tetrachloroethene	**240**		4.2		ug/m3			06/13/20 21:41	1.24
Toluene	ND		2.3		ug/m3			06/13/20 21:41	1.24
Trichloroethene	ND		3.3		ug/m3			06/13/20 21:41	1.24
Trichlorofluoromethane	ND		7.0		ug/m3			06/13/20 21:41	1.24
Vinyl acetate	ND		8.7		ug/m3			06/13/20 21:41	1.24
Vinyl chloride	ND		1.6		ug/m3			06/13/20 21:41	1.24

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*06/13/20 21:41*	*1.24*
4-Bromofluorobenzene (Surr)	*102*		*67 - 131*		*06/13/20 21:41*	*1.24*
Toluene-d8 (Surr)	*91*		*70 - 130*		*06/13/20 21:41*	*1.24*

Client Sample ID: SS-6
Date Collected: 06/12/20 12:01
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-7
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.2		ug/m3			06/13/20 22:30	1.19
1,1,2,2-Tetrachloroethane	ND		8.2		ug/m3			06/13/20 22:30	1.19
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14		ug/m3			06/13/20 22:30	1.19
1,1,2-Trichloroethane	ND		3.2		ug/m3			06/13/20 22:30	1.19
1,1-Dichloroethane	ND		2.4		ug/m3			06/13/20 22:30	1.19
1,1-Dichloroethene	ND		2.4		ug/m3			06/13/20 22:30	1.19
1,1-Difluoroethane	ND		6.4		ug/m3			06/13/20 22:30	1.19
1,2,4-Trichlorobenzene	ND	*	18		ug/m3			06/13/20 22:30	1.19
1,2,4-Trimethylbenzene	ND		8.8		ug/m3			06/13/20 22:30	1.19
1,2-Dibromo-3-Chloropropane	ND		17		ug/m3			06/13/20 22:30	1.19
1,2-Dibromoethane	ND		4.6		ug/m3			06/13/20 22:30	1.19
1,2-Dichlorobenzene	ND		3.6		ug/m3			06/13/20 22:30	1.19
1,2-Dichloroethane	ND		2.4		ug/m3			06/13/20 22:30	1.19
1,2-Dichloropropane	ND		2.7		ug/m3			06/13/20 22:30	1.19
1,3,5-Trimethylbenzene	ND		2.9		ug/m3			06/13/20 22:30	1.19
1,3-Dichlorobenzene	ND		3.6		ug/m3			06/13/20 22:30	1.19
1,4-Dichlorobenzene	ND		3.6		ug/m3			06/13/20 22:30	1.19
2-Butanone	**12**		5.3		ug/m3			06/13/20 22:30	1.19
2-Hexanone	ND		7.3		ug/m3			06/13/20 22:30	1.19
4-Ethyltoluene	ND		2.9		ug/m3			06/13/20 22:30	1.19
4-Methyl-2-pentanone	ND		7.3		ug/m3			06/13/20 22:30	1.19
Acetone	**65**		5.7		ug/m3			06/13/20 22:30	1.19
Benzene	ND		1.9		ug/m3			06/13/20 22:30	1.19
Benzyl chloride	ND		9.2		ug/m3			06/13/20 22:30	1.19
Bromodichloromethane	ND		4.0		ug/m3			06/13/20 22:30	1.19
Bromoform	ND		6.2		ug/m3			06/13/20 22:30	1.19
Bromomethane	ND		2.3		ug/m3			06/13/20 22:30	1.19
cis-1,2-Dichloroethene	ND		2.4		ug/m3			06/13/20 22:30	1.19
cis-1,3-Dichloropropene	ND		2.7		ug/m3			06/13/20 22:30	1.19
Carbon disulfide	ND		7.4		ug/m3			06/13/20 22:30	1.19
Carbon tetrachloride	ND		3.7		ug/m3			06/13/20 22:30	1.19

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SS-6
Date Collected: 06/12/20 12:01
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-7
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		2.7		ug/m3			06/13/20 22:30	1.19
Chloroethane	ND		1.6		ug/m3			06/13/20 22:30	1.19
Chloroform	ND		2.9		ug/m3			06/13/20 22:30	1.19
Chloromethane	ND		1.2		ug/m3			06/13/20 22:30	1.19
Dibromochloromethane	ND		5.1		ug/m3			06/13/20 22:30	1.19
Dichlorodifluoromethane	**3.2**		2.9		ug/m3			06/13/20 22:30	1.19
Dichlorotetrafluoroethane	ND		17		ug/m3			06/13/20 22:30	1.19
Ethylbenzene	ND		2.6		ug/m3			06/13/20 22:30	1.19
Hexachloro-1,3-butadiene	ND		19		ug/m3			06/13/20 22:30	1.19
Isopropanol	**33**		15		ug/m3			06/13/20 22:30	1.19
Methylene Chloride	ND		21		ug/m3			06/13/20 22:30	1.19
Methyl-t-Butyl Ether (MTBE)	ND		8.6		ug/m3			06/13/20 22:30	1.19
n-Butylbenzene	ND		9.8		ug/m3			06/13/20 22:30	1.19
o-Xylene	ND		2.6		ug/m3			06/13/20 22:30	1.19
m,p-Xylene	ND		10		ug/m3			06/13/20 22:30	1.19
sec-Butylbenzene	ND		9.8		ug/m3			06/13/20 22:30	1.19
Styrene	ND		7.6		ug/m3			06/13/20 22:30	1.19
trans-1,2-Dichloroethene	ND		2.4		ug/m3			06/13/20 22:30	1.19
trans-1,3-Dichloropropene	ND		5.4		ug/m3			06/13/20 22:30	1.19
tert-Butylbenzene	ND		9.8		ug/m3			06/13/20 22:30	1.19
Tetrachloroethene	**5.5**		4.0		ug/m3			06/13/20 22:30	1.19
Toluene	**2.8**		2.2		ug/m3			06/13/20 22:30	1.19
Trichloroethene	ND		3.2		ug/m3			06/13/20 22:30	1.19
Trichlorofluoromethane	ND		6.7		ug/m3			06/13/20 22:30	1.19
Vinyl acetate	ND		8.4		ug/m3			06/13/20 22:30	1.19
Vinyl chloride	ND		1.5		ug/m3			06/13/20 22:30	1.19

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*06/13/20 22:30*	*1.19*
4-Bromofluorobenzene (Surr)	*94*		*67 - 131*		*06/13/20 22:30*	*1.19*
Toluene-d8 (Surr)	*96*		*70 - 130*		*06/13/20 22:30*	*1.19*

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Client Sample ID: SS-5
Date Collected: 06/11/20 17:20
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-2
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	780		21		ug/m3			06/15/20 18:26	4.475

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*06/15/20 18:26*	*4.475*
4-Bromofluorobenzene (Surr)	*93*		*67 - 131*		*06/15/20 18:26*	*4.475*
Toluene-d8 (Surr)	*99*		*70 - 130*		*06/15/20 18:26*	*4.475*

Client Sample ID: SS-1
Date Collected: 06/12/20 08:47
Date Received: 06/12/20 15:57
Sample Container: Summa Canister 1L

Lab Sample ID: 570-30828-4
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	360		12		ug/m3			06/15/20 19:15	2.52

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*06/15/20 19:15*	*2.52*
4-Bromofluorobenzene (Surr)	*97*		*67 - 131*		*06/15/20 19:15*	*2.52*
Toluene-d8 (Surr)	*102*		*70 - 130*		*06/15/20 19:15*	*2.52*

Surrogate Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(70-130)	(67-131)	(70-130)
570-30828-1	SS-3	91	93	96
570-30828-2	SS-5	92	95	101
570-30828-2 - DL	SS-5	104	93	99
570-30828-3	SS-4	95	89	97
570-30828-4	SS-1	99	103	100
570-30828-4 - DL	SS-1	107	97	102
570-30828-5	SS-7	96	95	90
570-30828-6	SS-2	96	102	91
570-30828-7	SS-6	99	94	96
LCS 570-75202/3	Lab Control Sample	89	95	100
LCS 570-75427/3	Lab Control Sample	102	99	100
LCSD 570-75202/4	Lab Control Sample Dup	88	94	99
LCSD 570-75427/4	Lab Control Sample Dup	99	98	98
MB 570-75202/6	Method Blank	91	93	100
MB 570-75427/6	Method Blank	102	97	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 570-75202/6
Matrix: Air
Analysis Batch: 75202

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			06/13/20 13:50	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			06/13/20 13:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			06/13/20 13:50	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			06/13/20 13:50	1
1,1-Dichloroethane	ND		2.0		ug/m3			06/13/20 13:50	1
1,1-Dichloroethene	ND		2.0		ug/m3			06/13/20 13:50	1
1,1-Difluoroethane	ND		5.4		ug/m3			06/13/20 13:50	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/20 13:50	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			06/13/20 13:50	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			06/13/20 13:50	1
1,2-Dibromoethane	ND		3.8		ug/m3			06/13/20 13:50	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			06/13/20 13:50	1
1,2-Dichloroethane	ND		2.0		ug/m3			06/13/20 13:50	1
1,2-Dichloropropane	ND		2.3		ug/m3			06/13/20 13:50	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			06/13/20 13:50	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			06/13/20 13:50	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			06/13/20 13:50	1
2-Butanone	ND		4.4		ug/m3			06/13/20 13:50	1
2-Hexanone	ND		6.1		ug/m3			06/13/20 13:50	1
4-Ethyltoluene	ND		2.5		ug/m3			06/13/20 13:50	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			06/13/20 13:50	1
Acetone	ND		4.8		ug/m3			06/13/20 13:50	1
Benzene	ND		1.6		ug/m3			06/13/20 13:50	1
Benzyl chloride	ND		7.8		ug/m3			06/13/20 13:50	1
Bromodichloromethane	ND		3.4		ug/m3			06/13/20 13:50	1
Bromoform	ND		5.2		ug/m3			06/13/20 13:50	1
Bromomethane	ND		1.9		ug/m3			06/13/20 13:50	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			06/13/20 13:50	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			06/13/20 13:50	1
Carbon disulfide	ND		6.2		ug/m3			06/13/20 13:50	1
Carbon tetrachloride	ND		3.1		ug/m3			06/13/20 13:50	1
Chlorobenzene	ND		2.3		ug/m3			06/13/20 13:50	1
Chloroethane	ND		1.3		ug/m3			06/13/20 13:50	1
Chloroform	ND		2.4		ug/m3			06/13/20 13:50	1
Chloromethane	ND		1.0		ug/m3			06/13/20 13:50	1
Dibromochloromethane	ND		4.3		ug/m3			06/13/20 13:50	1
Dichlorodifluoromethane	ND		2.5		ug/m3			06/13/20 13:50	1
Dichlorotetrafluoroethane	ND		14		ug/m3			06/13/20 13:50	1
Ethylbenzene	ND		2.2		ug/m3			06/13/20 13:50	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			06/13/20 13:50	1
Isopropanol	ND		12		ug/m3			06/13/20 13:50	1
Methylene Chloride	ND		17		ug/m3			06/13/20 13:50	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			06/13/20 13:50	1
n-Butylbenzene	ND		8.2		ug/m3			06/13/20 13:50	1
o-Xylene	ND		2.2		ug/m3			06/13/20 13:50	1
m,p-Xylene	ND		8.7		ug/m3			06/13/20 13:50	1
sec-Butylbenzene	ND		8.2		ug/m3			06/13/20 13:50	1
Styrene	ND		6.4		ug/m3			06/13/20 13:50	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-75202/6
Matrix: Air
Analysis Batch: 75202

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0		ug/m3			06/13/20 13:50	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			06/13/20 13:50	1
tert-Butylbenzene	ND		8.2		ug/m3			06/13/20 13:50	1
Tetrachloroethene	ND		3.4		ug/m3			06/13/20 13:50	1
Toluene	ND		1.9		ug/m3			06/13/20 13:50	1
Trichloroethene	ND		2.7		ug/m3			06/13/20 13:50	1
Trichlorofluoromethane	ND		5.6		ug/m3			06/13/20 13:50	1
Vinyl acetate	ND		7.0		ug/m3			06/13/20 13:50	1
Vinyl chloride	ND		1.3		ug/m3			06/13/20 13:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*06/13/20 13:50*	*1*
4-Bromofluorobenzene (Surr)	*93*		*67 - 131*		*06/13/20 13:50*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/13/20 13:50*	*1*

