HAZARDOUS WASTE SECTION - COMPLIANCE BRANCH
FILE TRANSMITTAL & DATA ENTRY FORM

Your Name: Phil Orozco

Facility ID Number: NCS000002043

Facility Name: CJ Iron & Metal

Document Group: General (G)

Document Type: G - Correspondence (C)

File Description/Comments: Soil sample results showing soil contaminated with lead.

Date of Document: 8/9/2011

Author(s) of Document: Enco Labs

Inspector ID #: NC018

Suborganization: Eastern Region

County (if not on report): WARREN

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ANALYTICAL RESULTS

Description: SP
Matrix: Soil
Project: C & J Auto Salvage

Lab Sample ID: C109944-01
Sampled: 08/09/11 09:33
Sampled By: Kirk Pollard

Received: 08/09/11 12:30
Work Order: C109944
% Solids: 83.81

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	ND		ug/kg dry	1	0.19	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/kg dry	1	0.30	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/kg dry	1	0.24	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/kg dry	1	0.27	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,1-Dichloroethane [75-34-3] ^	ND		ug/kg dry	1	0.30	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,1-Dichloroethene [75-35-4] ^	ND		ug/kg dry	1	0.36	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,1-Dichloropropene [563-58-6] ^	ND		ug/kg dry	1	0.18	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/kg dry	1	0.32	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,2,3-Trichloropropane [96-18-4] ^	ND		ug/kg dry	1	0.76	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/kg dry	1	0.32	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	ND		ug/kg dry	1	0.20	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/kg dry	1	0.94	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,2-Dibromoethane [106-93-4] ^	ND		ug/kg dry	1	0.55	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/kg dry	1	0.32	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,2-Dichloroethane [107-06-2] ^	ND		ug/kg dry	1	0.45	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,2-Dichloropropane [78-87-5] ^	ND		ug/kg dry	1	0.31	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	ND		ug/kg dry	1	0.24	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/kg dry	1	0.26	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,3-Dichloropropane [142-28-9] ^	ND		ug/kg dry	1	0.35	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/kg dry	1	0.24	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
2,2-Dichloropropane [594-20-7] ^	ND		ug/kg dry	1	0.27	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
2-Butanone [78-93-3] ^	ND		ug/kg dry	1	0.93	6.0	1H10005	EPA 8260B	08/10/11 19:38	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	ND		ug/kg dry	1	1.7	6.0	1H10005	EPA 8260B	08/10/11 19:38	JKG	
2-Chlorotoluene [95-49-8] ^	ND		ug/kg dry	1	0.21	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
2-Hexanone [591-78-6] ^	ND		ug/kg dry	1	0.89	6.0	1H10005	EPA 8260B	08/10/11 19:38	JKG	
4-Chlorotoluene [106-43-4] ^	ND		ug/kg dry	1	0.31	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
4-Isopropyltoluene [99-87-6] ^	ND		ug/kg dry	1	0.19	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/kg dry	1	0.68	6.0	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Acetone [67-64-1] ^	ND		ug/kg dry	1	1.7	6.0	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Benzene [71-43-2] ^	ND		ug/kg dry	1	0.20	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Bromobenzene [108-86-1] ^	ND		ug/kg dry	1	0.26	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Bromochloromethane [74-97-5] ^	ND		ug/kg dry	1	0.49	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Bromodichloromethane [75-27-4] ^	ND		ug/kg dry	1	0.29	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Bromoform [75-25-2] ^	ND		ug/kg dry	1	0.54	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Bromomethane [74-83-9] ^	ND		ug/kg dry	1	0.38	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Carbon disulfide [75-15-0] ^	ND		ug/kg dry	1	0.47	6.0	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Carbon Tetrachloride [56-23-5] ^	ND		ug/kg dry	1	0.26	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Chlorobenzene [108-90-7] ^	ND		ug/kg dry	1	0.20	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Chloroethane [75-00-3] ^	ND		ug/kg dry	1	0.30	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Chloroform [67-66-3] ^	ND		ug/kg dry	1	0.21	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Chloromethane [74-87-3] ^	ND		ug/kg dry	1	0.25	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/kg dry	1	0.27	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/kg dry	1	0.20	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Dibromochloromethane [124-48-1] ^	ND		ug/kg dry	1	0.42	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Dibromomethane [74-95-3] ^	ND		ug/kg dry	1	0.39	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/kg dry	1	0.54	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Ethylbenzene [100-41-4] ^	ND		ug/kg dry	1	0.24	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Hexachlorobutadiene [87-68-3] ^	ND		ug/kg dry	1	0.42	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	

