



General Services Agency

Darlene Smith, Director

BUILDING MAINTENANCE DEPARTMENT
4400 MacArthur Boulevard
Oakland, California 94619
Telephone (510) 535-6200
FAX (510) 535-6245

Hilton T. Hunt, Deputy Director
GSA-Building Maintenance Department

May 5, 1993

TO: Jeff Shapiro, Hazardous Materials Specialist

FROM: Peter Kinney, Environmental Engineer

SUBJECT: CONFIRMING TELECOM OF MAY 4, 1993
STOCKPILE @ OLD SANTA RITA JAIL @ UST's 11 & 12

The information below details our ^{May}telecom of May 4, 1993. We have an earth moving contractor scheduled for Monday, ~~April~~ ^{May}10, 1993 to start work. If you have any questions or comments please let me know.

Attached you will find a sketch of the soil stockpiles for Tanks 11 & 12 excavation. I have also included the lab results for the stockpiles sampling.

Stockpile #2 & #4 contain soil from the top 20 feet of the excavation which was not impacted. This soil will be transported to a location approximately 100 yards east of the excavation and spread out in a 1' to 2' layer.

Also soil in stockpiles #1, #3 & #5 where:

Item no. 1.

- A. Both top and bottom samples in one section were ND for TPH-Gasoline and Benzene; and
- B. Levels were below 94PPB for toluene, ethyl benzene and xylenes in the same section. See attached lab report for results.

Item no. 1 will be considered clean.

Jeff Shapiro
May 5, 1993
Page 2

Please note: These sections are highlighted yellow on the sketch
& identified as:

SP3-A-AA
SP3-F-FF
SP3-G-GG
SP3-H-HH
SP3-J-JJ
SP5-J-JJ
SP5-P-PP
SP5-O-OO
SP1-I-II
SP1-L-LL

Item no. 2.

- A. The average value for TPH-Gasoline was less than 1 PPM in the top and bottom sample of one section;
- B. Levels were below 15PPB for toluene, ethyl benzene and xylenes in the same section; and
- C. Benzene at ND.

Item no. 2 will be considered clean.

Please note: These sections are highlighted blue on the sketch
and identified as:

SP3-L-LL
SP3-O-OO
SP5-K-KK
SP1-N-NN

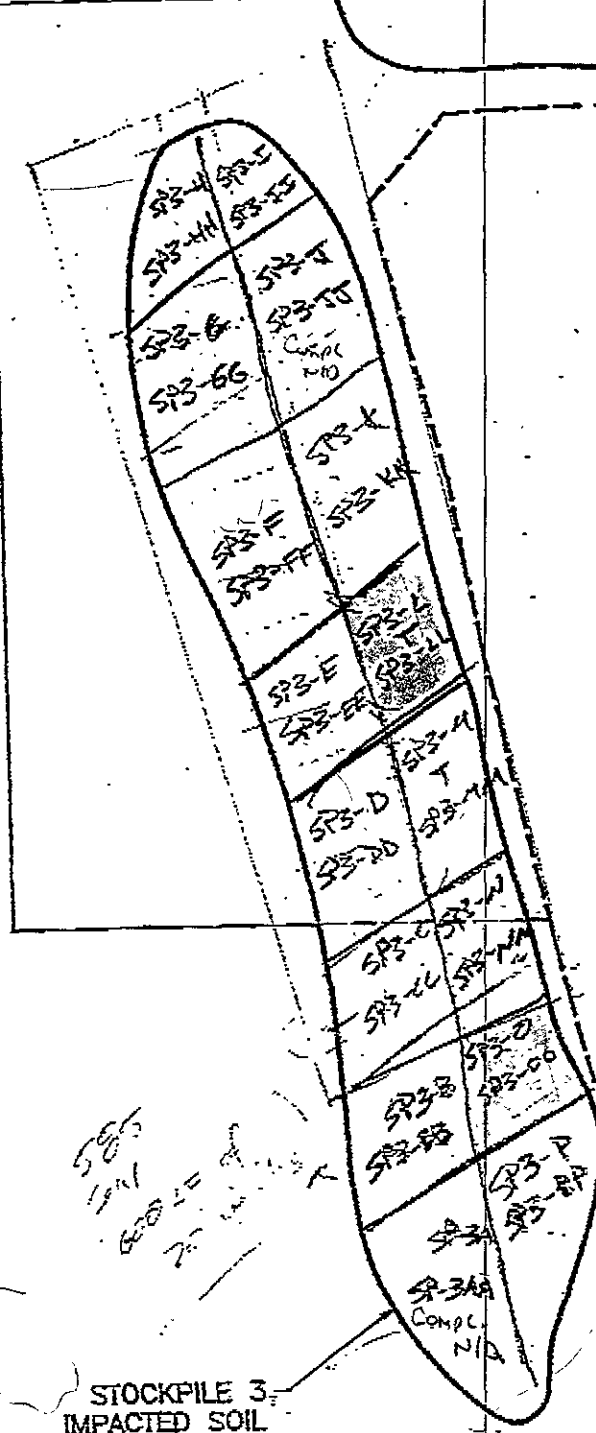
The soil identified in items no. 1 and no. 2 above will be transported to the same area described above.