Lab Sample ID: LCS 570-75202/3
Matrix: Air
Analysis Batch: 75202

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	136	139.0		ug/m3		102	70 - 137
1,1,2,2-Tetrachloroethane	172	185.1		ug/m3		108	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	192	204.6		ug/m3		107	70 - 130
1,1,2-Trichloroethane	136	152.5		ug/m3		112	70 - 130
1,1-Dichloroethane	101	103.8		ug/m3		103	70 - 131
1,1-Dichloroethene	99.1	98.69		ug/m3		100	70 - 130
1,1-Difluoroethane	67.5	58.70		ug/m3		87	60 - 130
1,2,4-Trichlorobenzene	186	265.9	*	ug/m3		143	56 - 130
1,2,4-Trimethylbenzene	123	130.6		ug/m3		106	70 - 130
1,2-Dibromo-3-Chloropropane	242	279.6		ug/m3		116	68 - 130
1,2-Dibromoethane	192	216.3		ug/m3		113	70 - 130
1,2-Dichlorobenzene	150	172.2		ug/m3		115	70 - 130
1,2-Dichloroethane	101	99.55		ug/m3		98	70 - 134
1,2-Dichloropropane	116	123.9		ug/m3		107	70 - 130
1,3,5-Trimethylbenzene	123	128.7		ug/m3		105	70 - 130
1,3-Dichlorobenzene	150	180.2		ug/m3		120	69 - 132
1,4-Dichlorobenzene	150	185.5		ug/m3		123	67 - 132
2-Butanone	73.7	73.72		ug/m3		100	64 - 143
2-Hexanone	102	119.2		ug/m3		116	59 - 140
4-Ethyltoluene	123	137.1		ug/m3		112	70 - 130
4-Methyl-2-pentanone	102	112.4		ug/m3		110	64 - 133
Acetone	59.4	60.03		ug/m3		101	69 - 146
Benzene	79.9	92.78		ug/m3		116	70 - 133
Benzyl chloride	129	143.1		ug/m3		111	63 - 130
Bromodichloromethane	168	180.7		ug/m3		108	70 - 130
Bromoform	258	291.9		ug/m3		113	70 - 132
Bromomethane	97.1	107.1		ug/m3		110	70 - 137
cis-1,2-Dichloroethene	99.1	110.6		ug/m3		112	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-75202/3
Matrix: Air
Analysis Batch: 75202

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	113	125.6		ug/m3		111	70 - 130
Carbon disulfide	77.9	83.35		ug/m3		107	70 - 150
Carbon tetrachloride	157	162.8		ug/m3		104	70 - 130
Chlorobenzene	115	124.1		ug/m3		108	70 - 130
Chloroethane	66.0	69.54		ug/m3		105	70 - 137
Chloroform	122	126.2		ug/m3		103	70 - 132
Chloromethane	51.6	49.89		ug/m3		97	65 - 142
Dibromochloromethane	213	228.0		ug/m3		107	70 - 130
Dichlorodifluoromethane	124	122.9		ug/m3		99	70 - 142
Dichlorotetrafluoroethane	175	179.3		ug/m3		103	70 - 137
Ethylbenzene	109	115.7		ug/m3		107	70 - 130
Hexachloro-1,3-butadiene	267	297.7		ug/m3		112	55 - 130
Isopropanol	61.5	60.75		ug/m3		99	60 - 130
Methylene Chloride	86.8	91.29		ug/m3		105	70 - 130
Methyl-t-Butyl Ether (MTBE)	90.1	95.32		ug/m3		106	70 - 132
n-Butylbenzene	137	140.1		ug/m3		102	70 - 130
o-Xylene	109	116.2		ug/m3		107	70 - 130
m,p-Xylene	217	232.4		ug/m3		107	70 - 130
sec-Butylbenzene	137	134.2		ug/m3		98	70 - 130
Styrene	106	116.6		ug/m3		110	70 - 130
trans-1,2-Dichloroethene	99.1	108.7		ug/m3		110	70 - 140
trans-1,3-Dichloropropene	113	126.5		ug/m3		112	70 - 130
tert-Butylbenzene	137	135.9		ug/m3		99	70 - 130
Tetrachloroethene	170	185.8		ug/m3		110	70 - 130
Toluene	94.2	107.1		ug/m3		114	70 - 130
Trichloroethene	134	147.3		ug/m3		110	70 - 130
Trichlorofluoromethane	140	145.7		ug/m3		104	70 - 143
Vinyl acetate	88.0	91.73		ug/m3		104	67 - 138
Vinyl chloride	63.9	63.75		ug/m3		100	70 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*67 - 131*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 570-75202/4
Matrix: Air
Analysis Batch: 75202

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	136	138.4		ug/m3		101	70 - 137	0	25
1,1,2,2-Tetrachloroethane	172	186.8		ug/m3		109	70 - 130	1	25
1,1,2-Trichloro-1,2,2-trifluoroethane	192	205.0		ug/m3		107	70 - 130	0	25
1,1,2-Trichloroethane	136	153.5		ug/m3		112	70 - 130	1	25
1,1-Dichloroethane	101	104.1		ug/m3		103	70 - 131	0	25
1,1-Dichloroethene	99.1	98.88		ug/m3		100	70 - 130	0	25
1,1-Difluoroethane	67.5	58.50		ug/m3		87	60 - 130	0	25
1,2,4-Trichlorobenzene	186	267.7	*	ug/m3		144	56 - 130	1	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-75202/4
Matrix: Air
Analysis Batch: 75202

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	123	130.8		ug/m3		106	70 - 130	0	25
1,2-Dibromo-3-Chloropropane	242	281.6		ug/m3		117	68 - 130	1	25
1,2-Dibromoethane	192	216.9		ug/m3		113	70 - 130	0	25
1,2-Dichlorobenzene	150	177.7		ug/m3		118	70 - 130	3	25
1,2-Dichloroethane	101	98.51		ug/m3		97	70 - 134	1	25
1,2-Dichloropropane	116	123.2		ug/m3		107	70 - 130	1	25
1,3,5-Trimethylbenzene	123	127.1		ug/m3		103	70 - 130	1	25
1,3-Dichlorobenzene	150	184.4		ug/m3		123	69 - 132	2	25
1,4-Dichlorobenzene	150	191.0		ug/m3		127	67 - 132	3	25
2-Butanone	73.7	73.31		ug/m3		99	64 - 143	1	25
2-Hexanone	102	113.6		ug/m3		111	59 - 140	5	25
4-Ethyltoluene	123	139.9		ug/m3		114	70 - 130	2	25
4-Methyl-2-pentanone	102	113.1		ug/m3		110	64 - 133	1	25
Acetone	59.4	60.52		ug/m3		102	69 - 146	1	25
Benzene	79.9	93.81		ug/m3		117	70 - 133	1	25
Benzyl chloride	129	150.7		ug/m3		116	63 - 130	5	25
Bromodichloromethane	168	179.9		ug/m3		107	70 - 130	0	25
Bromoform	258	292.8		ug/m3		113	70 - 132	0	25
Bromomethane	97.1	107.1		ug/m3		110	70 - 137	0	25
cis-1,2-Dichloroethene	99.1	110.6		ug/m3		112	70 - 130	0	25
cis-1,3-Dichloropropene	113	124.1		ug/m3		109	70 - 130	1	25
Carbon disulfide	77.9	83.22		ug/m3		107	70 - 150	0	25
Carbon tetrachloride	157	162.2		ug/m3		103	70 - 130	0	25
Chlorobenzene	115	123.8		ug/m3		108	70 - 130	0	25
Chloroethane	66.0	68.91		ug/m3		104	70 - 137	1	25
Chloroform	122	125.9		ug/m3		103	70 - 132	0	25
Chloromethane	51.6	50.25		ug/m3		97	65 - 142	1	25
Dibromochloromethane	213	227.5		ug/m3		107	70 - 130	0	25
Dichlorodifluoromethane	124	124.2		ug/m3		100	70 - 142	1	25
Dichlorotetrafluoroethane	175	179.9		ug/m3		103	70 - 137	0	25
Ethylbenzene	109	115.9		ug/m3		107	70 - 130	0	25
Hexachloro-1,3-butadiene	267	297.7		ug/m3		112	55 - 130	0	25
Isopropanol	61.5	58.69		ug/m3		96	60 - 130	3	25
Methylene Chloride	86.8	91.11		ug/m3		105	70 - 130	0	25
Methyl-t-Butyl Ether (MTBE)	90.1	95.21		ug/m3		106	70 - 132	0	25
n-Butylbenzene	137	142.0		ug/m3		103	70 - 130	1	25
o-Xylene	109	115.4		ug/m3		106	70 - 130	1	25
m,p-Xylene	217	233.5		ug/m3		108	70 - 130	0	25
sec-Butylbenzene	137	134.9		ug/m3		98	70 - 130	1	25
Styrene	106	115.8		ug/m3		109	70 - 130	1	25
trans-1,2-Dichloroethene	99.1	111.3		ug/m3		112	70 - 140	2	25
trans-1,3-Dichloropropene	113	125.8		ug/m3		111	70 - 130	1	25
tert-Butylbenzene	137	135.3		ug/m3		99	70 - 130	0	25
Tetrachloroethene	170	185.8		ug/m3		110	70 - 130	0	25
Toluene	94.2	106.5		ug/m3		113	70 - 130	1	25
Trichloroethene	134	146.5		ug/m3		109	70 - 130	1	25
Trichlorofluoromethane	140	145.8		ug/m3		104	70 - 143	0	25
Vinyl acetate	88.0	91.48		ug/m3		104	67 - 138	0	25
Vinyl chloride	63.9	64.22		ug/m3		100	70 - 133	1	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*67 - 131*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 570-75427/6
Matrix: Air
Analysis Batch: 75427

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			06/15/20 15:03	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			06/15/20 15:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			06/15/20 15:03	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			06/15/20 15:03	1
1,1-Dichloroethane	ND		2.0		ug/m3			06/15/20 15:03	1
1,1-Dichloroethene	ND		2.0		ug/m3			06/15/20 15:03	1
1,1-Difluoroethane	ND		5.4		ug/m3			06/15/20 15:03	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/15/20 15:03	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			06/15/20 15:03	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			06/15/20 15:03	1
1,2-Dibromoethane	ND		3.8		ug/m3			06/15/20 15:03	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			06/15/20 15:03	1
1,2-Dichloroethane	ND		2.0		ug/m3			06/15/20 15:03	1
1,2-Dichloropropane	ND		2.3		ug/m3			06/15/20 15:03	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			06/15/20 15:03	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			06/15/20 15:03	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			06/15/20 15:03	1
2-Butanone	ND		4.4		ug/m3			06/15/20 15:03	1
2-Hexanone	ND		6.1		ug/m3			06/15/20 15:03	1
4-Ethyltoluene	ND		2.5		ug/m3			06/15/20 15:03	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			06/15/20 15:03	1
Acetone	ND		4.8		ug/m3			06/15/20 15:03	1
Benzene	ND		1.6		ug/m3			06/15/20 15:03	1
Benzyl chloride	ND		7.8		ug/m3			06/15/20 15:03	1
Bromodichloromethane	ND		3.4		ug/m3			06/15/20 15:03	1
Bromoform	ND		5.2		ug/m3			06/15/20 15:03	1
Bromomethane	ND		1.9		ug/m3			06/15/20 15:03	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			06/15/20 15:03	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			06/15/20 15:03	1
Carbon disulfide	ND		6.2		ug/m3			06/15/20 15:03	1
Carbon tetrachloride	ND		3.1		ug/m3			06/15/20 15:03	1
Chlorobenzene	ND		2.3		ug/m3			06/15/20 15:03	1
Chloroethane	ND		1.3		ug/m3			06/15/20 15:03	1
Chloroform	ND		2.4		ug/m3			06/15/20 15:03	1
Chloromethane	ND		1.0		ug/m3			06/15/20 15:03	1
Dibromochloromethane	ND		4.3		ug/m3			06/15/20 15:03	1
Dichlorodifluoromethane	ND		2.5		ug/m3			06/15/20 15:03	1
Dichlorotetrafluoroethane	ND		14		ug/m3			06/15/20 15:03	1
Ethylbenzene	ND		2.2		ug/m3			06/15/20 15:03	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			06/15/20 15:03	1
Isopropanol	ND		12		ug/m3			06/15/20 15:03	1
Methylene Chloride	ND		17		ug/m3			06/15/20 15:03	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-75427/6
Matrix: Air
Analysis Batch: 75427

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			06/15/20 15:03	1
n-Butylbenzene	ND		8.2		ug/m3			06/15/20 15:03	1
o-Xylene	ND		2.2		ug/m3			06/15/20 15:03	1
m,p-Xylene	ND		8.7		ug/m3			06/15/20 15:03	1
sec-Butylbenzene	ND		8.2		ug/m3			06/15/20 15:03	1
Styrene	ND		6.4		ug/m3			06/15/20 15:03	1
trans-1,2-Dichloroethene	ND		2.0		ug/m3			06/15/20 15:03	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			06/15/20 15:03	1
tert-Butylbenzene	ND		8.2		ug/m3			06/15/20 15:03	1
Tetrachloroethene	ND		3.4		ug/m3			06/15/20 15:03	1
Toluene	ND		1.9		ug/m3			06/15/20 15:03	1
Trichloroethene	ND		2.7		ug/m3			06/15/20 15:03	1
Trichlorofluoromethane	ND		5.6		ug/m3			06/15/20 15:03	1
Vinyl acetate	ND		7.0		ug/m3			06/15/20 15:03	1
Vinyl chloride	ND		1.3		ug/m3			06/15/20 15:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*06/15/20 15:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*67 - 131*		*06/15/20 15:03*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*06/15/20 15:03*	*1*

