

District I
P O Box 1980, Hobbs, NM
District II
P O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

80045
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility or: HARGRAVE A #3
Well Name

Location: Unit or Qtr/Qtr Sec B Sec 16 T 27 R 10 County San Juan

Pit Type: Separator Dehydrator Other BLOW

Land Type: BLM X, State , Fee , Other Lease # SF-077382

Pit location: Remedy & Fuel Pit dimensions: length 12', width 15', depth 12'
(Attorney's Office) GAS INSPECTOR

Reference: wellhead X other

DEC 11 9 1996

Footage from reference: 70

Direction from reference: 60 Degrees X East North X
of
 West South

Depth To Ground Water:
(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 Points) 10

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

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DIST. 3

Yes (20 points)
No (0 points) 0

Distance To Surface Water:

(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 8/9/94

Remediation Method: Excavation ☒ Approx. cubic yards 80
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 12'

Sample date 8-9-94 Sample time _____

Sample Results

Benzene(ppm) 0.176

Total BTEX(ppm) 16.203

Field headspace(ppm) 398

TPH ND

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 9/16/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

CLIENT Amoco/EP

ENVIROTECH Inc.
5796 US HWY 64, FARMINGTON, NM 87401
(505) 632-0615

PIT NO: 140045
COC NO 3845

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92
PAGE No: 1 of 1

LOCATION: NAME: Highway 4 WELL # 2 PIT: Bl-20

QUAD/UNIT: B SEC: 16 TWP: 27N RNG: 10W BM: 11MFM CNTY: CO STATE: NM

QTR/FOOTAGE: _____ CONTRACTOR: EP ENVIRONMENTAL SPECIALIST: _____

SOIL REMEDIATION: EXCAVATION APPROX. 12 FT. x 15 FT. x 12 FT. DEEP.

DISPOSAL FACILITY: Dr. Green Landfill CUBIC YARDAGE: 80

LAND USE: Oil Ref. LEASE: 10 Acres

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 70 FEET N FROM WELLHEAD.

DEPTH TO GROUNDWATER: >50' NEAREST WATER SOURCE: 200' NEAREST SURFACE WATER: 100'

NMCD RANKING SCORE 10 NMCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: Contaminator appears to be water based oil, light brown, 11' deep.

FIELD 418: CALCULATING

SAMPLE NO. LAB NO. WEIGHT (g) mL FREQN. DILUTION READING CALCD. ppm

SAMPLE NO.	FIELD	HEADSPACE
1	211	3.7
2	211	1.7
3	211	2.7
4	211	17.5
5	212	2.3

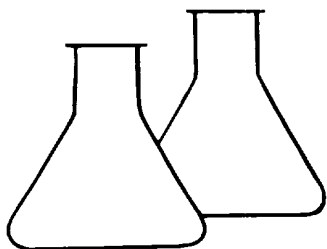
LAB SAMPLED
5/12/91 JEP

SCALE
0 FEET
PIT PERIMETER

OVM RESULTS

PIT PROFILE

TRAVEL NOTES: Calculated ONE



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	AMOCO	Project #:	92140
Sample ID:	5@12'	Date Sampled:	08-09-94
Laboratory Number:	7794	Date Received:	08-09-94
Sample Matrix:	Soil	Date Analyzed:	08-12-94
Preservative:	Cool	Date Reported:	08-12-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	ND	30.0

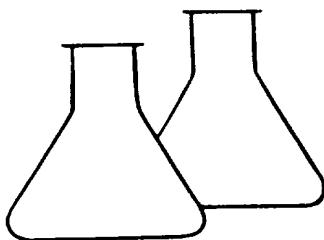
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and
Waste, USEPA Storet No.4551, 1978

Comments: HARGRAVE A#3 BLOW PIT A0095

Rex L. Haffin
Analyst

Meris D. Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	AMOCO	Project #:	92140
Sample ID:	5@12'	Date Reported:	08-16-94
Laboratory Number:	7794	Date Sampled:	08-09-94
Sample Matrix:	Soil	Date Received:	08-09-94
Preservative:	Cool	Date Extracted:	08-12-94
Condition:	Cool & Intact	Date Analyzed:	08-15-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	176	19.3
Toluene	287	19.3
Ethylbenzene	1470	12.9
p,m-Xylene	11400	19.3
o-Xylene	2870	19.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Bromofluorobenzene	102 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: HARGRAVE A#3 BLOWPIT A0095

Ray A. Gauffin
Analyst

Maris D. Young
Review

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PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility or: HARGRAVE A #3
Well Name

Location: Unit or Qtr/Qtr Sec B Sec 16 T 27N R 10W County San Juan

Pit Type: Separator Dehydrator other drip line

Land Type: BLM X, State , Fee , other Fed lease SF-077382

Pit Location: Pit dimensions: length 10, width 10, depth 10
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 110

Direction from reference: 30 Degrees East North X
of
X West South

Depth To Ground Water:
(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 Points) 10

