3 2 0063

Region 3,2

4710

SOIL AND GROUNDWATER SAMPLING RESULTS
CHEVRON NPL SITE
ORLANDO, FL
JUNE 1995

The following tables summarize the results for soil and groundwater samples collected from the Chevron Site during April 18 to April 20 and analyzed by EPA Region 4.

3 2 0064

TABLE 1
PRP SPLIT SAMPLES - SOIL
CHEVRON CHEMICAL NPL SITE
ORLANDO, FLORIDA
APRIL, 1995

	CC-101 SURFACE SOIL 04/18/95 1420	CC-102 SURFACE SOIL 04/18/95 1425
INORGANIC ELEMENTS	MG/KG	MG/KG
BARIUM	18	1.6
CHROMIUM	5.5	--
COPPER	4.3	--
LEAD	7.3	2.2
STRONTIUM	52	2.6
TITANIUM	49	22
VANADIUM	4.4	--
YTTRIUM	2.5	--
ZINC	15	1.4
MERCURY	0.06	0.03
ALUMINUM	4700	480
MANGANESE	5.6	1.6
CALCIUM	3300	680
MAGNESIUM	110	18
IRON	1700	350
PESTICIDE/PCB COMPOUNDS	UG/KG	UG/KG
HEPTACHLOR EPOXIDE	5.8J	--
4,4'-DDT (P,P'-DDT)	250	7.5J
4,4'-DDE (P,P'-DDE)	250	30
4,4'-DDD (P,P'-DDD)	47N	--
ALPHA-CHLORDENE /2	4.1J	--
GAMMA-CHLORDENE /2	4.5J	--
GAMMA-CHLORDANE /2	71	7.9J
TRANS-NONACHLOR /2	75N	3.5JN
ALPHA-CHLORDANE /2	71	5.8J
CIS-NONACHLOR /2	50N	--
ENDRIN KETONE	17	--
OP-DDT	43N	--
OP-DDD	16	--

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FOOTNOTES
NA - NOT ANALYZED
J - ESTIMATED VALUE
N - PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
-- - MATERIAL WAS ANALYZED FOR BUT NOT DETECTED

3 2 0065

TABLE 2
PRP SPLIT SAMPLES - GROUNDWATER
CHEVRON CHEMICAL NPL SITE
ORLANDO, FLORIDA
APRIL, 1995

	CC-MW2S MONITOR WELL 04/20/95 0945	CC-MW2D DEEP WELL 04/20/95 1010	CC-MW4D DEEP WELL 04/20/95 1545	CC-MW9 MONITOR WELL 04/20/95 1500	CC-MW11 MONITOR WELL 04/19/95 1030
INORGANIC ELEMENTS	UG/L	UG/L	UG/L	UG/L	UG/L
BARIUM	110	36	17	690	76
CADMIUM	--	--	--	7.7	--
CHROMIUM	2200	--	21	65	10
COPPER	11	16	28	100	--
NICKEL	110	25	31	--	--
LEAD	14	6.0	--	190	--
STRONTIUM	450	170	69	3400	180
TITANIUM	81	--	--	200	13
VANADIUM	48	29	30	62	--
YTTRIUM	12	--	12	160	--
ZINC	--	17	25	35	--
MERCURY	--	--	--	0.51	--
ALUMINUM	19000	2700	1400	63000	2800
MANGANESE	13	--	--	10	120
	MG/L	MG/L	MG/L	MG/L	MG/L
CALCIUM	3.1	0.99	0.70	5.6	20
MAGNESIUM	0.84	0.82	0.56	1.6	15
IRON	8.7	0.81	0.98	4.4	0.25
SODIUM	180	38	35	100	10
POTASSIUM	--	3.0	--	--	6.1
PESTICIDE/PCB COMPOUNDS	UG/L	UG/L	UG/L	UG/L	UG/L
ALPHA-BHC	--	0.24	5.7	0.28	--
BETA-BHC	--	0.89	2.8	0.40	--
DELTA-BHC	--	0.72	11	0.29	
4,4'-DDE (P,P'-DDE)	--	--	--	0.078J	--
4,4'-DDD (P,P'-DDD)	--	--	--	0.22J	--
OP-DDD	--	--	--	0.18J	--
EXTRACTABLE ORGANIC COMPOUNDS	UG/L	UG/L	UG/L	UG/L	UG/L
2-METHYLNAPHTHALENE	--	14	28	11	--
1,2,4-TRICHLOROBENZENE	--	--	11	--	--
NAPHTHALENE	--	5.8J	12	6.5J	--
ACENAPHTHENE	--	--	--	1.7J	--
FLUORENE	--	--	1.2J	2.7J	--
PHENANTHRENE	--	--	--	1.3J	--
2-CHLOROPHENOL	--	1.9J	--	--	--
(3-AND/OR 4-)METHYLPHENOL	--	--	1.5J	--	--