Lab Sample ID: LCS 570-75427/3
Matrix: Air
Analysis Batch: 75427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	136	150.4		ug/m3		110	70 - 137
1,1,2,2-Tetrachloroethane	172	178.8		ug/m3		104	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	192	224.0		ug/m3		117	70 - 130
1,1,2-Trichloroethane	136	150.8		ug/m3		111	70 - 130
1,1-Dichloroethane	101	104.0		ug/m3		103	70 - 131
1,1-Dichloroethene	99.1	111.0		ug/m3		112	70 - 130
1,1-Difluoroethane	67.5	65.07		ug/m3		96	60 - 130
1,2,4-Trimethylbenzene	123	135.2		ug/m3		110	70 - 130
1,2-Dibromo-3-Chloropropane	242	294.6		ug/m3		122	68 - 130
1,2-Dibromoethane	192	214.3		ug/m3		112	70 - 130
1,2-Dichlorobenzene	150	177.5		ug/m3		118	70 - 130
1,2-Dichloroethane	101	112.5		ug/m3		111	70 - 134
1,2-Dichloropropane	116	117.9		ug/m3		102	70 - 130
1,3,5-Trimethylbenzene	123	129.1		ug/m3		105	70 - 130
1,3-Dichlorobenzene	150	182.5		ug/m3		121	69 - 132
1,4-Dichlorobenzene	150	189.1		ug/m3		126	67 - 132
2-Butanone	73.7	72.94		ug/m3		99	64 - 143
2-Hexanone	102	105.5		ug/m3		103	59 - 140
4-Ethyltoluene	123	138.7		ug/m3		113	70 - 130
4-Methyl-2-pentanone	102	108.2		ug/m3		106	64 - 133
Acetone	59.4	63.81		ug/m3		107	69 - 146
Benzene	79.9	89.23		ug/m3		112	70 - 133

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-75427/3
Matrix: Air
Analysis Batch: 75427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzyl chloride	129	157.1		ug/m3		121	63 - 130
Bromodichloromethane	168	196.3		ug/m3		117	70 - 130
Bromoform	258	309.0		ug/m3		120	70 - 132
Bromomethane	97.1	115.0		ug/m3		118	70 - 137
cis-1,2-Dichloroethene	99.1	105.3		ug/m3		106	70 - 130
cis-1,3-Dichloropropene	113	125.4		ug/m3		110	70 - 130
Carbon disulfide	77.9	86.82		ug/m3		112	70 - 150
Carbon tetrachloride	157	188.6		ug/m3		120	70 - 130
Chlorobenzene	115	121.2		ug/m3		105	70 - 130
Chloroethane	66.0	74.03		ug/m3		112	70 - 137
Chloroform	122	130.2		ug/m3		107	70 - 132
Chloromethane	51.6	53.85		ug/m3		104	65 - 142
Dibromochloromethane	213	239.4		ug/m3		112	70 - 130
Dichlorodifluoromethane	124	148.5		ug/m3		120	70 - 142
Dichlorotetrafluoroethane	175	203.0		ug/m3		116	70 - 137
Ethylbenzene	109	113.7		ug/m3		105	70 - 130
Hexachloro-1,3-butadiene	267	314.4		ug/m3		118	55 - 130
Isopropanol	61.5	66.20		ug/m3		108	60 - 130
Methylene Chloride	86.8	93.59		ug/m3		108	70 - 130
Methyl-t-Butyl Ether (MTBE)	90.1	95.46		ug/m3		106	70 - 132
n-Butylbenzene	137	147.6		ug/m3		108	70 - 130
o-Xylene	109	118.4		ug/m3		109	70 - 130
m,p-Xylene	217	237.9		ug/m3		110	70 - 130
sec-Butylbenzene	137	138.7		ug/m3		101	70 - 130
Styrene	106	114.9		ug/m3		108	70 - 130
trans-1,2-Dichloroethene	99.1	105.8		ug/m3		107	70 - 140
trans-1,3-Dichloropropene	113	133.0		ug/m3		117	70 - 130
tert-Butylbenzene	137	142.1		ug/m3		104	70 - 130
Tetrachloroethene	170	184.6		ug/m3		109	70 - 130
Toluene	94.2	101.1		ug/m3		107	70 - 130
Trichloroethene	134	149.0		ug/m3		111	70 - 130
Trichlorofluoromethane	140	177.1		ug/m3		126	70 - 143
Vinyl acetate	88.0	91.06		ug/m3		103	67 - 138
Vinyl chloride	63.9	68.12		ug/m3		107	70 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*67 - 131*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 570-75427/4
Matrix: Air
Analysis Batch: 75427

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	136	156.1		ug/m3		114	70 - 137	4	25
1,1,2,2-Tetrachloroethane	172	192.3		ug/m3		112	70 - 130	7	25
1,1,2-Trichloro-1,2,2-trifluoroethane	192	227.1		ug/m3		119	70 - 130	1	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-75427/4
Matrix: Air
Analysis Batch: 75427

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloroethane	136	156.0		ug/m3		114	70 - 130	3	25
1,1-Dichloroethane	101	109.0		ug/m3		108	70 - 131	5	25
1,1-Dichloroethene	99.1	113.7		ug/m3		115	70 - 130	2	25
1,1-Difluoroethane	67.5	66.89		ug/m3		99	60 - 130	3	25
1,2,4-Trimethylbenzene	123	144.0		ug/m3		117	70 - 130	6	25
1,2-Dibromo-3-Chloropropane	242	311.8		ug/m3		129	68 - 130	6	25
1,2-Dibromoethane	192	226.9		ug/m3		118	70 - 130	6	25
1,2-Dichlorobenzene	150	191.6		ug/m3		127	70 - 130	8	25
1,2-Dichloroethane	101	115.7		ug/m3		114	70 - 134	3	25
1,2-Dichloropropane	116	123.7		ug/m3		107	70 - 130	5	25
1,3,5-Trimethylbenzene	123	137.8		ug/m3		112	70 - 130	6	25
1,3-Dichlorobenzene	150	196.6		ug/m3		131	69 - 132	7	25
1,4-Dichlorobenzene	150	203.3	* me	ug/m3		135	67 - 132	7	25
2-Butanone	73.7	77.06		ug/m3		105	64 - 143	6	25
2-Hexanone	102	113.1		ug/m3		110	59 - 140	7	25
4-Ethyltoluene	123	146.8		ug/m3		119	70 - 130	6	25
4-Methyl-2-pentanone	102	112.1		ug/m3		109	64 - 133	4	25
Acetone	59.4	64.98		ug/m3		109	69 - 146	2	25
Benzene	79.9	92.99		ug/m3		116	70 - 133	4	25
Benzyl chloride	129	164.9		ug/m3		127	63 - 130	5	25
Bromodichloromethane	168	200.3		ug/m3		120	70 - 130	2	25
Bromoform	258	322.5		ug/m3		125	70 - 132	4	25
Bromomethane	97.1	118.1		ug/m3		122	70 - 137	3	25
cis-1,2-Dichloroethene	99.1	110.9		ug/m3		112	70 - 130	5	25
cis-1,3-Dichloropropene	113	129.9		ug/m3		114	70 - 130	4	25
Carbon disulfide	77.9	88.93		ug/m3		114	70 - 150	2	25
Carbon tetrachloride	157	192.4		ug/m3		122	70 - 130	2	25
Chlorobenzene	115	129.2		ug/m3		112	70 - 130	6	25
Chloroethane	66.0	75.91		ug/m3		115	70 - 137	3	25
Chloroform	122	136.0		ug/m3		111	70 - 132	4	25
Chloromethane	51.6	55.28		ug/m3		107	65 - 142	3	25
Dibromochloromethane	213	252.1		ug/m3		118	70 - 130	5	25
Dichlorodifluoromethane	124	150.4		ug/m3		122	70 - 142	1	25
Dichlorotetrafluoroethane	175	206.4		ug/m3		118	70 - 137	2	25
Ethylbenzene	109	121.2		ug/m3		112	70 - 130	6	25
Hexachloro-1,3-butadiene	267	345.3		ug/m3		129	55 - 130	9	25
Isopropanol	61.5	67.56		ug/m3		110	60 - 130	2	25
Methylene Chloride	86.8	96.67		ug/m3		111	70 - 130	3	25
Methyl-t-Butyl Ether (MTBE)	90.1	99.61		ug/m3		111	70 - 132	4	25
n-Butylbenzene	137	155.4		ug/m3		113	70 - 130	5	25
o-Xylene	109	125.0		ug/m3		115	70 - 130	5	25
m,p-Xylene	217	250.3		ug/m3		115	70 - 130	5	25
sec-Butylbenzene	137	146.0		ug/m3		106	70 - 130	5	25
Styrene	106	119.9		ug/m3		113	70 - 130	4	25
trans-1,2-Dichloroethene	99.1	112.2		ug/m3		113	70 - 140	6	25
trans-1,3-Dichloropropene	113	136.7		ug/m3		121	70 - 130	3	25
tert-Butylbenzene	137	148.9		ug/m3		108	70 - 130	5	25
Tetrachloroethene	170	197.1		ug/m3		116	70 - 130	7	25
Toluene	94.2	107.4		ug/m3		114	70 - 130	6	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-75427/4
Matrix: Air
Analysis Batch: 75427

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			134	153.8		ug/m3		114	70 - 130	3	25
Trichlorofluoromethane			140	179.0		ug/m3		127	70 - 143	1	25
Vinyl acetate			88.0	93.55		ug/m3		106	67 - 138	3	25
Vinyl chloride			63.9	70.60		ug/m3		110	70 - 133	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*67 - 131*
Toluene-d8 (Surr)	*98*		*70 - 130*

Marginal Exceedance (ME) Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: LCS 570-75202/3
Matrix: Air

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
1,1,1-Trichloroethane	136	139.0		ug/m3	102	70 - 137	59 - 148	
1,1,2,2-Tetrachloroethane	172	185.1		ug/m3	108	70 - 130	60 - 140	
1,1,2-Trichloro-1,2,2-trifluoroethane	192	204.6		ug/m3	107	70 - 130	60 - 140	
1,1,2-Trichloroethane	136	152.5		ug/m3	112	70 - 130	60 - 140	
1,1-Dichloroethane	101	103.8		ug/m3	103	70 - 131	60 - 141	
1,1-Dichloroethene	99.1	98.69		ug/m3	100	70 - 130	60 - 140	
1,1-Difluoroethane	67.5	58.70		ug/m3	87	60 - 130	48 - 142	
1,2,4-Trichlorobenzene	186	265.9	*	ug/m3	143	56 - 130	44 - 142	X
1,2,4-Trimethylbenzene	123	130.6		ug/m3	106	70 - 130	60 - 140	
1,2-Dibromo-3-Chloropropane	242	279.6		ug/m3	116	68 - 130	58 - 140	
1,2-Dibromoethane	192	216.3		ug/m3	113	70 - 130	60 - 140	
1,2-Dichlorobenzene	150	172.2		ug/m3	115	70 - 130	60 - 140	
1,2-Dichloroethane	101	99.55		ug/m3	98	70 - 134	59 - 145	
1,2-Dichloropropane	116	123.9		ug/m3	107	70 - 130	60 - 140	
1,3,5-Trimethylbenzene	123	128.7		ug/m3	105	70 - 130	60 - 140	
1,3-Dichlorobenzene	150	180.2		ug/m3	120	69 - 132	59 - 143	
1,4-Dichlorobenzene	150	185.5		ug/m3	123	67 - 132	56 - 143	
2-Butanone	73.7	73.72		ug/m3	100	64 - 143	51 - 156	
2-Hexanone	102	119.2		ug/m3	116	59 - 140	46 - 154	
4-Ethyltoluene	123	137.1		ug/m3	112	70 - 130	60 - 140	
4-Methyl-2-pentanone	102	112.4		ug/m3	110	64 - 133	53 - 145	
Acetone	59.4	60.03		ug/m3	101	69 - 146	56 - 159	
Benzene	79.9	92.78		ug/m3	116	70 - 133	60 - 144	
Benzyl chloride	129	143.1		ug/m3	111	63 - 130	52 - 141	
Bromodichloromethane	168	180.7		ug/m3	108	70 - 130	60 - 140	
Bromoform	258	291.9		ug/m3	113	70 - 132	60 - 142	
Bromomethane	97.1	107.1		ug/m3	110	70 - 137	59 - 148	
cis-1,2-Dichloroethene	99.1	110.6		ug/m3	112	70 - 130	60 - 140	
cis-1,3-Dichloropropene	113	125.6		ug/m3	111	70 - 130	60 - 140	
Carbon disulfide	77.9	83.35		ug/m3	107	70 - 150	57 - 163	
Carbon tetrachloride	157	162.8		ug/m3	104	70 - 130	60 - 140	
Chlorobenzene	115	124.1		ug/m3	108	70 - 130	60 - 140	
Chloroethane	66.0	69.54		ug/m3	105	70 - 137	59 - 148	
Chloroform	122	126.2		ug/m3	103	70 - 132	60 - 142	
Chloromethane	51.6	49.89		ug/m3	97	65 - 142	52 - 155	
Dibromochloromethane	213	228.0		ug/m3	107	70 - 130	60 - 140	
Dichlorodifluoromethane	124	122.9		ug/m3	99	70 - 142	58 - 154	
Dichlorotetrafluoroethane	175	179.3		ug/m3	103	70 - 137	59 - 148	
Ethylbenzene	109	115.7		ug/m3	107	70 - 130	60 - 140	
Hexachloro-1,3-butadiene	267	297.7		ug/m3	112	55 - 130	43 - 143	
Isopropanol	61.5	60.75		ug/m3	99	60 - 130	48 - 142	
Methylene Chloride	86.8	91.29		ug/m3	105	70 - 130	60 - 140	
Methyl-t-Butyl Ether (MTBE)	90.1	95.32		ug/m3	106	70 - 132	76 - 140	
n-Butylbenzene	137	140.1		ug/m3	102	70 - 130	60 - 140	
o-Xylene	109	116.2		ug/m3	107	70 - 130	60 - 140	
m,p-Xylene	217	232.4		ug/m3	107	70 - 130	60 - 140	
sec-Butylbenzene	137	134.2		ug/m3	98	70 - 130	60 - 140	
Styrene	106	116.6		ug/m3	110	70 - 130	60 - 140	
trans-1,2-Dichloroethene	99.1	108.7		ug/m3	110	70 - 140	58 - 152	