Wellhead Protection Area:
(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

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DEPT. 3

Yes (20 points) 0
No (0 points)

Distance To Surface Water:
(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 8/9/94 Date Completed: 8/9/94

Remediation Method: Excavation ☒ Approx. cubic yards 37
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation ☐

Other ☐

Remediation Location: Onsite ☒ Offsite ☐
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: Excavation

Ground Water Encountered: No ☒ Yes ☐ Depth

Final Pit: Sample location see Attached Documents

Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 10'
Sample date 8-9-94 Sample time

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 0.742

Field headspace(ppm) 502

TPH ND

Ground Water Sample: Yes ☐ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 8/9/94

SIGNATURE B.D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

CLIENT: Amor / CPC

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

FILE NO. 100-443887

()

FIELD REPORT: CLOSURE VERIFICATION

JCE No: 22/49

PAGE NO: 1 of 1

LOCATION: NAME: *Harvey* WELL #: *5* PIT: *Gravel*

DATE STARTED: 8-7-62

QUAD/UNIT: E SEC: 5 TWP: 27N RNG: 10W BM: 1400 CNTY: SC ST: SC

DATE FINISHED: _____

GTR/FOOTAGE

CONTRACTOR: *LPC*

ENVIRONMENTAL
SPECIALIST *R. J.*

SOIL REMEDIATION: EXCAVATION APPROX. 15 FT. x 15 FT. x 1 FT. DEEP.

DISPOSAL FACILITY: City of Los Angeles CUBIC YARDAGE: 37

LAND USE: BLP-P... LEASE: ... SF-0-709

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 110 FEET N30°W FROM WELLHEAD.

DEPTH TO GROUNDWATER: 750' NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 71000'

NMCCD RANKING SCORE: 10 NMCCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: *Thin, grey, silty clay, with some roots.*

Correspondence: *Journal of the American Academy of Child and Adolescent Psychiatry*, 1999, 38, 10, 1291-1296.

FIELD 418: CALCULATIONS

SAMPLE NO.	LAB No:	WEIGHT (g)	Vol. (mL)	FREQ.	DILUTION	READING (CALC.)	ccm
1	1	1.000	10.00	1.00	1.00	1.00	1.00
2	2	1.000	10.00	1.00	1.00	1.00	1.00
3	3	1.000	10.00	1.00	1.00	1.00	1.00
4	4	1.000	10.00	1.00	1.00	1.00	1.00
5	5	1.000	10.00	1.00	1.00	1.00	1.00
6	6	1.000	10.00	1.00	1.00	1.00	1.00
7	7	1.000	10.00	1.00	1.00	1.00	1.00
8	8	1.000	10.00	1.00	1.00	1.00	1.00
9	9	1.000	10.00	1.00	1.00	1.00	1.00
10	10	1.000	10.00	1.00	1.00	1.00	1.00
11	11	1.000	10.00	1.00	1.00	1.00	1.00
12	12	1.000	10.00	1.00	1.00	1.00	1.00
13	13	1.000	10.00	1.00	1.00	1.00	1.00
14	14	1.000	10.00	1.00	1.00	1.00	1.00
15	15	1.000	10.00	1.00	1.00	1.00	1.00
16	16	1.000	10.00	1.00	1.00	1.00	1.00
17	17	1.000	10.00	1.00	1.00	1.00	1.00
18	18	1.000	10.00	1.00	1.00	1.00	1.00
19	19	1.000	10.00	1.00	1.00	1.00	1.00
20	20	1.000	10.00	1.00	1.00	1.00	1.00
21	21	1.000	10.00	1.00	1.00	1.00	1.00
22	22	1.000	10.00	1.00	1.00	1.00	1.00
23	23	1.000	10.00	1.00	1.00	1.00	1.00
24	24	1.000	10.00	1.00	1.00	1.00	1.00
25	25	1.000	10.00	1.00	1.00	1.00	1.00
26	26	1.000	10.00	1.00	1.00	1.00	1.00
27	27	1.000	10.00	1.00	1.00	1.00	1.00
28	28	1.000	10.00	1.00	1.00	1.00	1.00
29	29	1.000	10.00	1.00	1.00	1.00	1.00
30	30	1.000	10.00	1.00	1.00	1.00	1.00
31	31	1.000	10.00	1.00	1.00	1.00	1.00
32	32	1.000	10.00	1.00	1.00	1.00	1.00
33	33	1.000	10.00	1.00	1.00	1.00	1.00
34	34	1.000	10.00	1.00	1.00	1.00	1.00
35	35	1.000	10.00	1.00	1.00	1.00	1.00
36	36	1.000	10.00	1.00	1.00	1.00	1.00
37	37	1.000	10.00	1.00	1.00	1.00	1.00
38	38	1.000	10.00	1.00	1.00	1.00	1.00
39	39	1.000	10.00	1.00	1.00	1.00	1.00
40	40	1.000	10.00	1.00	1.00	1.00	1.00
41	41	1.000	10.00	1.00	1.00	1.00	1.00
42	42	1.000	10.00	1.00	1.00	1.00	1.00
43	43	1.000	10.00	1.00	1.00	1.00	1.00
44	44	1.000	10.00	1.00	1.00	1.00	1.00
45	45	1.000	10.00	1.00	1.00	1.00	1.00
46	46	1.000	10.00	1.00	1.00	1.00	1.00
47	47	1.000	10.00	1.00	1.00	1.00	1.00
48	48	1.00					