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Description: SP	**Lab Sample ID:** C109944-01	**Received:** 08/09/11 12:30
Matrix: Soil	**Sampled:** 08/09/11 09:33	**Work Order:** C109944
Project: C & J Auto Salvage	**Sampled By:** Kirk Pollard	**% Solids:** 83.81

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Isopropyl Ether [108-20-3] ^	ND		ug/kg dry	1	0.21	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Isopropylbenzene [98-82-8] ^	ND		ug/kg dry	1	0.18	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/kg dry	1	0.44	2.4	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Methylene Chloride [75-09-2] ^	ND		ug/kg dry	1	0.87	2.4	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/kg dry	1	0.36	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Naphthalene [91-20-3] ^	ND		ug/kg dry	1	0.32	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
n-Butyl Benzene [104-51-8] ^	ND		ug/kg dry	1	0.16	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
n-Propyl Benzene [103-65-1] ^	ND		ug/kg dry	1	0.21	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
o-Xylene [95-47-6] ^	ND		ug/kg dry	1	0.26	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
sec-Butylbenzene [135-98-8] ^	ND		ug/kg dry	1	1.1	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Styrene [100-42-5] ^	ND		ug/kg dry	1	1.2	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
tert-Butylbenzene [98-06-6] ^	ND		ug/kg dry	1	0.20	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Tetrachloroethene [127-18-4] ^	ND		ug/kg dry	1	0.33	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Toluene [108-88-3] ^	ND		ug/kg dry	1	0.29	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/kg dry	1	0.44	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/kg dry	1	0.47	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Trichloroethene [79-01-6] ^	ND		ug/kg dry	1	0.38	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Trichlorofluoromethane [75-69-4] ^	ND		ug/kg dry	1	0.31	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Vinyl chloride [75-01-4] ^	ND		ug/kg dry	1	0.29	1.2	1H10005	EPA 8260B	08/10/11 19:38	JKG	
Xylenes (Total) [1330-20-7] ^	ND		ug/kg dry	1	0.67	3.6	1H10005	EPA 8260B	08/10/11 19:38	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*97 %*	*61-118*	*1H10005*	*EPA 8260B*	*08/10/11 19:38*	*JKG*	
Dibromofluoromethane	*39*	*1*	*50.0*	*78 %*	*66-114*	*1H10005*	*EPA 8260B*	*08/10/11 19:38*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*63-118*	*1H10005*	*EPA 8260B*	*08/10/11 19:38*	*JKG*	

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Description: SP
Matrix: Soil
Project: C & J Auto Salvage