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-75202/3
Matrix: Air

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
trans-1,3-Dichloropropene	113	126.5		ug/m3	112	70 - 130	60 - 140	
tert-Butylbenzene	137	135.9		ug/m3	99	70 - 130	60 - 140	
Tetrachloroethene	170	185.8		ug/m3	110	70 - 130	60 - 140	
Toluene	94.2	107.1		ug/m3	114	70 - 130	60 - 140	
Trichloroethene	134	147.3		ug/m3	110	70 - 130	60 - 140	
Trichlorofluoromethane	140	145.7		ug/m3	104	70 - 143	58 - 155	
Vinyl acetate	88.0	91.73		ug/m3	104	67 - 138	55 - 150	
Vinyl chloride	63.9	63.75		ug/m3	100	70 - 133	60 - 144	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
57	3	0

X = % Recovery is greater than widest possible limit

Lab Sample ID: LCSD 570-75202/4
Matrix: Air

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
1,1,1-Trichloroethane	136	138.4		ug/m3	101	70 - 137	59 - 148	
1,1,2,2-Tetrachloroethane	172	186.8		ug/m3	109	70 - 130	60 - 140	
1,1,2-Trichloro-1,2,2-trifluoroethane	192	205.0		ug/m3	107	70 - 130	60 - 140	
1,1,2-Trichloroethane	136	153.5		ug/m3	112	70 - 130	60 - 140	
1,1-Dichloroethane	101	104.1		ug/m3	103	70 - 131	60 - 141	
1,1-Dichloroethene	99.1	98.88		ug/m3	100	70 - 130	60 - 140	
1,1-Difluoroethane	67.5	58.50		ug/m3	87	60 - 130	48 - 142	
1,2,4-Trichlorobenzene	186	267.7	*	ug/m3	144	56 - 130	44 - 142	X
1,2,4-Trimethylbenzene	123	130.8		ug/m3	106	70 - 130	60 - 140	
1,2-Dibromo-3-Chloropropane	242	281.6		ug/m3	117	68 - 130	58 - 140	
1,2-Dibromoethane	192	216.9		ug/m3	113	70 - 130	60 - 140	
1,2-Dichlorobenzene	150	177.7		ug/m3	118	70 - 130	60 - 140	
1,2-Dichloroethane	101	98.51		ug/m3	97	70 - 134	59 - 145	
1,2-Dichloropropane	116	123.2		ug/m3	107	70 - 130	60 - 140	
1,3,5-Trimethylbenzene	123	127.1		ug/m3	103	70 - 130	60 - 140	
1,3-Dichlorobenzene	150	184.4		ug/m3	123	69 - 132	59 - 143	
1,4-Dichlorobenzene	150	191.0		ug/m3	127	67 - 132	56 - 143	
2-Butanone	73.7	73.31		ug/m3	99	64 - 143	51 - 156	
2-Hexanone	102	113.6		ug/m3	111	59 - 140	46 - 154	
4-Ethyltoluene	123	139.9		ug/m3	114	70 - 130	60 - 140	
4-Methyl-2-pentanone	102	113.1		ug/m3	110	64 - 133	53 - 145	
Acetone	59.4	60.52		ug/m3	102	69 - 146	56 - 159	
Benzene	79.9	93.81		ug/m3	117	70 - 133	60 - 144	
Benzyl chloride	129	150.7		ug/m3	116	63 - 130	52 - 141	
Bromodichloromethane	168	179.9		ug/m3	107	70 - 130	60 - 140	
Bromoform	258	292.8		ug/m3	113	70 - 132	60 - 142	
Bromomethane	97.1	107.1		ug/m3	110	70 - 137	59 - 148	
cis-1,2-Dichloroethene	99.1	110.6		ug/m3	112	70 - 130	60 - 140	
cis-1,3-Dichloropropene	113	124.1		ug/m3	109	70 - 130	60 - 140	
Carbon disulfide	77.9	83.22		ug/m3	107	70 - 150	57 - 163	

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-75202/4
Matrix: Air

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
Carbon tetrachloride	157	162.2		ug/m3	103	70 - 130	60 - 140	
Chlorobenzene	115	123.8		ug/m3	108	70 - 130	60 - 140	
Chloroethane	66.0	68.91		ug/m3	104	70 - 137	59 - 148	
Chloroform	122	125.9		ug/m3	103	70 - 132	60 - 142	
Chloromethane	51.6	50.25		ug/m3	97	65 - 142	52 - 155	
Dibromochloromethane	213	227.5		ug/m3	107	70 - 130	60 - 140	
Dichlorodifluoromethane	124	124.2		ug/m3	100	70 - 142	58 - 154	
Dichlorotetrafluoroethane	175	179.9		ug/m3	103	70 - 137	59 - 148	
Ethylbenzene	109	115.9		ug/m3	107	70 - 130	60 - 140	
Hexachloro-1,3-butadiene	267	297.7		ug/m3	112	55 - 130	43 - 143	
Isopropanol	61.5	58.69		ug/m3	96	60 - 130	48 - 142	
Methylene Chloride	86.8	91.11		ug/m3	105	70 - 130	60 - 140	
Methyl-t-Butyl Ether (MTBE)	90.1	95.21		ug/m3	106	70 - 132	76 - 140	
n-Butylbenzene	137	142.0		ug/m3	103	70 - 130	60 - 140	
o-Xylene	109	115.4		ug/m3	106	70 - 130	60 - 140	
m,p-Xylene	217	233.5		ug/m3	108	70 - 130	60 - 140	
sec-Butylbenzene	137	134.9		ug/m3	98	70 - 130	60 - 140	
Styrene	106	115.8		ug/m3	109	70 - 130	60 - 140	
trans-1,2-Dichloroethene	99.1	111.3		ug/m3	112	70 - 140	58 - 152	
trans-1,3-Dichloropropene	113	125.8		ug/m3	111	70 - 130	60 - 140	
tert-Butylbenzene	137	135.3		ug/m3	99	70 - 130	60 - 140	
Tetrachloroethene	170	185.8		ug/m3	110	70 - 130	60 - 140	
Toluene	94.2	106.5		ug/m3	113	70 - 130	60 - 140	
Trichloroethene	134	146.5		ug/m3	109	70 - 130	60 - 140	
Trichlorofluoromethane	140	145.8		ug/m3	104	70 - 143	58 - 155	
Vinyl acetate	88.0	91.48		ug/m3	104	67 - 138	55 - 150	
Vinyl chloride	63.9	64.22		ug/m3	100	70 - 133	60 - 144	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
57	3	0

X = % Recovery is greater than widest possible limit

Lab Sample ID: LCSD 570-75427/4
Matrix: Air

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
1,1,1-Trichloroethane	136	156.1		ug/m3	114	70 - 137	59 - 148	
1,1,2,2-Tetrachloroethane	172	192.3		ug/m3	112	70 - 130	60 - 140	
1,1,2-Trichloro-1,2,2-trifluoroethane	192	227.1		ug/m3	119	70 - 130	60 - 140	
1,1,2-Trichloroethane	136	156.0		ug/m3	114	70 - 130	60 - 140	
1,1-Dichloroethane	101	109.0		ug/m3	108	70 - 131	60 - 141	
1,1-Dichloroethene	99.1	113.7		ug/m3	115	70 - 130	60 - 140	
1,1-Difluoroethane	67.5	66.89		ug/m3	99	60 - 130	48 - 142	
1,2,4-Trimethylbenzene	123	144.0		ug/m3	117	70 - 130	60 - 140	
1,2-Dibromo-3-Chloropropane	242	311.8		ug/m3	129	68 - 130	58 - 140	
1,2-Dibromoethane	192	226.9		ug/m3	118	70 - 130	60 - 140	
1,2-Dichlorobenzene	150	191.6		ug/m3	127	70 - 130	60 - 140	

Marginal Exceedance (ME) Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-75427/4
Matrix: Air

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
1,2-Dichloroethane	101	115.7		ug/m3	114	70 - 134	59 - 145	
1,2-Dichloropropane	116	123.7		ug/m3	107	70 - 130	60 - 140	
1,3,5-Trimethylbenzene	123	137.8		ug/m3	112	70 - 130	60 - 140	
1,3-Dichlorobenzene	150	196.6		ug/m3	131	69 - 132	59 - 143	
1,4-Dichlorobenzene	150	203.3	* me	ug/m3	135	67 - 132	56 - 143	ME
2-Butanone	73.7	77.06		ug/m3	105	64 - 143	51 - 156	
2-Hexanone	102	113.1		ug/m3	110	59 - 140	46 - 154	
4-Ethyltoluene	123	146.8		ug/m3	119	70 - 130	60 - 140	
4-Methyl-2-pentanone	102	112.1		ug/m3	109	64 - 133	53 - 145	
Acetone	59.4	64.98		ug/m3	109	69 - 146	56 - 159	
Benzene	79.9	92.99		ug/m3	116	70 - 133	60 - 144	
Benzyl chloride	129	164.9		ug/m3	127	63 - 130	52 - 141	
Bromodichloromethane	168	200.3		ug/m3	120	70 - 130	60 - 140	
Bromoform	258	322.5		ug/m3	125	70 - 132	60 - 142	
Bromomethane	97.1	118.1		ug/m3	122	70 - 137	59 - 148	
cis-1,2-Dichloroethene	99.1	110.9		ug/m3	112	70 - 130	60 - 140	
cis-1,3-Dichloropropene	113	129.9		ug/m3	114	70 - 130	60 - 140	
Carbon disulfide	77.9	88.93		ug/m3	114	70 - 150	57 - 163	
Carbon tetrachloride	157	192.4		ug/m3	122	70 - 130	60 - 140	
Chlorobenzene	115	129.2		ug/m3	112	70 - 130	60 - 140	
Chloroethane	66.0	75.91		ug/m3	115	70 - 137	59 - 148	
Chloroform	122	136.0		ug/m3	111	70 - 132	60 - 142	
Chloromethane	51.6	55.28		ug/m3	107	65 - 142	52 - 155	
Dibromochloromethane	213	252.1		ug/m3	118	70 - 130	60 - 140	
Dichlorodifluoromethane	124	150.4		ug/m3	122	70 - 142	58 - 154	
Dichlorotetrafluoroethane	175	206.4		ug/m3	118	70 - 137	59 - 148	
Ethylbenzene	109	121.2		ug/m3	112	70 - 130	60 - 140	
Hexachloro-1,3-butadiene	267	345.3		ug/m3	129	55 - 130	43 - 143	
Isopropanol	61.5	67.56		ug/m3	110	60 - 130	48 - 142	
Methylene Chloride	86.8	96.67		ug/m3	111	70 - 130	60 - 140	
Methyl-t-Butyl Ether (MTBE)	90.1	99.61		ug/m3	111	70 - 132	76 - 140	
n-Butylbenzene	137	155.4		ug/m3	113	70 - 130	60 - 140	
o-Xylene	109	125.0		ug/m3	115	70 - 130	60 - 140	
m,p-Xylene	217	250.3		ug/m3	115	70 - 130	60 - 140	
sec-Butylbenzene	137	146.0		ug/m3	106	70 - 130	60 - 140	
Styrene	106	119.9		ug/m3	113	70 - 130	60 - 140	
trans-1,2-Dichloroethene	99.1	112.2		ug/m3	113	70 - 140	58 - 152	
trans-1,3-Dichloropropene	113	136.7		ug/m3	121	70 - 130	60 - 140	
tert-Butylbenzene	137	148.9		ug/m3	108	70 - 130	60 - 140	
Tetrachloroethene	170	197.1		ug/m3	116	70 - 130	60 - 140	
Toluene	94.2	107.4		ug/m3	114	70 - 130	60 - 140	
Trichloroethene	134	153.8		ug/m3	114	70 - 130	60 - 140	
Trichlorofluoromethane	140	179.0		ug/m3	127	70 - 143	58 - 155	
Vinyl acetate	88.0	93.55		ug/m3	106	67 - 138	55 - 150	
Vinyl chloride	63.9	70.60		ug/m3	110	70 - 133	60 - 144	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
56	3	1