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TABLE 2
PRP SPLIT SAMPLES - GROUNDWATER
CHEVRON CHEMICAL NPL SITE
ORLANDO, FLORIDA
APRIL, 1995

	CC-MW2S MONITOR WELL 04/20/95 0945	CC-MW2D DEEP WELL 04/20/95 1010	CC-MW4D DEEP WELL 04/20/95 1545	CC-MW9 MONITOR WELL 04/20/95 1500	CC-MW11 MONITOR WELL 04/19/95 1030
EXTRACTABLE ORGANIC COMPOUNDS	UG/L	UG/L	UG/L	UG/L	UG/L
2,4-DIMETHYLPHENOL	--	4.0J	4.0J	7.0J	--
METHOXYMETHYLBENZENE	--	30JN	--	--	--
1-METHYLNAPHTHALENE	--	40JN	--	--	--
DICHLOROPHENOL (NOT 2,4-)	--	60JN	--	--	--
[(DIMETHYLETHYL)PHENOXY]ETHANOL	--	20JN	--	--	--
5 UNIDENTIFIED COMPOUNDS	--	200J	--	--	--
BENZENEDIOL, MONOACETATE	--	--	100JN	--	--
1 UNIDENTIFIED COMPOUND	--	--	100J	--	--
DIMETHYLPHENOL (NOT 2,4-)	--	--	--	80JN	--
TRIMETHYLPHENOL	--	--	--	700JN	--
(TET[illegible]METHYLBUTYL)PHENOL	--	50JN	90[illegible]	200JN	--
PURGEABLE ORGANIC COMPOUNDS	UG/L	UG/L	UG/L	UG/L	UG/L
CHLOROETHANE	--	--	--	1.9J	--
CARBON DISULFIDE	--	--	5.6J	2.5J	--
1,1-DICHLOROETHANE	--	--	0.59J	4.8J	--
CIS-1,2-DICHLOROETHENE	--	--	0.67J	--	--
CHLOROFORM	--	--	0.66J	--	--
BENZENE	--	--	4.3J	2.2J	--
TOLUENE	--	--	4.8J	--	--
CHLOROBENZENE	--	--	17	3.6J	--
ETHYL BENZENE	--	65	330	1.8J	--
(M- AND/OR P-)XYLENE	--	180	160	0.92J	--
O-XYLENE	--	72	750	1.8J	--
1,4-DICHLOROBENZENE	--	4.0J	10	1.8J	--
1,2-DICHLOROBENZENE	--	--	3.6J	--	--
1,2,4-TRICHLOROBENZENE	--	5.8J	17	--	--
1,2,3-TRICHLRORBENZENE	--	--	2.2J	--	--
ETHYLMETHYLBENZENE (3 ISOMERS)	--	--	200JN	--	--
1,2,3-TRIMETHYLBENZENE	--	--	200J	--	--
ISOPROPYLBENZENE	--	5.4J	22	1.0J	--
N-PROPYLBENZENE	--	10J	61	2.1J	--
1,3,5-TRIMETHYLBENZENE	--	11J	210	1.4J	--
1,2,4-TRIMETHYLBENZENE	--	33	990	3.8J	--
SEC-BUTYLBENZENE	--	--	2.6J	0.61J	--
P-ISOPROPYLTOLUENE	--	--	0.72J	0.89J	--
N-BUTYLBENZENE	--	--	1.2J	0.58J	--
PROPENYLBENZENE	--	--	80JN	5JN	--
PETROLEUM PRODUCT	--	--	N	N	--

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FOOTNOTES

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J - ESTIMATED VALUE
N - PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
-- - MATERIAL WAS ANALYZED FOR BUT NOT DETECTED