Lab Sample ID: C109944-01
Sampled: 08/09/11 09:33
Sampled By: Kirk Pollard

Received: 08/09/11 12:30
Work Order: C109944
% Solids: 83.81

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/kg dry	20	620	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/kg dry	20	550	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/kg dry	20	480	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/kg dry	20	500	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
1-Methylnaphthalene [90-12-0] ^	ND		ug/kg dry	20	640	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/kg dry	20	670	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/kg dry	20	740	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
2-Chloronaphthalene [91-58-7] ^	ND		ug/kg dry	20	670	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
2-Methylnaphthalene [91-57-6] ^	ND		ug/kg dry	20	670	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
2-Nitroaniline [88-74-4] ^	ND		ug/kg dry	20	720	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/kg dry	20	2300	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
3-Nitroaniline [99-09-2] ^	ND		ug/kg dry	20	860	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/kg dry	20	640	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
4-Chloroaniline [106-47-8] ^	ND		ug/kg dry	20	2200	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/kg dry	20	620	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
4-Nitroaniline [100-01-6] ^	ND		ug/kg dry	20	1300	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Acenaphthene [83-32-9] ^	ND		ug/kg dry	20	670	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Acenaphthylene [208-96-8] ^	ND		ug/kg dry	20	670	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Anthracene [120-12-7] ^	ND		ug/kg dry	20	910	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Benzidine [92-87-5] ^	ND		ug/kg dry	20	2600	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Benzo(a)anthracene [56-55-3] ^	ND		ug/kg dry	20	670	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Benzo(a)pyrene [50-32-8] ^	ND		ug/kg dry	20	790	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/kg dry	20	430	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/kg dry	20	1100	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/kg dry	20	790	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Benzyl alcohol [100-51-6] ^	ND		ug/kg dry	20	550	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
bis(2-Chloroethoxy)methane [111-91-1] ^	ND		ug/kg dry	20	600	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Bis(2-Chloroethyl)ether [111-44-4] ^	ND		ug/kg dry	20	1000	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/kg dry	20	570	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Bis(2-Ethylhexyl)phthalate [117-81-7] ^	**49000**	D	ug/kg dry	20	840	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Butylbenzylphthalate [85-68-7] ^	ND		ug/kg dry	20	950	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Carbazole [86-74-8] ^	ND		ug/kg dry	20	790	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Chrysene [218-01-9] ^	ND		ug/kg dry	20	720	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/kg dry	20	1200	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Dibenzofuran [132-64-9] ^	ND		ug/kg dry	20	640	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Diethylphthalate [84-66-2] ^	ND		ug/kg dry	20	670	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Dimethylphthalate [131-11-3] ^	ND		ug/kg dry	20	790	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Di-n-butylphthalate [84-74-2] ^	**2700**	JD	ug/kg dry	20	980	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Di-n-octylphthalate [117-84-0] ^	**1200**	JD	ug/kg dry	20	790	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Fluoranthene [206-44-0] ^	ND		ug/kg dry	20	860	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Fluorene [86-73-7] ^	ND		ug/kg dry	20	690	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Hexachlorobenzene [118-74-1] ^	ND		ug/kg dry	20	620	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Hexachlorobutadiene [87-68-3] ^	ND		ug/kg dry	20	620	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/kg dry	20	930	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Hexachloroethane [67-72-1] ^	ND		ug/kg dry	20	500	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/kg dry	20	1100	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Isophorone [78-59-1] ^	ND		ug/kg dry	20	720	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Nitrobenzene [98-95-3] ^	ND		ug/kg dry	20	620	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
N-Nitrosodimethylamine [62-75-9] ^	ND		ug/kg dry	20	500	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/kg dry	20	1900	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05

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Matrix: Soil	**Sampled:** 08/09/11 09:33	**Work Order:** C109944
Project: C & J Auto Salvage	**Sampled By:** Kirk Pollard	**% Solids:** 83.81

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/kg dry	20	1300	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Phenanthrene [85-01-8] ^	ND		ug/kg dry	20	640	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Pyrene [129-00-0] ^	ND		ug/kg dry	20	910	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05
Pyridine [110-86-1] ^	ND		ug/kg dry	20	2000	7900	1H10041	EPA 8270D	08/16/11 22:04	DFM	R-05

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
2-Fluorobiphenyl	*1300*	*20*	*1990*	*66 %*	*56-120*	*1H10041*	*EPA 8270D*	*08/16/11 22:04*	*DFM*	*R-05*
Nitrobenzene-d5	*1000*	*20*	*1990*	*50 %*	*50-117*	*1H10041*	*EPA 8270D*	*08/16/11 22:04*	*DFM*	*R-05*
Terphenyl-d14	*1400*	*20*	*1990*	*70 %*	*36-151*	*1H10041*	*EPA 8270D*	*08/16/11 22:04*	*DFM*	*R-05*