Marginal Exceedance (ME) Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

ME = Marginal Exceedance

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Air - GC/MS VOA

Analysis Batch: 75202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30828-1	SS-3	Total/NA	Air	TO-15	
570-30828-2	SS-5	Total/NA	Air	TO-15	
570-30828-3	SS-4	Total/NA	Air	TO-15	
570-30828-4	SS-1	Total/NA	Air	TO-15	
570-30828-5	SS-7	Total/NA	Air	TO-15	
570-30828-6	SS-2	Total/NA	Air	TO-15	
570-30828-7	SS-6	Total/NA	Air	TO-15	
MB 570-75202/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-75202/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-75202/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 75427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30828-2 - DL	SS-5	Total/NA	Air	TO-15	
570-30828-4 - DL	SS-1	Total/NA	Air	TO-15	
MB 570-75427/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-75427/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-75427/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Client Sample ID: SS-3
Date Collected: 06/11/20 16:15
Date Received: 06/12/20 15:57

Lab Sample ID: 570-30828-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.17	400 mL	400 mL	75202	06/13/20 17:27	LEW3	ECL 2
	Instrument ID: GCMSOOO									

Client Sample ID: SS-5
Date Collected: 06/11/20 17:20
Date Received: 06/12/20 15:57

Lab Sample ID: 570-30828-2
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2.864	400 mL	400 mL	75202	06/13/20 18:15	LEW3	ECL 2
	Instrument ID: GCMSOOO									
Total/NA	Analysis	TO-15	DL	4.475	400 mL	400 mL	75427	06/15/20 18:26	LEW3	ECL 2
	Instrument ID: GCMSOOO									

Client Sample ID: SS-4
Date Collected: 06/11/20 18:05
Date Received: 06/12/20 15:57

Lab Sample ID: 570-30828-3
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		4.325	400 mL	400 mL	75202	06/13/20 19:05	LEW3	ECL 2
	Instrument ID: GCMSOOO									

Client Sample ID: SS-1
Date Collected: 06/12/20 08:47
Date Received: 06/12/20 15:57

Lab Sample ID: 570-30828-4
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.18	400 mL	400 mL	75202	06/13/20 19:56	LEW3	ECL 2
	Instrument ID: GCMSOOO									
Total/NA	Analysis	TO-15	DL	2.52	400 mL	400 mL	75427	06/15/20 19:15	LEW3	ECL 2
	Instrument ID: GCMSOOO									

Client Sample ID: SS-7
Date Collected: 06/12/20 09:36
Date Received: 06/12/20 15:57

Lab Sample ID: 570-30828-5
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.26	400 mL	400 mL	75202	06/13/20 20:47	LEW3	ECL 2
	Instrument ID: GCMSOOO									

Client Sample ID: SS-2
Date Collected: 06/12/20 10:46
Date Received: 06/12/20 15:57

Lab Sample ID: 570-30828-6
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.24	400 mL	400 mL	75202	06/13/20 21:41	LEW3	ECL 2
	Instrument ID: GCMSOOO									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Client Sample ID: SS-6

Date Collected: 06/12/20 12:01
Date Received: 06/12/20 15:57

Lab Sample ID: 570-30828-7

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.19	400 mL	400 mL	75202	06/13/20 22:30	LEW3	ECL 2
	Instrument ID: GCMSOOO									

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Nevada	State	CA00111	07-31-20
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	ECL 2

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job ID: 570-30828-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-30828-1	SS-3	Air	06/11/20 16:15	06/12/20 15:57	Air Canister (1-Liter) #LC472
570-30828-2	SS-5	Air	06/11/20 17:20	06/12/20 15:57	Air Canister (1-Liter) #LC1136
570-30828-3	SS-4	Air	06/11/20 18:05	06/12/20 15:57	Air Canister (1-Liter) #LC1176
570-30828-4	SS-1	Air	06/12/20 08:47	06/12/20 15:57	Air Canister (1-Liter) #LC1039
570-30828-5	SS-7	Air	06/12/20 09:36	06/12/20 15:57	Air Canister (1-Liter) #LC1232
570-30828-6	SS-2	Air	06/12/20 10:46	06/12/20 15:57	Air Canister (1-Liter) #LC584
570-30828-7	SS-6	Air	06/12/20 12:01	06/12/20 15:57	Air Canister (1-Liter) #LC886

eurofins Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-30828 Chain of Custody

AIR CHAIN OF CUSTODY RECORD

DATE: 6/12/2020
PAGE: 1 OF 1 SB

LABORATORY CLIENT: GEOSYNTEC CONSULTANTS, INC.	CLIENT PROJECT NAME / NUMBER: PHROUSIFINZ / 2673	P.O. NO.: 10001468
ADDRESS: 211 E. OCEAN BLVD, SUITE 300	PROJECT ADDRESS: 1211 BADILLO ST.	LAB CONTACT OR QUOTE NO.:
CITY: LONG BEACH STATE: CA ZIP: 90802	CITY: WEST COVINA STATE: CA ZIP:	
TEL: – E-MAIL: mfanticn@geosyntec.com, msmall@geosyntec.com	PROJECT CONTACT:	SAMPLER(S): (PRINT) STEPH BONE

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☒ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ EDD ☐ UNITS

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES: TO-15 (EPA)

LAB USE ONLY	SAMPLE ID	FIELD ID / POINT OF COLLECTION	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Media ID #	Canister Size 6L or 1L	Flow Controller ID #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	TO-15 (EPA)
1	SS-3	SS-3	SV	LC472	1L	A473	6/11/2020	1110	-29.19	6/11/2020	1115	-2.85	X
2	SS-5	SS-5	SV	LC1130	1L	A351	6/11/2020	1715	-28.98	6/11/2020	1720	-6.17	X
3	SS-4	SS-4	SV	LC1170	1L	A220	6/11/2020	1800	-29.88	6/11/2020	1805	-5.61	X
4	SS-1	SS-1	SV	LC1039	1L	A442	6/12/2020	0842	-28.9	6/12/2020	0847	-3.75	X
5	SS-7	SS-7	SV	LC1232	1L	A421	6/12/2020	0931	-29.02	6/12/2020	0930	-5.28	X
6	SS-2	SS-2	SV	LC584	1L	A467	6/12/2020	1041	-28.73	6/12/2020	1046	-4.78	X
7	SS-6	SS-6	SV	LC880	L	A380	6/12/2020	1158	-29.01	6/12/2020	1201	-3.85	X

Relinquished by: (Signature) [signature] GEOSYNTEC STEPHANIE BONE	Received by: (Signature/Affiliation) [signature] Geosyntec Eric Garcia	Date: 6/12/20	Time: 1430
Relinquished by: (Signature) [signature] Geosyntec Eric Garcia	Received by: (Signature/Affiliation) [signature] ECI ECI	Date: 6-12-2020	Time: 15:57
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/02/14 Revision

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 570-30828-1

Login Number: 30828
List Number: 1
Creator: Cruise, Noel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Summa Canister Dilution Worksheet

Client: Geosyntec Consultants, Inc.
Project/Site: PNR0651FW2/267B

Job No.: 570-30828-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
570-30828-1	1	-29.5	-4.1	0.86	0.86	-2.01373	0.86	0.86		1.00	1.00	Air Mg-4	06/12/20 18:46	S8WJ
570-30828-1	1	-29.5	-4.3	0.86	0.86	0	1.00	1.00		1.17	1.17	AIR MG-4	06/13/20 14:34	V2NZ
570-30828-2	1	-29.5	-7.3	0.76	0.76	-3.58543	0.76	0.76		1.00	1.00	Air Mg-4	06/12/20 18:46	S8WJ
570-30828-2	1	-29.5	-7.5	0.75	0.75	5.0	1.34	1.34		1.79	1.79	AIR MG-4	06/13/20 14:33	V2NZ
570-30828-3	1	-29.5	-6.6	0.78	0.78	-3.24162	0.78	0.78		1.00	1.00	Air Mg-4	06/12/20 18:47	S8WJ
570-30828-3	1	-29.5	-6.8	0.77	0.77	5.0	1.34	1.34		1.73	1.73	AIR MG-4	06/13/20 14:30	V2NZ
570-30828-4	1	-29.5	-4.3	0.86	0.86	-2.11196	0.86	0.86		1.00	1.00	Air Mg-4	06/12/20 18:47	S8WJ
570-30828-4	1	-29.5	-4.5	0.85	0.85	0	1.00	1.00		1.18	1.18	AIR MG-4	06/13/20 14:35	V2NZ
570-30828-4	1	-29.5	-11.2	0.63	0.63	5	1.34	1.34		2.14	2.52	AIR MG-4	06/15/20 14:30	LEW3
570-30828-5	1	-29.5	-6.0	0.80	0.80	-2.94692	0.80	0.80		1.00	1.00	Air Mg-4	06/12/20 18:47	S8WJ
570-30828-5	1	-29.5	-6.2	0.79	0.79	0	1.00	1.00		1.26	1.26	AIR MG-4	06/13/20 14:33	V2NZ
570-30828-6	1	-29.5	-5.6	0.81	0.81	-2.75046	0.81	0.81		1.00	1.00	Air Mg-4	06/12/20 18:47	S8WJ
570-30828-6	1	-29.5	-5.8	0.81	0.81	0	1.00	1.00		1.24	1.24	AIR MG-4	06/13/20 14:32	V2NZ
570-30828-7	1	-29.5	-4.6	0.85	0.85	-2.25931	0.85	0.85		1.00	1.00	Air Mg-4	06/12/20 18:48	S8WJ
570-30828-7	1	-29.5	-4.8	0.84	0.84	0	1.00	1.00		1.19	1.19	AIR MG-4	06/13/20 14:34	V2NZ

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Eurofins Calscience

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-30847-1
Client Project/Site: PN20651FW2/267B

For:
Geosyntec Consultants, Inc.
520 Pike Street
Suite 2600
Seattle, Washington 98101

Attn: Molly Taptich

Authorized for release by:
6/16/2020 3:12:11 PM

Stephen Nowak, Project Manager I
(714)895-5494
stephennowak@eurofinsus.com

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Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job ID: 570-30847-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-30847-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-30847-1

Comments
No additional comments.

Receipt
The samples were received on 6/12/2020 7:10 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

Air Toxics
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job ID: 570-30847-1

Client Sample ID: IA-1 — Lab Sample ID: 570-30847-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.49		0.19		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.43		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.47		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroethane	0.082		0.066		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.19		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.97		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.2		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.33		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.44		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.36		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	0.87		0.22		ug/m3	1		TO-15 SIM	Total/NA
Toluene	1.3		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	2.0		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA-2 — Lab Sample ID: 570-30847-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.32		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.57		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.46		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.18		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.78		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.2		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.71		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.38		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.64		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	1.7		0.22		ug/m3	1		TO-15 SIM	Total/NA
Toluene	2.4		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	2.2		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA-3 — Lab Sample ID: 570-30847-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Difluoroethane	0.72		0.68		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.46		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,2-Dichloroethane	0.11		0.10		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.15		0.12		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.63		0.080		ug/m3	1		TO-15 SIM	Total/NA
Bromodichloromethane	0.27		0.17		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.51		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroethane	0.090		0.066		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.50		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	1.2		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.1		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.69		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.39		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.65		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	1.8		0.22		ug/m3	1		TO-15 SIM	Total/NA
Toluene	2.8		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	2.3		0.14		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job ID: 570-30847-1

Client Sample ID: IA-4 — Lab Sample ID: 570-30847-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.52		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.34		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,2-Dichloroethane	0.10		0.10		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.12		0.12		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.50		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.48		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.21		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.75		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.2		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.80		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.45		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.6		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.8		0.22		ug/m3	1		TO-15 SIM	Total/NA
Toluene	2.3		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	5.2		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA-5 — Lab Sample ID: 570-30847-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.52		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.25		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.49		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.48		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.17		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.70		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.3		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.38		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.45		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.38		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	0.91		0.22		ug/m3	1		TO-15 SIM	Total/NA
Toluene	1.6		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	2.4		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA-6 — Lab Sample ID: 570-30847-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.49		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.35		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,2-Dichloroethane	0.11		0.10		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.12		0.12		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.0		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.46		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroethane	0.36		0.066		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.31		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	1.0		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.2		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	1.1		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.52		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.83		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.0		0.22		ug/m3	1		TO-15 SIM	Total/NA
Toluene	4.5		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.9		0.14		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job ID: 570-30847-1