attachments

PCK,pvk:HZM000121
93-7033 Bldg. # 2282

cc: Jim de Vos

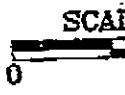
STOCKPILE 4
NONIMPACTED SOIL
APPROXIMATELY 380 CUBIC YARDS

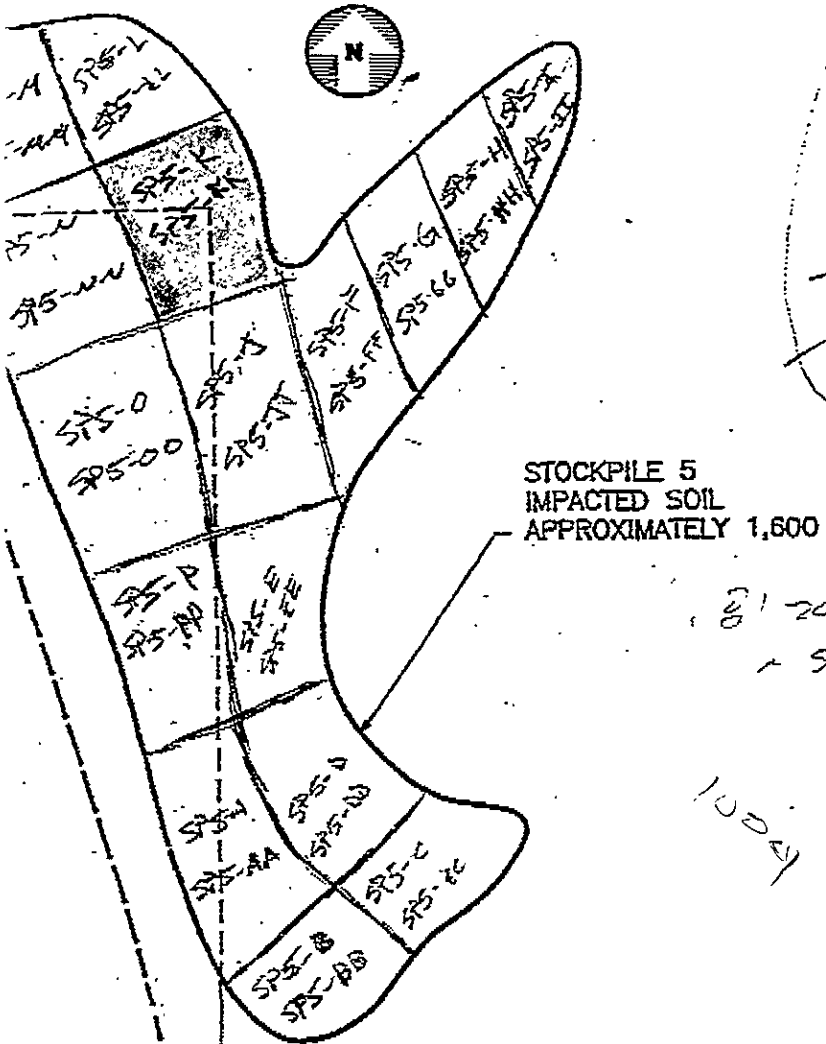


113

STOCKPILE 3
IMPACTED SOIL
APPROXIMATELY 1,560 CUBIC YARDS

STOCKPILE 2
NONIMPACTED SOIL
APPROXIMATELY 1,075 CUBIC



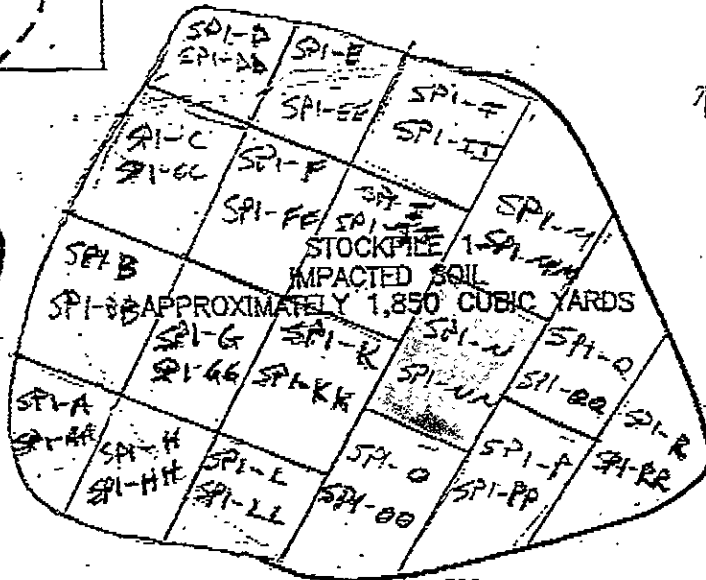



Field notes

SOIL TYPE
Relative homogeneity
Amt. debris
other obs.
- odor
- staining

concentration site
- carry water?
hydrocarbons

approx time



 Environmental Science & Engineering, Inc. <small>A CECO Group Company</small>	DATE	PROJ. NO.	ALAMEDA COUNTY GSA SANTA RITA JAIL FACILITY DUBLIN, CALIFORNIA
	3/93	6-93-6036	
4090 NELSON AVENUE, SUITE J CONCORD, CA 94520	DRAWN BY	CAD FILE	FIGURE 1: EXCAVATED SOIL STOCKPILES (MARCH, 1993)
	DWR	50562011	
	APPROVED BY	REVISED	
		xx/92	

FRETT

Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: Santa Rita Jail, Old Grays- tone Stockpiles; #6935062	Date Sampled: 04/19/93
	Client Contact: Susan Wickham, Peter Kinney	Date Received: 04/20/93
	Client P.O: Ala. Co. #141-7925-00	Date Extracted: 04/20-04/26/93
		Date Analyzed: 04/20-04/26/93

Low Boiling Point (C6-C12) TPH* as Gasoline and BTEX*

EPA methods 8015, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GC/FID(5030)

Lab ID	Client ID	Matrix	TPH(G) ⁺	Benzene	Toluene	Ethyl Ben- zene	Xylenes	% Rec. Sur- rogate