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Description: SP	**Lab Sample ID:** C109944-01	**Received:** 08/09/11 12:30
Matrix: Soil	**Sampled:** 08/09/11 09:33	**Work Order:** C109944
Project: C & J Auto Salvage	**Sampled By:** Kirk Pollard	**% Solids:** 83.81

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**10**		mg/kg dry	1	1.7	6.6	1H11028	EPA 8015C	08/11/11 20:47	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*8.8*	*1*	*11.9*	*74 %*	*59-168*	*1H11028*	*EPA 8015C*	*08/11/11 20:47*	*bpk*	

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Description: SP	**Lab Sample ID:** C109944-01	**Received:** 08/09/11 12:30
Matrix: Soil	**Sampled:** 08/09/11 09:33	**Work Order:** C109944
Project: C & J Auto Salvage	**Sampled By:** Kirk Pollard	**% Solids:** 83.81

Diesel Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**3500**	D	mg/kg dry	10	4.1	39	1H12020	EPA 8015C	08/16/11 17:12	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.0*	*10*	*1.99*	*%*	*34-135*	*1H12020*	*EPA 8015C*	*08/16/11 17:12*	*MSZ*	*QS-04*

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Description:	SP	**Lab Sample ID:**	C109944-01	**Received:**	08/09/11 12:30
Matrix:	Soil	**Sampled:**	08/09/11 09:33	**Work Order:**	C109944
Project:	C & J Auto Salvage	**Sampled By:**	Kirk Pollard	**% Solids:**	83.81

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**6.67**		mg/kg dry	1	0.119	0.597	1H11020	EPA 6010C	08/12/11 11:25	JDH	
Barium [7440-39-3] ^	**68.8**		mg/kg dry	1	0.119	0.597	1H11020	EPA 6010C	08/12/11 11:25	JDH	
Cadmium [7440-43-9] ^	**0.721**		mg/kg dry	1	0.0115	0.0597	1H11020	EPA 6010C	08/12/11 11:25	JDH	
Chromium [7440-47-3] ^	**26.0**		mg/kg dry	1	0.119	0.597	1H11020	EPA 6010C	08/12/11 11:25	JDH	
Lead [7439-92-1] ^	**195**		mg/kg dry	1	0.143	0.597	1H11020	EPA 6010C	08/12/11 11:25	JDH	
Mercury [7439-97-6] ^	**0.178**		mg/kg dry	1	0.00728	0.0119	1H16011	EPA 7471B	08/16/11 15:42	NLH	
Selenium [7782-49-2] ^	ND		mg/kg dry	1	0.119	0.597	1H11020	EPA 6010C	08/12/11 11:25	JDH	
Silver [7440-22-4] ^	ND		mg/kg dry	1	0.119	0.597	1H11020	EPA 6010C	08/12/11 11:25	JDH	

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Description: SP	**Lab Sample ID:** C109944-01	**Received:** 08/09/11 12:30
Matrix: Soil	**Sampled:** 08/09/11 09:33	**Work Order:** C109944
Project: C & J Auto Salvage	**Sampled By:** Kirk Pollard	**% Solids:** 83.81

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Oil & Grease (HEM-SGT) Non-Polar Material [ECL-0104] ^	**1680**		mg/kg dry	1	59.7	59.7	1H16012	EPA 9071B	08/23/11 08:55	MJF	QM-06