Client Sample ID: IA-7 — Lab Sample ID: 570-30847-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Difluoroethane	1.2		0.68		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.41		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.46		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroethane	0.068		0.066		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.15		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.72		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.2		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.27		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.44		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.27		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	0.66		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.28		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	1.2		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.13		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.3		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: OA — Lab Sample ID: 570-30847-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		0.19		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.37		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.45		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroethane	0.12		0.066		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.13		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.74		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.2		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.19		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.44		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.18		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	0.42		0.22		ug/m3	1		TO-15 SIM	Total/NA
Toluene	0.90		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.2		0.14		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Client Sample ID: IA-1
Date Collected: 06/12/20 16:50
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-1
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			06/14/20 07:55	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			06/14/20 07:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.49**		0.19		ug/m3			06/14/20 07:55	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			06/14/20 07:55	1
1,1-Dichloroethane	ND		0.10		ug/m3			06/14/20 07:55	1
1,1-Dichloroethene	ND		0.099		ug/m3			06/14/20 07:55	1
1,1-Difluoroethane	ND		0.68		ug/m3			06/14/20 07:55	1
1,2,4-Trimethylbenzene	ND		0.25		ug/m3			06/14/20 07:55	1
1,2-Dichloroethane	ND		0.10		ug/m3			06/14/20 07:55	1
1,3,5-Trimethylbenzene	ND		0.12		ug/m3			06/14/20 07:55	1
4-Ethyltoluene	ND		0.25		ug/m3			06/14/20 07:55	1
Benzene	**0.43**		0.080		ug/m3			06/14/20 07:55	1
Bromodichloromethane	ND		0.17		ug/m3			06/14/20 07:55	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 07:55	1
Carbon tetrachloride	**0.47**		0.31		ug/m3			06/14/20 07:55	1
Chlorobenzene	ND		0.23		ug/m3			06/14/20 07:55	1
Chloroethane	**0.082**		0.066		ug/m3			06/14/20 07:55	1
Chloroform	**0.19**		0.12		ug/m3			06/14/20 07:55	1
Chloromethane	**0.97**		0.052		ug/m3			06/14/20 07:55	1
Dibromochloromethane	ND		0.21		ug/m3			06/14/20 07:55	1
Dichlorodifluoromethane	**2.2**		0.12		ug/m3			06/14/20 07:55	1
Ethylbenzene	**0.33**		0.11		ug/m3			06/14/20 07:55	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			06/14/20 07:55	1
Methylene Chloride	**0.44**		0.17		ug/m3			06/14/20 07:55	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			06/14/20 07:55	1
o-Xylene	**0.36**		0.11		ug/m3			06/14/20 07:55	1
m,p-Xylene	**0.87**		0.22		ug/m3			06/14/20 07:55	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 07:55	1
Tetrachloroethene	ND		0.17		ug/m3			06/14/20 07:55	1
Toluene	**1.3**		0.19		ug/m3			06/14/20 07:55	1
Trichloroethene	ND		0.13		ug/m3			06/14/20 07:55	1
Trichlorofluoromethane	**2.0**		0.14		ug/m3			06/14/20 07:55	1
Vinyl chloride	ND		0.13		ug/m3			06/14/20 07:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*37 - 163*		*06/14/20 07:55*	*1*
4-Bromofluorobenzene (Surr)	*93*		*45 - 153*		*06/14/20 07:55*	*1*
Toluene-d8 (Surr)	*103*		*73 - 121*		*06/14/20 07:55*	*1*

Client Sample ID: IA-2
Date Collected: 06/12/20 16:02
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-2
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			06/14/20 08:46	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			06/14/20 08:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.50**		0.19		ug/m3			06/14/20 08:46	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA-2
Date Collected: 06/12/20 16:02
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-2
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.14		ug/m3			06/14/20 08:46	1
1,1-Dichloroethane	ND		0.10		ug/m3			06/14/20 08:46	1
1,1-Dichloroethene	ND		0.099		ug/m3			06/14/20 08:46	1
1,1-Difluoroethane	ND		0.68		ug/m3			06/14/20 08:46	1
1,2,4-Trimethylbenzene	**0.32**		0.25		ug/m3			06/14/20 08:46	1
1,2-Dichloroethane	ND		0.10		ug/m3			06/14/20 08:46	1
1,3,5-Trimethylbenzene	ND		0.12		ug/m3			06/14/20 08:46	1
4-Ethyltoluene	ND		0.25		ug/m3			06/14/20 08:46	1
Benzene	**0.57**		0.080		ug/m3			06/14/20 08:46	1
Bromodichloromethane	ND		0.17		ug/m3			06/14/20 08:46	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 08:46	1
Carbon tetrachloride	**0.46**		0.31		ug/m3			06/14/20 08:46	1
Chlorobenzene	ND		0.23		ug/m3			06/14/20 08:46	1
Chloroethane	ND		0.066		ug/m3			06/14/20 08:46	1
Chloroform	**0.18**		0.12		ug/m3			06/14/20 08:46	1
Chloromethane	**0.78**		0.052		ug/m3			06/14/20 08:46	1
Dibromochloromethane	ND		0.21		ug/m3			06/14/20 08:46	1
Dichlorodifluoromethane	**2.2**		0.12		ug/m3			06/14/20 08:46	1
Ethylbenzene	**0.71**		0.11		ug/m3			06/14/20 08:46	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			06/14/20 08:46	1
Methylene Chloride	**0.38**		0.17		ug/m3			06/14/20 08:46	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			06/14/20 08:46	1
o-Xylene	**0.64**		0.11		ug/m3			06/14/20 08:46	1
m,p-Xylene	**1.7**		0.22		ug/m3			06/14/20 08:46	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 08:46	1
Tetrachloroethene	ND		0.17		ug/m3			06/14/20 08:46	1
Toluene	**2.4**		0.19		ug/m3			06/14/20 08:46	1
Trichloroethene	ND		0.13		ug/m3			06/14/20 08:46	1
Trichlorofluoromethane	**2.2**		0.14		ug/m3			06/14/20 08:46	1
Vinyl chloride	ND		0.13		ug/m3			06/14/20 08:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*37 - 163*		*06/14/20 08:46*	*1*
4-Bromofluorobenzene (Surr)	*93*		*45 - 153*		*06/14/20 08:46*	*1*
Toluene-d8 (Surr)	*102*		*73 - 121*		*06/14/20 08:46*	*1*

Client Sample ID: IA-3
Date Collected: 06/12/20 16:10
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-3
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			06/14/20 09:40	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			06/14/20 09:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.50**		0.19		ug/m3			06/14/20 09:40	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			06/14/20 09:40	1
1,1-Dichloroethane	ND		0.10		ug/m3			06/14/20 09:40	1
1,1-Dichloroethene	ND		0.099		ug/m3			06/14/20 09:40	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA-3
Date Collected: 06/12/20 16:10
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-3
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Difluoroethane	**0.72**		0.68		ug/m3			06/14/20 09:40	1
1,2,4-Trimethylbenzene	**0.46**		0.25		ug/m3			06/14/20 09:40	1
1,2-Dichloroethane	**0.11**		0.10		ug/m3			06/14/20 09:40	1
1,3,5-Trimethylbenzene	**0.15**		0.12		ug/m3			06/14/20 09:40	1
4-Ethyltoluene	ND		0.25		ug/m3			06/14/20 09:40	1
Benzene	**0.63**		0.080		ug/m3			06/14/20 09:40	1
Bromodichloromethane	**0.27**		0.17		ug/m3			06/14/20 09:40	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 09:40	1
Carbon tetrachloride	**0.51**		0.31		ug/m3			06/14/20 09:40	1
Chlorobenzene	ND		0.23		ug/m3			06/14/20 09:40	1
Chloroethane	**0.090**		0.066		ug/m3			06/14/20 09:40	1
Chloroform	**0.50**		0.12		ug/m3			06/14/20 09:40	1
Chloromethane	**1.2**		0.052		ug/m3			06/14/20 09:40	1
Dibromochloromethane	ND		0.21		ug/m3			06/14/20 09:40	1
Dichlorodifluoromethane	**2.1**		0.12		ug/m3			06/14/20 09:40	1
Ethylbenzene	**0.69**		0.11		ug/m3			06/14/20 09:40	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			06/14/20 09:40	1
Methylene Chloride	**0.39**		0.17		ug/m3			06/14/20 09:40	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			06/14/20 09:40	1
o-Xylene	**0.65**		0.11		ug/m3			06/14/20 09:40	1
m,p-Xylene	**1.8**		0.22		ug/m3			06/14/20 09:40	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 09:40	1
Tetrachloroethene	ND		0.17		ug/m3			06/14/20 09:40	1
Toluene	**2.8**		0.19		ug/m3			06/14/20 09:40	1
Trichloroethene	ND		0.13		ug/m3			06/14/20 09:40	1
Trichlorofluoromethane	**2.3**		0.14		ug/m3			06/14/20 09:40	1
Vinyl chloride	ND		0.13		ug/m3			06/14/20 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*37 - 163*		*06/14/20 09:40*	*1*
4-Bromofluorobenzene (Surr)	*93*		*45 - 153*		*06/14/20 09:40*	*1*
Toluene-d8 (Surr)	*106*		*73 - 121*		*06/14/20 09:40*	*1*

Client Sample ID: IA-4
Date Collected: 06/12/20 15:43
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-4
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			06/14/20 10:37	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			06/14/20 10:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.52**		0.19		ug/m3			06/14/20 10:37	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			06/14/20 10:37	1
1,1-Dichloroethane	ND		0.10		ug/m3			06/14/20 10:37	1
1,1-Dichloroethene	ND		0.099		ug/m3			06/14/20 10:37	1
1,1-Difluoroethane	ND		0.68		ug/m3			06/14/20 10:37	1
1,2,4-Trimethylbenzene	**0.34**		0.25		ug/m3			06/14/20 10:37	1
1,2-Dichloroethane	**0.10**		0.10		ug/m3			06/14/20 10:37	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA-4
Date Collected: 06/12/20 15:43
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-4
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	**0.12**		0.12		ug/m3			06/14/20 10:37	1
4-Ethyltoluene	ND		0.25		ug/m3			06/14/20 10:37	1
Benzene	**0.50**		0.080		ug/m3			06/14/20 10:37	1
Bromodichloromethane	ND		0.17		ug/m3			06/14/20 10:37	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 10:37	1
Carbon tetrachloride	**0.48**		0.31		ug/m3			06/14/20 10:37	1
Chlorobenzene	ND		0.23		ug/m3			06/14/20 10:37	1
Chloroethane	ND		0.066		ug/m3			06/14/20 10:37	1
Chloroform	**0.21**		0.12		ug/m3			06/14/20 10:37	1
Chloromethane	**0.75**		0.052		ug/m3			06/14/20 10:37	1
Dibromochloromethane	ND		0.21		ug/m3			06/14/20 10:37	1
Dichlorodifluoromethane	**2.2**		0.12		ug/m3			06/14/20 10:37	1
Ethylbenzene	**0.80**		0.11		ug/m3			06/14/20 10:37	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			06/14/20 10:37	1
Methylene Chloride	**0.45**		0.17		ug/m3			06/14/20 10:37	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			06/14/20 10:37	1
o-Xylene	**1.6**		0.11		ug/m3			06/14/20 10:37	1
m,p-Xylene	**2.8**		0.22		ug/m3			06/14/20 10:37	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 10:37	1
Tetrachloroethene	ND		0.17		ug/m3			06/14/20 10:37	1
Toluene	**2.3**		0.19		ug/m3			06/14/20 10:37	1
Trichloroethene	ND		0.13		ug/m3			06/14/20 10:37	1
Trichlorofluoromethane	**5.2**		0.14		ug/m3			06/14/20 10:37	1
Vinyl chloride	ND		0.13		ug/m3			06/14/20 10:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*37 - 163*		*06/14/20 10:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*45 - 153*		*06/14/20 10:37*	*1*
Toluene-d8 (Surr)	*108*		*73 - 121*		*06/14/20 10:37*	*1*

Client Sample ID: IA-5
Date Collected: 06/12/20 18:00
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-5
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			06/14/20 11:52	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			06/14/20 11:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.52**		0.19		ug/m3			06/14/20 11:52	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			06/14/20 11:52	1
1,1-Dichloroethane	ND		0.10		ug/m3			06/14/20 11:52	1
1,1-Dichloroethene	ND		0.099		ug/m3			06/14/20 11:52	1
1,1-Difluoroethane	ND		0.68		ug/m3			06/14/20 11:52	1
1,2,4-Trimethylbenzene	**0.25**		0.25		ug/m3			06/14/20 11:52	1
1,2-Dichloroethane	ND		0.10		ug/m3			06/14/20 11:52	1
1,3,5-Trimethylbenzene	ND		0.12		ug/m3			06/14/20 11:52	1
4-Ethyltoluene	ND		0.25		ug/m3			06/14/20 11:52	1
Benzene	**0.49**		0.080		ug/m3			06/14/20 11:52	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA-5
Date Collected: 06/12/20 18:00
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-5
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.17		ug/m3			06/14/20 11:52	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 11:52	1
Carbon tetrachloride	**0.48**		0.31		ug/m3			06/14/20 11:52	1
Chlorobenzene	ND		0.23		ug/m3			06/14/20 11:52	1
Chloroethane	ND		0.066		ug/m3			06/14/20 11:52	1
Chloroform	**0.17**		0.12		ug/m3			06/14/20 11:52	1
Chloromethane	**0.70**		0.052		ug/m3			06/14/20 11:52	1
Dibromochloromethane	ND		0.21		ug/m3			06/14/20 11:52	1
Dichlorodifluoromethane	**2.3**		0.12		ug/m3			06/14/20 11:52	1
Ethylbenzene	**0.38**		0.11		ug/m3			06/14/20 11:52	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			06/14/20 11:52	1
Methylene Chloride	**0.45**		0.17		ug/m3			06/14/20 11:52	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			06/14/20 11:52	1
o-Xylene	**0.38**		0.11		ug/m3			06/14/20 11:52	1
m,p-Xylene	**0.91**		0.22		ug/m3			06/14/20 11:52	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 11:52	1
Tetrachloroethene	ND		0.17		ug/m3			06/14/20 11:52	1
Toluene	**1.6**		0.19		ug/m3			06/14/20 11:52	1
Trichloroethene	ND		0.13		ug/m3			06/14/20 11:52	1
Trichlorofluoromethane	**2.4**		0.14		ug/m3			06/14/20 11:52	1
Vinyl chloride	ND		0.13		ug/m3			06/14/20 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*37 - 163*		*06/14/20 11:52*	*1*
4-Bromofluorobenzene (Surr)	*97*		*45 - 153*		*06/14/20 11:52*	*1*
Toluene-d8 (Surr)	*108*		*73 - 121*		*06/14/20 11:52*	*1*