SCALE

0

FEET

PIT PERIMETER

OVM RESULTS

SAMPLE	FIELD HEADSPACE
2	P.O. 300m

1.01	4.3
1.02	6.2
1.03	1.7
1.04	1.9
1.05	502

1. *Chlorophyll a* (Chl *a*)
 2. *Chlorophyll b* (Chl *b*)
 3. *Chlorophyll c* (Chl *c*)
 4. *Chlorophyll d* (Chl *d*)
 5. *Chlorophyll e* (Chl *e*)
 6. *Chlorophyll f* (Chl *f*)
 7. *Chlorophyll g* (Chl *g*)
 8. *Chlorophyll h* (Chl *h*)
 9. *Chlorophyll i* (Chl *i*)
 10. *Chlorophyll j* (Chl *j*)
 11. *Chlorophyll k* (Chl *k*)
 12. *Chlorophyll l* (Chl *l*)
 13. *Chlorophyll m* (Chl *m*)
 14. *Chlorophyll n* (Chl *n*)
 15. *Chlorophyll o* (Chl *o*)
 16. *Chlorophyll p* (Chl *p*)
 17. *Chlorophyll q* (Chl *q*)
 18. *Chlorophyll r* (Chl *r*)
 19. *Chlorophyll s* (Chl *s*)
 20. *Chlorophyll t* (Chl *t*)
 21. *Chlorophyll u* (Chl *u*)
 22. *Chlorophyll v* (Chl *v*)
 23. *Chlorophyll w* (Chl *w*)
 24. *Chlorophyll x* (Chl *x*)
 25. *Chlorophyll y* (Chl *y*)
 26. *Chlorophyll z* (Chl *z*)
 27. *Chlorophyll aa* (Chl *aa*)
 28. *Chlorophyll ab* (Chl *ab*)
 29. *Chlorophyll ac* (Chl *ac*)
 30. *Chlorophyll ad* (Chl *ad*)
 31. *Chlorophyll ae* (Chl *ae*)
 32. *Chlorophyll af* (Chl *af*)
 33. *Chlorophyll ag* (Chl *ag*)
 34. *Chlorophyll ah* (Chl *ah*)
 35. *Chlorophyll ai* (Chl *ai*)
 36. *Chlorophyll aj* (Chl *aj*)
 37. *Chlorophyll ak* (Chl *ak*)
 38. *Chlorophyll al* (Chl *al*)
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0 - 1076

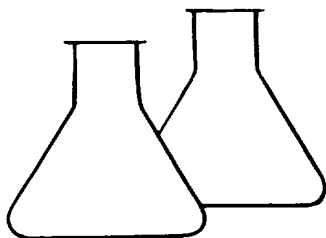
PIT PROFILE

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TRAVEL NOTES

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

ONE - 11



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	AMOCO	Project #:	92140
Sample ID:	5@10'	Date Sampled:	08-09-94
Laboratory Number:	7795	Date Received:	08-09-94
Sample Matrix:	Soil	Date Analyzed:	08-12-94
Preservative:	Cool	Date Reported:	08-12-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	ND	30.0

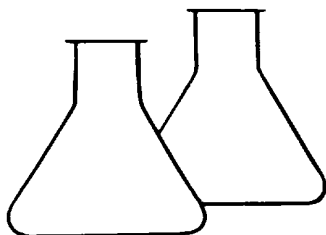
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: HARGRAVE A#3 LINE DRIP PIT A0095

Reed Griffin
Analyst

Mari S. Young
Review



ENVIROTECH LABS

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EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	AMOCO	Project #:	92140
Sample ID:	5010'	Date Reported:	08-16-94
Laboratory Number:	7795	Date Sampled:	08-09-94
Sample Matrix:	Soil	Date Received:	08-09-94
Preservative:	Cool	Date Extracted:	08-12-94
Condition:	Cool & Intact	Date Analyzed:	08-15-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
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Benzene	ND	19.8
Toluene	29	19.8
Ethylbenzene	203	13.2
p,m-Xylene	302	19.8
o-Xylene	208	19.8

SURROGATE RECOVERIES:	Parameter	Percent Recovery
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	Trifluorotoluene	53 %
	Bromofluorobenzene	87 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: HARGRAVE A#3 LINE DRIP PIT A0095

Rex L. Griffin
Analyst

Morris D. Young
Review