

## **Wickham, Jerry, Env. Health**

---

**Subject:** RO254\_PHONE\_LOG\_2014-06-25  
**Entry Type:** Phone call  
**Start:** Wed 6/25/2014 4:06 PM  
**End:** Wed 6/25/2014 4:06 PM  
**Duration:** 0 hours

Phone call with Mark Williams of Bureau Veritas. We reviewed the soil sample results and planned additional excavation. The remedial product line excavation will be extended east to the tank area and the western end of the excavation will be squared off to include all of the dispenser area.

**TABLE 1**  
**Diesel Line Excavation**  
**Soil Analytical Results-TPH and VOCs**

1800 1/2 Powell Street  
Emeryville, California  
Project No. 33113-013188.03

Sample Identification		DE-1-N	DE-1-S	DE-1-E	DE-1-W	RWQCB ESL - Commercial
Sample Depth (feet bgs)		6-May	6-May	6-May	6-May	
Sample Date		6/20/2014	6/20/2014	6/20/2014	6/20/2014	
VOCs (µg/kg)	Benzene	<b>1,800</b>	<4.9	<5	<460	44
	Toluene	<b>7,200</b>	<4.9	<5	<b>1,100</b>	2,900
	Ethylbenzene	<b>16,000</b>	<4.9	<5	<b>7,400</b>	3,300
	Total Xylenes	<b>92,000</b>	<b>14</b>	<b>23</b>	<b>48,000</b>	2,300
	Ethanol	<440	<980	<1,000	<46,000	--
	Methyl Tert-Butyl Ether (MTBE)	<440	<4.9	<5	<460	23
	Tert-Amyl Methyl Ether (TAME)	<440	<4.9	<5	<460	--
	Ethyl Tert-Butyl Ether (ETBE)	<440	<4.9	<5	<460	--
	Ethylene Dibromide (EDB)	<440	<4.9	<5	<460	--
	Ethylene Dichloride (EDC)	<440	<4.9	<5	<460	--
	Tert-Butyl Alcohol (TBA)	<870	<98	<100	<930	75
	Diisopropyl Ether (DIPE)	<440	<4.9	<5	<460	--
Naphthalene (mg/kg)		<b>12</b>	<b>2.3</b>	<b>0.26</b>	<b>12</b>	1,200
Diesel Range Organics (DRO) (mg/kg)		<b>740</b>	<b>110</b>	<b>1,200</b>	<b>800</b>	110
Motor Oil Range Organics (MRO) (mg/kg)		<250	<b>170</b>	<b>2,100</b>	<b>420</b>	500

**Notes:**

Volatile organic compounds (VOC) samples reported in micrograms per kilogram (µg/Kg)

Diesel Range Organics (DRO) samples reported in milligrams per kilogram (mg/Kg)

Motor Oil Range Organics (MRO) samples reported in milligrams per kilogram (mg/Kg)

<4,800 = not detected above analytical laboratory reporting limit (elevated reporting limits due to dilution)

RWQCB ESL = Regional Water Quality Control Board Environmental Screening Level for Commercial land use (RWQCB, Table A-2, December 2013).

Protection Agency, Use of CHHSLs in Evaluation of Contaminated Properties -- January 2005 (updated October 2010).