Client Sample ID: IA-6
Date Collected: 06/12/20 15:50
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-6
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			06/14/20 12:42	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			06/14/20 12:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.49**		0.19		ug/m3			06/14/20 12:42	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			06/14/20 12:42	1
1,1-Dichloroethane	ND		0.10		ug/m3			06/14/20 12:42	1
1,1-Dichloroethene	ND		0.099		ug/m3			06/14/20 12:42	1
1,1-Difluoroethane	ND		0.68		ug/m3			06/14/20 12:42	1
1,2,4-Trimethylbenzene	**0.35**		0.25		ug/m3			06/14/20 12:42	1
1,2-Dichloroethane	**0.11**		0.10		ug/m3			06/14/20 12:42	1
1,3,5-Trimethylbenzene	**0.12**		0.12		ug/m3			06/14/20 12:42	1
4-Ethyltoluene	ND		0.25		ug/m3			06/14/20 12:42	1
Benzene	**1.0**		0.080		ug/m3			06/14/20 12:42	1
Bromodichloromethane	ND		0.17		ug/m3			06/14/20 12:42	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 12:42	1
Carbon tetrachloride	**0.46**		0.31		ug/m3			06/14/20 12:42	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA-6
Date Collected: 06/12/20 15:50
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-6
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.23		ug/m3			06/14/20 12:42	1
Chloroethane	**0.36**		0.066		ug/m3			06/14/20 12:42	1
Chloroform	**0.31**		0.12		ug/m3			06/14/20 12:42	1
Chloromethane	**1.0**		0.052		ug/m3			06/14/20 12:42	1
Dibromochloromethane	ND		0.21		ug/m3			06/14/20 12:42	1
Dichlorodifluoromethane	**2.2**		0.12		ug/m3			06/14/20 12:42	1
Ethylbenzene	**1.1**		0.11		ug/m3			06/14/20 12:42	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			06/14/20 12:42	1
Methylene Chloride	**0.52**		0.17		ug/m3			06/14/20 12:42	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			06/14/20 12:42	1
o-Xylene	**0.83**		0.11		ug/m3			06/14/20 12:42	1
m,p-Xylene	**2.0**		0.22		ug/m3			06/14/20 12:42	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 12:42	1
Tetrachloroethene	ND		0.17		ug/m3			06/14/20 12:42	1
Toluene	**4.5**		0.19		ug/m3			06/14/20 12:42	1
Trichloroethene	ND		0.13		ug/m3			06/14/20 12:42	1
Trichlorofluoromethane	**1.9**		0.14		ug/m3			06/14/20 12:42	1
Vinyl chloride	ND		0.13		ug/m3			06/14/20 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*37 - 163*		*06/14/20 12:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*45 - 153*		*06/14/20 12:42*	*1*
Toluene-d8 (Surr)	*100*		*73 - 121*		*06/14/20 12:42*	*1*

Client Sample ID: IA-7
Date Collected: 06/12/20 17:20
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-7
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			06/14/20 13:39	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			06/14/20 13:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.50**		0.19		ug/m3			06/14/20 13:39	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			06/14/20 13:39	1
1,1-Dichloroethane	ND		0.10		ug/m3			06/14/20 13:39	1
1,1-Dichloroethene	ND		0.099		ug/m3			06/14/20 13:39	1
1,1-Difluoroethane	**1.2**		0.68		ug/m3			06/14/20 13:39	1
1,2,4-Trimethylbenzene	ND		0.25		ug/m3			06/14/20 13:39	1
1,2-Dichloroethane	ND		0.10		ug/m3			06/14/20 13:39	1
1,3,5-Trimethylbenzene	ND		0.12		ug/m3			06/14/20 13:39	1
4-Ethyltoluene	ND		0.25		ug/m3			06/14/20 13:39	1
Benzene	**0.41**		0.080		ug/m3			06/14/20 13:39	1
Bromodichloromethane	ND		0.17		ug/m3			06/14/20 13:39	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 13:39	1
Carbon tetrachloride	**0.46**		0.31		ug/m3			06/14/20 13:39	1
Chlorobenzene	ND		0.23		ug/m3			06/14/20 13:39	1
Chloroethane	**0.068**		0.066		ug/m3			06/14/20 13:39	1
Chloroform	**0.15**		0.12		ug/m3			06/14/20 13:39	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA-7
Date Collected: 06/12/20 17:20
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-7
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	**0.72**		0.052		ug/m3			06/14/20 13:39	1
Dibromochloromethane	ND		0.21		ug/m3			06/14/20 13:39	1
Dichlorodifluoromethane	**2.2**		0.12		ug/m3			06/14/20 13:39	1
Ethylbenzene	**0.27**		0.11		ug/m3			06/14/20 13:39	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			06/14/20 13:39	1
Methylene Chloride	**0.44**		0.17		ug/m3			06/14/20 13:39	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			06/14/20 13:39	1
o-Xylene	**0.27**		0.11		ug/m3			06/14/20 13:39	1
m,p-Xylene	**0.66**		0.22		ug/m3			06/14/20 13:39	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 13:39	1
Tetrachloroethene	**0.28**		0.17		ug/m3			06/14/20 13:39	1
Toluene	**1.2**		0.19		ug/m3			06/14/20 13:39	1
Trichloroethene	**0.13**		0.13		ug/m3			06/14/20 13:39	1
Trichlorofluoromethane	**1.3**		0.14		ug/m3			06/14/20 13:39	1
Vinyl chloride	ND		0.13		ug/m3			06/14/20 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*37 - 163*		*06/14/20 13:39*	*1*
4-Bromofluorobenzene (Surr)	*95*		*45 - 153*		*06/14/20 13:39*	*1*
Toluene-d8 (Surr)	*107*		*73 - 121*		*06/14/20 13:39*	*1*

Client Sample ID: OA
Date Collected: 06/12/20 16:35
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-8
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			06/14/20 14:39	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			06/14/20 14:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.50**		0.19		ug/m3			06/14/20 14:39	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			06/14/20 14:39	1
1,1-Dichloroethane	ND		0.10		ug/m3			06/14/20 14:39	1
1,1-Dichloroethene	ND		0.099		ug/m3			06/14/20 14:39	1
1,1-Difluoroethane	ND		0.68		ug/m3			06/14/20 14:39	1
1,2,4-Trimethylbenzene	ND		0.25		ug/m3			06/14/20 14:39	1
1,2-Dichloroethane	ND		0.10		ug/m3			06/14/20 14:39	1
1,3,5-Trimethylbenzene	ND		0.12		ug/m3			06/14/20 14:39	1
4-Ethyltoluene	ND		0.25		ug/m3			06/14/20 14:39	1
Benzene	**0.37**		0.080		ug/m3			06/14/20 14:39	1
Bromodichloromethane	ND		0.17		ug/m3			06/14/20 14:39	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 14:39	1
Carbon tetrachloride	**0.45**		0.31		ug/m3			06/14/20 14:39	1
Chlorobenzene	ND		0.23		ug/m3			06/14/20 14:39	1
Chloroethane	**0.12**		0.066		ug/m3			06/14/20 14:39	1
Chloroform	**0.13**		0.12		ug/m3			06/14/20 14:39	1
Chloromethane	**0.74**		0.052		ug/m3			06/14/20 14:39	1
Dibromochloromethane	ND		0.21		ug/m3			06/14/20 14:39	1
Dichlorodifluoromethane	**2.2**		0.12		ug/m3			06/14/20 14:39	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: OA
Date Collected: 06/12/20 16:35
Date Received: 06/12/20 19:10
Sample Container: Summa Canister 6L

Lab Sample ID: 570-30847-8
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**0.19**		0.11		ug/m3			06/14/20 14:39	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			06/14/20 14:39	1
Methylene Chloride	**0.44**		0.17		ug/m3			06/14/20 14:39	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			06/14/20 14:39	1
o-Xylene	**0.18**		0.11		ug/m3			06/14/20 14:39	1
m,p-Xylene	**0.42**		0.22		ug/m3			06/14/20 14:39	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 14:39	1
Tetrachloroethene	ND		0.17		ug/m3			06/14/20 14:39	1
Toluene	**0.90**		0.19		ug/m3			06/14/20 14:39	1
Trichloroethene	ND		0.13		ug/m3			06/14/20 14:39	1
Trichlorofluoromethane	**1.2**		0.14		ug/m3			06/14/20 14:39	1
Vinyl chloride	ND		0.13		ug/m3			06/14/20 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*37 - 163*		*06/14/20 14:39*	*1*
4-Bromofluorobenzene (Surr)	*95*		*45 - 153*		*06/14/20 14:39*	*1*
Toluene-d8 (Surr)	*111*		*73 - 121*		*06/14/20 14:39*	*1*

Surrogate Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job ID: 570-30847-1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Matrix: Air **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(37-163)	(45-153)	(73-121)
570-30847-1	IA-1	96	93	103
570-30847-2	IA-2	96	93	102
570-30847-3	IA-3	93	93	106
570-30847-4	IA-4	97	100	108
570-30847-5	IA-5	99	97	108
570-30847-6	IA-6	94	100	100
570-30847-7	IA-7	97	95	107
570-30847-8	OA	96	95	111
LCS 570-75471/5	Lab Control Sample	104	106	97
LCSD 570-75471/6	Lab Control Sample Dup	104	103	97
MB 570-75471/8	Method Blank	100	85	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 570-75471/8
Matrix: Air
Analysis Batch: 75471

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			06/14/20 07:03	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			06/14/20 07:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.19		ug/m3			06/14/20 07:03	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			06/14/20 07:03	1
1,1-Dichloroethane	ND		0.10		ug/m3			06/14/20 07:03	1
1,1-Dichloroethene	ND		0.099		ug/m3			06/14/20 07:03	1
1,1-Difluoroethane	ND		0.68		ug/m3			06/14/20 07:03	1
1,2,4-Trimethylbenzene	ND		0.25		ug/m3			06/14/20 07:03	1
1,2-Dichloroethane	ND		0.10		ug/m3			06/14/20 07:03	1
1,3,5-Trimethylbenzene	ND		0.12		ug/m3			06/14/20 07:03	1
4-Ethyltoluene	ND		0.25		ug/m3			06/14/20 07:03	1
Benzene	ND		0.080		ug/m3			06/14/20 07:03	1
Bromodichloromethane	ND		0.17		ug/m3			06/14/20 07:03	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 07:03	1
Carbon tetrachloride	ND		0.31		ug/m3			06/14/20 07:03	1
Chlorobenzene	ND		0.23		ug/m3			06/14/20 07:03	1
Chloroethane	ND		0.066		ug/m3			06/14/20 07:03	1
Chloroform	ND		0.12		ug/m3			06/14/20 07:03	1
Chloromethane	ND		0.052		ug/m3			06/14/20 07:03	1
Dibromochloromethane	ND		0.21		ug/m3			06/14/20 07:03	1
Dichlorodifluoromethane	ND		0.12		ug/m3			06/14/20 07:03	1
Ethylbenzene	ND		0.11		ug/m3			06/14/20 07:03	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			06/14/20 07:03	1
Methylene Chloride	ND		0.17		ug/m3			06/14/20 07:03	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			06/14/20 07:03	1
o-Xylene	ND		0.11		ug/m3			06/14/20 07:03	1
m,p-Xylene	ND		0.22		ug/m3			06/14/20 07:03	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			06/14/20 07:03	1
Tetrachloroethene	ND		0.17		ug/m3			06/14/20 07:03	1
Toluene	ND		0.19		ug/m3			06/14/20 07:03	1
Trichloroethene	ND		0.13		ug/m3			06/14/20 07:03	1
Trichlorofluoromethane	ND		0.14		ug/m3			06/14/20 07:03	1
Vinyl chloride	ND		0.13		ug/m3			06/14/20 07:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*37 - 163*		*06/14/20 07:03*	*1*
4-Bromofluorobenzene (Surr)	*85*		*45 - 153*		*06/14/20 07:03*	*1*
Toluene-d8 (Surr)	*97*		*73 - 121*		*06/14/20 07:03*	*1*

Lab Sample ID: LCS 570-75471/5
Matrix: Air
Analysis Batch: 75471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			2.73	2.789		ug/m3		102	50 - 150		
1,1,2,2-Tetrachloroethane			3.43	3.400		ug/m3		99	50 - 150		
1,1,2-Trichloro-1,2,2-trifluoroethane			3.83	3.890		ug/m3		102	50 - 150		