30173	SP-3A	S	ND	ND	ND	ND	ND	106
30174	SP-3AA	S	ND	ND	ND	ND	ND	107
30175	SP-3B	S	ND	ND	ND	ND	ND	108
30176	SP-3BB	S	100,b,e	ND < 0.025	0.17	0.27	0.58	98
30177	SP3-C	S	280,b,e	ND < 0.05	0.22	0.57	2.5	97
30178	SP3-CC	S	1.2,e	ND	0.010	0.010	0.041	112
30179	SP3-D	S	230,b,c	ND < 0.025	0.15	0.13	2.4	101
30180	SP3-DD	S	1.7,b	ND	ND	ND	0.015	108
30181	SP3-E	S	920,b,c	1.0	12	13	96	110
30182	SP3-EE	S	1900,b,e	4.2	45	32	210	107
30183	SP3-F	S	ND	ND	ND	ND	0.020	112
30184	SP3-FF	S	ND	ND	ND	ND	0.010	110
30185	SP3-G	S	ND	ND	ND	ND	ND	110
30186	SP3-GG	S	ND	ND	0.008	0.008	0.040	109
30187	SP3-H	S	ND	ND	ND	ND	0.017	114
Detection Limit unless otherwise stated; ND means Not Detected	W	50 ug/L	0.5	0.5	0.5	0.5		
	S	1.0 mg/kg	0.005	0.005	0.005	0.005		

*water samples are reported in ug/L and soils in mg/kg

*cluttered chromatogram; sample peak co-elutes with surrogate peak

⁺ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) predominately unmodified or weakly modified gasoline; b) heavier gasoline range compounds predominate (aged gasoline?); c) lighter gasoline range compounds predominate (the most mobile gasoline compounds); d) heavy and light gasoline range compounds predominate (aged gasoline together with introduced light compounds?); e) gasoline range compounds predominate; no recognizable pattern; f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds predominate.