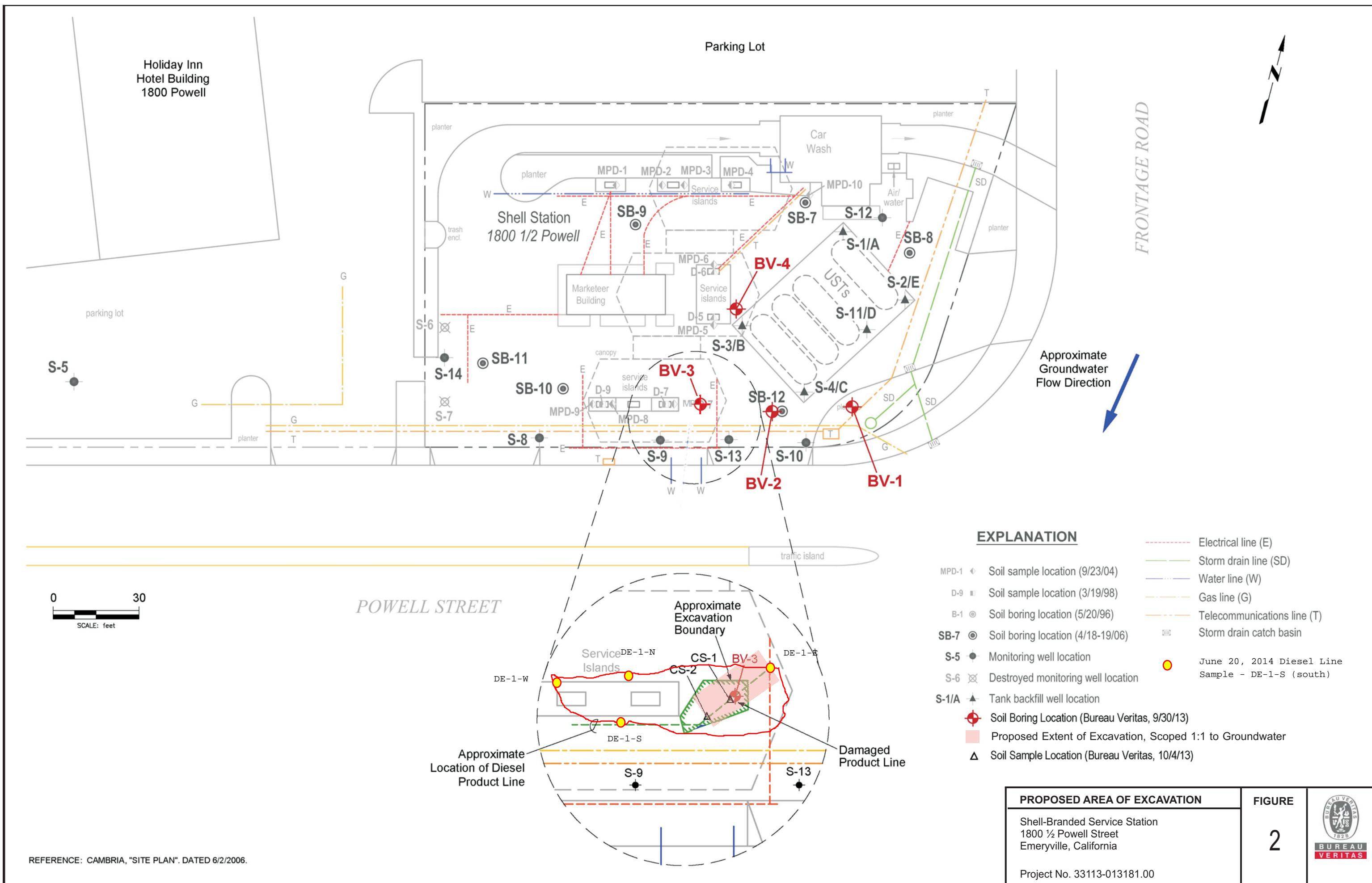
DRO analyzed by EPA Method 8015B

VOCs analyzed by EPA Method 8260

SVOC Naphthalene analyzed by EPA Method 8270

**Bolded** values denote concentrations detected above laboratory reporting limits and above ESL

-- = Not Established



Parking Lot

Holiday Inn Hotel Building  
1800 Powell

Shell Station  
1800 1/2 Powell

Marketeer Building

Car Wash

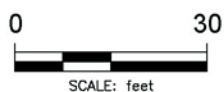
FRONTAGE ROAD

POWELL STREET

Approximate  
Groundwater  
Flow Direction

**EXPLANATION**

- MPD-1 ◀ Soil sample location (9/23/04)
- D-9 ■ Soil sample location (3/19/98)
- B-1 ⊙ Soil boring location (5/20/96)
- SB-7 ⊙ Soil boring location (4/18-19/06)
- S-5 ● Monitoring well location
- S-6 ⊗ Destroyed monitoring well location
- S-1/A ▲ Tank backfill well location
- ⊕ Soil Boring Location (Bureau Veritas, 9/30/13)
- Proposed Extent of Excavation, Scoped 1:1 to Groundwater
- ▲ Soil Sample Location (Bureau Veritas, 10/4/13)
- Electrical line (E)
- Storm drain line (SD)
- Water line (W)
- Gas line (G)
- Telecommunications line (T)
- ⊠ Storm drain catch basin
- June 20, 2014 Diesel Line Sample - DE-1-S (south)



REFERENCE: CAMBRIA, "SITE PLAN". DATED 6/2/2006.

<p><b>PROPOSED AREA OF EXCAVATION</b></p>	<p><b>FIGURE</b></p>	
<p>Shell-Branded Service Station 1800 1/2 Powell Street Emeryville, California</p>	<p>2</p>	
<p>Project No. 33113-013181.00</p>		