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 570-75471/5
Matrix: Air
Analysis Batch: 75471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	2.73	2.738		ug/m3		100	27 - 171
1,1-Dichloroethane	2.02	2.006		ug/m3		99	50 - 150
1,1-Dichloroethene	1.98	1.910		ug/m3		96	50 - 150
1,1-Difluoroethane	1.35	1.149		ug/m3		85	50 - 150
1,2,4-Trimethylbenzene	2.46	2.174		ug/m3		88	50 - 150
1,2-Dichloroethane	2.02	2.112		ug/m3		104	28 - 166
1,3,5-Trimethylbenzene	2.46	2.256		ug/m3		92	50 - 150
4-Ethyltoluene	2.46	2.228		ug/m3		91	50 - 150
Benzene	1.60	1.700		ug/m3		106	27 - 153
Bromodichloromethane	3.35	3.513		ug/m3		105	50 - 150
cis-1,2-Dichloroethene	1.98	1.910		ug/m3		96	35 - 165
Carbon tetrachloride	3.15	3.160		ug/m3		100	7 - 187
Chlorobenzene	2.30	2.162		ug/m3		94	50 - 150
Chloroethane	1.32	1.344		ug/m3		102	50 - 150
Chloroform	2.44	2.447		ug/m3		100	50 - 150
Chloromethane	1.03	0.9981		ug/m3		97	50 - 150
Dibromochloromethane	4.26	4.232		ug/m3		99	50 - 150
Dichlorodifluoromethane	2.47	2.512		ug/m3		102	50 - 150
Ethylbenzene	2.17	1.960		ug/m3		90	27 - 153
Hexachloro-1,3-butadiene	5.33	5.438		ug/m3		102	50 - 150
Methylene Chloride	1.74	1.654		ug/m3		95	50 - 150
Methyl-t-Butyl Ether (MTBE)	1.80	1.691		ug/m3		94	50 - 150
o-Xylene	2.17	2.056		ug/m3		95	22 - 160
m,p-Xylene	4.34	4.061		ug/m3		94	21 - 165
trans-1,2-Dichloroethene	1.98	1.959		ug/m3		99	50 - 150
Tetrachloroethene	3.39	3.244		ug/m3		96	34 - 154
Toluene	1.88	1.884		ug/m3		100	28 - 154
Trichloroethene	2.69	2.710		ug/m3		101	43 - 139
Trichlorofluoromethane	2.81	2.913		ug/m3		104	50 - 150
Vinyl chloride	1.28	1.247		ug/m3		98	44 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*37 - 163*
4-Bromofluorobenzene (Surr)	*106*		*45 - 153*
Toluene-d8 (Surr)	*97*		*73 - 121*

Lab Sample ID: LCSD 570-75471/6
Matrix: Air
Analysis Batch: 75471

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	2.73	2.787		ug/m3		102	50 - 150	0	30
1,1,2,2-Tetrachloroethane	3.43	3.393		ug/m3		99	50 - 150	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	3.83	3.886		ug/m3		101	50 - 150	0	30
1,1,2-Trichloroethane	2.73	2.778		ug/m3		102	27 - 171	1	38
1,1-Dichloroethane	2.02	2.011		ug/m3		99	50 - 150	0	30

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCSD 570-75471/6
Matrix: Air
Analysis Batch: 75471

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			1.98	1.838		ug/m3		93	50 - 150	4	30
1,1-Difluoroethane			1.35	1.102		ug/m3		82	50 - 150	4	30
1,2,4-Trimethylbenzene			2.46	2.049		ug/m3		83	50 - 150	6	30
1,2-Dichloroethane			2.02	2.149		ug/m3		106	28 - 166	2	40
1,3,5-Trimethylbenzene			2.46	2.127		ug/m3		87	50 - 150	6	30
4-Ethyltoluene			2.46	2.111		ug/m3		86	50 - 150	5	30
Benzene			1.60	1.719		ug/m3		108	27 - 153	1	34
Bromodichloromethane			3.35	3.553		ug/m3		106	50 - 150	1	30
cis-1,2-Dichloroethene			1.98	1.914		ug/m3		97	35 - 165	0	35
Carbon tetrachloride			3.15	3.159		ug/m3		100	7 - 187	0	31
Chlorobenzene			2.30	2.191		ug/m3		95	50 - 150	1	30
Chloroethane			1.32	1.301		ug/m3		99	50 - 150	3	30
Chloroform			2.44	2.454		ug/m3		101	50 - 150	0	30
Chloromethane			1.03	0.9846		ug/m3		95	50 - 150	1	30
Dibromochloromethane			4.26	4.305		ug/m3		101	50 - 150	2	30
Dichlorodifluoromethane			2.47	2.470		ug/m3		100	50 - 150	2	30
Ethylbenzene			2.17	1.952		ug/m3		90	27 - 153	0	46
Hexachloro-1,3-butadiene			5.33	4.739		ug/m3		89	50 - 150	14	30
Methylene Chloride			1.74	1.570		ug/m3		90	50 - 150	5	30
Methyl-t-Butyl Ether (MTBE)			1.80	1.681		ug/m3		93	50 - 150	1	30
o-Xylene			2.17	2.049		ug/m3		94	22 - 160	0	48
m,p-Xylene			4.34	4.055		ug/m3		93	21 - 165	0	51
trans-1,2-Dichloroethene			1.98	1.947		ug/m3		98	50 - 150	1	30
Tetrachloroethene			3.39	3.294		ug/m3		97	34 - 154	2	33
Toluene			1.88	1.919		ug/m3		102	28 - 154	2	42
Trichloroethene			2.69	2.707		ug/m3		101	43 - 139	0	31
Trichlorofluoromethane			2.81	2.811		ug/m3		100	50 - 150	4	30
Vinyl chloride			1.28	1.237		ug/m3		97	44 - 140	1	33

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*37 - 163*
4-Bromofluorobenzene (Surr)	*103*		*45 - 153*
Toluene-d8 (Surr)	*97*		*73 - 121*

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job ID: 570-30847-1

Air - GC/MS VOA

Analysis Batch: 75471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-30847-1	IA-1	Total/NA	Air	TO-15 SIM	
570-30847-2	IA-2	Total/NA	Air	TO-15 SIM	
570-30847-3	IA-3	Total/NA	Air	TO-15 SIM	
570-30847-4	IA-4	Total/NA	Air	TO-15 SIM	
570-30847-5	IA-5	Total/NA	Air	TO-15 SIM	
570-30847-6	IA-6	Total/NA	Air	TO-15 SIM	
570-30847-7	IA-7	Total/NA	Air	TO-15 SIM	
570-30847-8	OA	Total/NA	Air	TO-15 SIM	
MB 570-75471/8	Method Blank	Total/NA	Air	TO-15 SIM	
LCS 570-75471/5	Lab Control Sample	Total/NA	Air	TO-15 SIM	
LCSD 570-75471/6	Lab Control Sample Dup	Total/NA	Air	TO-15 SIM	

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job ID: 570-30847-1

Client Sample ID: IA-1
Date Collected: 06/12/20 16:50
Date Received: 06/12/20 19:10

Lab Sample ID: 570-30847-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	75471	06/14/20 07:55	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA-2
Date Collected: 06/12/20 16:02
Date Received: 06/12/20 19:10

Lab Sample ID: 570-30847-2
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	75471	06/14/20 08:46	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA-3
Date Collected: 06/12/20 16:10
Date Received: 06/12/20 19:10

Lab Sample ID: 570-30847-3
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	75471	06/14/20 09:40	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA-4
Date Collected: 06/12/20 15:43
Date Received: 06/12/20 19:10

Lab Sample ID: 570-30847-4
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	75471	06/14/20 10:37	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA-5
Date Collected: 06/12/20 18:00
Date Received: 06/12/20 19:10

Lab Sample ID: 570-30847-5
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	75471	06/14/20 11:52	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA-6
Date Collected: 06/12/20 15:50
Date Received: 06/12/20 19:10

Lab Sample ID: 570-30847-6
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	75471	06/14/20 12:42	UJHY	ECL 2
	Instrument ID: GCMSYY									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job ID: 570-30847-1

Client Sample ID: IA-7

Lab Sample ID: 570-30847-7

Date Collected: 06/12/20 17:20

Matrix: Air

Date Received: 06/12/20 19:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	75471	06/14/20 13:39	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: OA

Lab Sample ID: 570-30847-8

Date Collected: 06/12/20 16:35

Matrix: Air

Date Received: 06/12/20 19:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	75471	06/14/20 14:39	UJHY	ECL 2
	Instrument ID: GCMSYY									

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job ID: 570-30847-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Nevada	State	CA00111	07-31-20
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job ID: 570-30847-1

Method	Method Description	Protocol	Laboratory
TO-15 SIM	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	EPA-21	ECL 2

Protocol References:

EPA-21 = "Compendium Of Methods For The Determination Of Toxic Organic Compounds In Ambient Air", Second Edition, EPA/625/R-96/010B, January 1999

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job ID: 570-30847-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-30847-1	IA-1	Air	06/12/20 16:50	06/12/20 19:10	Air Canister (6-Liter) #D184
570-30847-2	IA-2	Air	06/12/20 16:02	06/12/20 19:10	Air Canister (6-Liter) #D758
570-30847-3	IA-3	Air	06/12/20 16:10	06/12/20 19:10	Air Canister (6-Liter) #D526
570-30847-4	IA-4	Air	06/12/20 15:43	06/12/20 19:10	Air Canister (6-Liter) #D503
570-30847-5	IA-5	Air	06/12/20 18:00	06/12/20 19:10	Air Canister (6-Liter) #D575
570-30847-6	IA-6	Air	06/12/20 15:50	06/12/20 19:10	Air Canister (6-Liter) #D891
570-30847-7	IA-7	Air	06/12/20 17:20	06/12/20 19:10	Air Canister (6-Liter) #D924
570-30847-8	OA	Air	06/12/20 16:35	06/12/20 19:10	Air Canister (6-Liter) #D863

Loc: 570

30847

eurofins | Calscience

570-30847 Chain of Custody

AIR CHAIN OF CUSTODY RECORD

DATE: 6/12/2020

PAGE: 1 OF 1 SB

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: GEOSYNTEC CONSULTANTS	CLIENT PROJECT NAME / NUMBER: PHZOUSIFW2/ 26713	P.O. NO.: 4500164078
ADDRESS: 211 E. OCEAN BLVD	PROJECT ADDRESS: 1211 BADILLO ST.	LAB CONTACT OR QUOTE NO.:
CITY: LONG BEACH, CA STATE: CA ZIP: 90802	CITY: WEST COVINA STATE: CA ZIP:	SAMPLER(S): (PRINT) STEPH BONE
TEL: E-MAIL: mtantichel@geosyntec.com msmaile@geosyntec.com	PROJECT CONTACT: MULLTAPATCH	

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☒ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ EDD ☐ UNITS _____

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES: TO-15 SIM

LAB USE ONLY	SAMPLE ID	FIELD ID / POINT OF COLLECTION	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Media ID #	Canister Size 6L or 1L	Flow Controller ID #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	TO-15 SIM
1	IA-1	IA-1	I	D184	6L	FC202	6/12/2020	0853	-31	6/12/2020	1450	-4.71	X
2	IA-2	IA-2	I	D758		FC302		0757	-30		1602	-3.56	X
3	IA-3	IA-3	I	D526		FC487		0754	-30		1610	-5.26	X
4	IA-4	IA-4	I	D503		FC440		0805	-30		1543	-4.95	X
5	IA-5	IA-5	I	D575		FC187		0745	-32		1800 1648	-11.98	X
6	IA-6	IA-6	I	D891		FC443		0738	-29		1550	-4.25	X
7	IA-7	IA-7	I	D924		FC438		0940	-30		1720	-6.42	X
8	OA	OA	A	D863		FC70		0747	-31		1035	-7.90	X

Relinquished by: (Signature) Stephanie Bone GEOSYNTEC STEPHANIE BONE	Received by: (Signature/Affiliation) Danny Le	Date: 6/12/20	Time: 19:10
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

6/16/2020

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 570-30847-1

Login Number: 30847
List Number: 1
Creator: Liao, Gineyau

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Summa Canister Dilution Worksheet

Client: Geosyntec Consultants, Inc.
Project/Site: PN20651FW2/267B

Job No.: 570-30847-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
570-30847-1	6	-29.5	-5.4	0.82	4.92	-2.65223	0.82	4.92		1.00	1.00	AIR MG-4	06/12/20 22:02	S8WJ
570-30847-2	6	-29.5	-4.2	0.86	5.16	-2.06285	0.86	5.16		1.00	1.00	AIR MG-4	06/12/20 22:03	S8WJ
570-30847-3	6	-29.5	-6.0	0.80	4.80	-2.94692	0.80	4.80		1.00	1.00	AIR MG-4	06/12/20 22:07	S8WJ
570-30847-4	6	-29.5	-7.6	0.75	4.48	-3.73277	0.75	4.48		1.00	1.00	AIR MG-4	06/12/20 22:08	S8WJ
570-30847-5	6	-29.5	-12.4	0.59	3.51	-6.09031	0.59	3.51		1.00	1.00	AIR MG-4	06/12/20 22:08	S8WJ
570-30847-6	6	-29.5	-1.6	0.95	5.68	-0.785847	0.95	5.68		1.00	1.00	AIR MG-4	06/12/20 22:09	S8WJ
570-30847-7	6	-29.5	-7.2	0.76	4.56	-3.53631	0.76	4.56		1.00	1.00	AIR MG-4	06/12/20 22:10	S8WJ
570-30847-8	6	-29.5	-8.8	0.71	4.24	-4.32216	0.71	4.24		1.00	1.00	AIR MG-4	06/12/20 22:11	S8WJ

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)