Edward Hamilton, Lab Director

Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: Santa Rita Jail, Old Grays- tone Stockpiles; #6935062	Date Sampled: 04/19/93
		Date Received: 04/20/93
	Client Contact: Susan Wickham, Peter Kinney	Date Extracted: 04/20-04/26/93
	Client P.O: Ala. Co. #141-7925-00	Date Analyzed: 04/20-04/26/93

Low Boiling Point (C6-C12) TPH* as Gasoline and BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(G) ⁺	Benzene	Toluene	Ethyl Ben- zene	Xylenes	% Rec. Sur- rogate
30188	SP3-HH	S	ND	ND	0.006	ND	0.093	106
30189	SP3-I	S	5.6,e	ND	0.015	0.012	0.018	112
30190	SP3-II	S	1.5,e	ND	ND	ND	0.013	109
30191	SP3-J	S	ND	ND	ND	ND	ND	111
30192	SP3-JJ	S	ND	ND	ND	ND	ND	107
30193	SP3-K	S	ND	ND	ND	ND	ND	109
30194	SP3-KK	S	7.3,b,e	ND	0.036	0.023	0.096	107
30195	SP3-L	S	1.5,e	ND	0.006	0.006	0.014	109
30196	SP3-LL	S	ND	ND	ND	ND	0.013	111
30197	SP3-M	S	5.1,b,e	ND	0.007	0.006	0.024	108
30198	SP3-MM	S	ND	ND	0.006	ND	0.016	110
30199	SP3-N	S	2.5,e	ND	0.005	0.006	0.012	107
30200	SP3-NN	S	1800,b,e	ND < 0.5	4.6	32	130	101
30201	SP3-O	S	ND	ND	ND	ND	0.006	112
30202	SP3-OO	S	1.2,e	ND	ND	ND	0.011	108
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

*water samples are reported in ug/L and soils in mg/kg

#cluttered chromatogram; sample peak co-elutes with surrogate peak

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) predominately unmodified or weakly modified gasoline; b) heavier gasoline range compounds predominate (aged gasoline?); c) lighter gasoline range compounds predominate (the most mobile gasoline compounds); d) heavy and light gasoline range compounds predominate (aged gasoline together with introduced light compounds?); e) gasoline range compounds predominate; no recognizable pattern; f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds predominate.

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553

Tele: 510-798-1620 Fax: 510-798-1622

Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: Santa Rita Jail, Old Grays- tone Stockpiles; #6935062	Date Sampled: 04/19/93
		Date Received: 04/20/93
	Client Contact: Susan Wickham, Peter Kinney	Date Extracted: 04/20-04/26/93
	Client P.O.: Ala. Co. #141-7925-00	Date Analyzed: 04/20-04/26/93

Low Boiling Point (C6-C12) TPH* as Gasoline and BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(G) ⁺	Benzene	Toluene	Ethyl Ben- zene	Xylenes	% Rec. Sur- rogate
30218	SP5-GG	S	600,b,e	60	320	150	1000	108
30219	SP5-H	S	1.1,e	ND	0.007	ND	0.007	110
30220	SP5-HH	S	38,b,e	ND	0.020	0.080	0.071	108
30221	SP5-I	S	ND	ND	ND	ND	ND	112
30222	SP5-II	S	2.2,e	ND	ND	ND	0.007	114
30223	SP5-J	S	ND	ND	0.006	ND	0.021	118
30224	SP5-JJ	S	ND	ND	ND	ND	0.008	102
30225	SP5-K	S	ND	ND	ND	ND	ND	116
30226	SP5-KK	S	1.4,e	ND	0.005	ND	0.009	110
30227	SP5-L	S	180,b,e	ND < 0.1	ND < 0.1	0.22	0.39	96
30228	SP5-LL	S	170,e	ND < 0.1	0.25	0.90	2.9	91
30229	SP5-M	S	130,e	ND < 0.05	ND < 0.05	0.67	1.7	100
30230	SP5-MM	S	1100,b,e	0.66	21	18	130	112
30231	SP5-N	S	2.0,e	ND	ND	0.006	0.011	109
30232	SP5-NN	S	97,b,e	ND	0.030	0.18	0.67	103
Detection Limit unless otherwise stated; ND means Not Detected	W	50 ug/L	0.5	0.5	0.5	0.5		
	S	1.0 mg/kg	0.005	0.005	0.005	0.005		

*water samples are reported in ug/L and soils in mg/kg

*cluttered chromatogram; sample peak co-elutes with surrogate peak

* The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) predominately unmodified or weakly modified gasoline; b) heavier gasoline range compounds predominate (aged gasoline?); c) lighter gasoline range compounds predominate (the most mobile gasoline compounds); d) heavy and light gasoline range compounds predominate (aged gasoline together with introduced light compounds?); e) gasoline range compounds predominate; no recognizable pattern; f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds predominate.

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: Santa Rita Jail, Old Grays- tone Stockpiles; #6933062	Date Sampled: 04/19/93
	Client Contact: Susan Wickham, Peter Kinney	Date Received: 04/20/93
	Client P.O.: Ala. Co. #141-7925-00	Date Extracted: 04/20-04/26/93
		Date Analyzed: 04/20-04/26/93

Low Boiling Point (C6-C12) TPH* as Gasoline and BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(G) ⁺	Benzene	Toluene	Ethyl Ben- zene	Xylenes	% Rec. Sur- rogate
30203	SP3-P	S	15,e	ND	ND	0.051	0.041	119 [#]
30204	SP3-PP	S	1.5,e	ND	ND	ND	0.007	104
30205	SP5-A	S	ND	ND	ND	ND	0.006	107
30206	SP5-AA	S	2.4,e	ND	ND	ND	0.009	108
30207	SP5-B	S	2.1,e	ND	0.006	0.009	0.033	115
30208	SP5-BB	S	6.9,e	ND	0.013	0.020	0.028	114
30209	SP5-C	S	120,e	ND < 0.05	0.18	0.44	0.43	108
30210	SP5-CC	S	84,e	0.009	0.027	0.064	0.19	102
30211	SP5-D	S	ND	ND	ND	ND	ND	115
30212	SP5-DD	S	440,b,e	ND < 0.1	1.0	2.4	1.9	115
30213	SP5-E	S	23,b,e	ND	0.015	0.071	0.077	92
30214	SP5-EE	S	ND	ND	ND	ND	ND	108
30215	SP5-F	S	290,b,e	ND < 0.05	0.18	0.84	0.91	111
30216	SP5-FF	S	16,b	ND	ND	ND	0.018	93
30217	SP5-G	S	5.0,e	ND	ND	0.011	0.010	110
Detection Limit unless otherwise stated; ND means Not Detected	W	50 ug/L	0.5	0.5	0.5	0.5		
	S	1.0 mg/kg	0.005	0.005	0.005	0.005		

*water samples are reported in ug/L and soils in mg/kg

*cluttered chromatogram; sample peak co-elutes with surrogate peak

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) predominately unmodified or weakly modified gasoline; b) heavier gasoline range compounds predominate (aged gasoline?); c) lighter gasoline range compounds predominate (the most mobile gasoline compounds); d) heavy and light gasoline range compounds predominate (aged gasoline together with introduced light compounds?); e) gasoline range compounds predominate; no recognizable pattern; f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds predominate.

Edward Hamilton, Lab Director

Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: Santa Rita Jail, Old Grays- tonic Stockpiles; #6935062	Date Sampled: 04/19/93
	Client Contact: Susan Wickham, Peter Kinncy	Date Received: 04/20/93
	Client P.O: Ala. Co. #141-7925-00	Date Extracted: 04/20-04/26/93
		Date Analyzed: 04/20-04/26/93

Low Boiling Point (C6-C12) TPH* as Gasoline and BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GC/FID(5030)

Lab ID	Client ID	Matrix	TPH(G) ⁺	Benzene	Toluene	Ethyl Ben- zene	Xylenes	% Rec. Sur- rogate
30233	SP5-P	S	ND	ND	ND	ND	0.013	106
30234	SP5-PP	S	ND	ND	ND	ND	ND	108
30235	SP5-O	S	ND	ND	0.005	ND	0.012	106
30236	SP5-OO	S	ND	ND	0.007	ND	0.021	108
30237	SP1-A	S	ND	ND	ND	ND	ND	108
30238	SP1-AA	S	2.5,e	ND	ND	0.006	0.042	103
30239	SP1-B	S	6.5,e	ND	0.015	0.018	0.022	104
30240	SP1-BB	S	ND	ND	ND	ND	0.009	105
30241	SP1-C	S	4.5,b,e	ND	ND	ND	ND	107
30242	SP1-CC	S	1.2,e	ND	0.008	ND	0.015	109
30243	SP1-D	S	93,e	ND < 0.05	0.13	0.40	0.34	103
30244	SP1-DD	S	1000,b,e	ND < 0.1	0.72	2.1	6.8	104
30245	SP1-E	S	240,c	ND < 0.25	1.2	1.0	2.7	96
30246	SP1-EE	S	10,e	ND	0.007	0.032	0.018	90
30247	SP1-H	S	610,c	0.86	3.1	3.7	8.7	102
Detection Limit unless otherwise stated; ND means Not Detected	W	50 ug/L	0.5	0.5	0.5	0.5		
	S	1.0 mg/kg	0.005	0.005	0.005	0.005		

*water samples are reported in ug/L and soils in mg/kg

*cluttered chromatogram; sample peak co-clutes with surrogate peak

* The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) predominately unmodified or weakly modified gasoline; b) heavier gasoline range compounds predominate (aged gasoline?); c) lighter gasoline range compounds predominate (the most mobile gasoline compounds); d) heavy and light gasoline range compounds predominate (aged gasoline together with introduced light compounds?); e) gasoline range compounds predominate; no recognizable pattern; f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds predominate.

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553

Tel: 510-798-1620 Fax: 510-798-1622

Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: Santa Rita Jail, Old Graystone Stockpiles; #6935062	Date Sampled: 04/20/93
	Client Contact: Pat Galvin, Peter Kinney	Date Received: 04/20/93
	Client P.O: Ala. Co. #141-7925-00	Date Extracted: 04/26-04/27/93
		Date Analyzed: 04/26-04/27/93

Low Boiling Point (C6-C12) TPH* as Gasoline and BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(G) ⁺	Benzene	Toluene	Ethyl Benzene	Xylenes	% Rec. Surrogate
30282	SP1-I	S	ND	ND	ND	ND	ND	103
30283	SP1-II	S	ND	ND	ND	ND	ND	104
30284	SP1-J	S	ND	ND	0.018	0.005	0.022	103
30285	SP1-JJ	S	5.0,e	ND	0.006	0.011	0.009	107
30286	SP1-K	S	ND	ND	ND	ND	ND	104
30287	SP1-KK	S	2.0,e	ND	ND	ND	0.014	104
30288	SP1-L	S	ND	ND	ND	ND	ND	109
30289	SP1-LL	S	ND	ND	ND	ND	ND	107
30290	SP1-M	S	8.6,e	ND	0.005	0.022	0.018	92
30291	SP1-MM	S	ND	ND	ND	ND	ND	108
30292	SP1-N	S	ND	ND	ND	ND	ND	107
30293	SP1-NN	S	1.4,e	ND	ND	ND	0.014	108
30294	SP1-O	S	ND	ND	ND	ND	ND	109
30295	SP1-OO	S	12,c	ND	ND	ND	0.026	96
30296	SP1-P	S	8.8,e	ND	0.010	0.025	0.022	95
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

*water samples are reported in ug/L and soils in mg/kg

*cluttered chromatogram; sample peak co-elutes with surrogate peak

⁺ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) predominately unmodified or weakly modified gasoline; b) heavier gasoline range compounds predominate (aged gasoline?); c) lighter gasoline range compounds predominate (the most mobile gasoline compounds); d) heavy and light gasoline range compounds predominate (aged gasoline together with introduced light compounds?); e) gasoline range compounds predominate; no recognizable pattern; f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds predominate.

Edward Hamilton, Lab Director