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1H10005 - EPA 5035_MS

Blank (1H10005-BLK1) Prepared: 08/10/2011 08:13 Analyzed: 08/10/2011 10:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/kg wet							
1,1,1-Trichloroethane	0.25	U	1.0	ug/kg wet							
1,1,2,2-Tetrachloroethane	0.20	U	1.0	ug/kg wet							
1,1,2-Trichloroethane	0.23	U	1.0	ug/kg wet							
1,1-Dichloroethane	0.25	U	1.0	ug/kg wet							
1,1-Dichloroethene	0.30	U	1.0	ug/kg wet							
1,1-Dichloropropene	0.15	U	1.0	ug/kg wet							
1,2,3-Trichlorobenzene	0.27	U	1.0	ug/kg wet							
1,2,3-Trichloropropane	0.64	U	1.0	ug/kg wet							
1,2,4-Trichlorobenzene	0.27	U	1.0	ug/kg wet							
1,2,4-Trimethylbenzene	0.17	U	1.0	ug/kg wet							
1,2-Dibromo-3-chloropropane	0.79	U	1.0	ug/kg wet							
1,2-Dibromoethane	0.46	U	1.0	ug/kg wet							
1,2-Dichlorobenzene	0.27	U	1.0	ug/kg wet							
1,2-Dichloroethane	0.38	U	1.0	ug/kg wet							
1,2-Dichloropropane	0.26	U	1.0	ug/kg wet							
1,3,5-Trimethylbenzene	0.20	U	1.0	ug/kg wet							
1,3-Dichlorobenzene	0.22	U	1.0	ug/kg wet							
1,3-Dichloropropane	0.29	U	1.0	ug/kg wet							
1,4-Dichlorobenzene	0.20	U	1.0	ug/kg wet							
2,2-Dichloropropane	0.23	U	1.0	ug/kg wet							
2-Butanone	0.78	U	5.0	ug/kg wet							
2-Chloroethyl Vinyl Ether	1.4	U	5.0	ug/kg wet							
2-Chlorotoluene	0.18	U	1.0	ug/kg wet							
2-Hexanone	0.75	U	5.0	ug/kg wet							
4-Chlorotoluene	0.26	U	1.0	ug/kg wet							
4-Isopropyltoluene	0.16	U	1.0	ug/kg wet							
4-Methyl-2-pentanone	0.57	U	5.0	ug/kg wet							
Acetone	1.4	U	5.0	ug/kg wet							
Benzene	0.17	U	1.0	ug/kg wet							
Bromobenzene	0.22	U	1.0	ug/kg wet							
Bromochloromethane	0.41	U	1.0	ug/kg wet							
Bromodichloromethane	0.24	U	1.0	ug/kg wet							
Bromoform	0.45	U	1.0	ug/kg wet							
Bromomethane	0.32	U	1.0	ug/kg wet							
Carbon disulfide	0.39	U	5.0	ug/kg wet							
Carbon Tetrachloride	0.22	U	1.0	ug/kg wet							
Chlorobenzene	0.17	U	1.0	ug/kg wet							
Chloroethane	0.25	U	1.0	ug/kg wet							
Chloroform	0.18	U	1.0	ug/kg wet							
Chloromethane	0.21	U	1.0	ug/kg wet							
cis-1,2-Dichloroethene	0.23	U	1.0	ug/kg wet							
cis-1,3-Dichloropropene	0.17	U	1.0	ug/kg wet							
Dibromochloromethane	0.35	U	1.0	ug/kg wet							
Dibromomethane	0.33	U	1.0	ug/kg wet							
Dichlorodifluoromethane	0.45	U	1.0	ug/kg wet							
Ethylbenzene	0.20	U	1.0	ug/kg wet							
Hexachlorobutadiene	0.35	U	1.0	ug/kg wet							
Isopropyl Ether	0.18	U	1.0	ug/kg wet							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1H10005 - EPA 5035_MS

Blank (1H10005-BLK1) Continued Prepared: 08/10/2011 08:13 Analyzed: 08/10/2011 10:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Isopropylbenzene	0.15	U	1.0	ug/kg wet							
m,p-Xylenes	0.37	U	2.0	ug/kg wet							
Methylene Chloride	0.73	U	2.0	ug/kg wet							
Methyl-tert-Butyl Ether	0.30	U	1.0	ug/kg wet							
Naphthalene	0.27	U	1.0	ug/kg wet							
n-Butyl Benzene	0.13	U	1.0	ug/kg wet							
n-Propyl Benzene	0.18	U	1.0	ug/kg wet							
o-Xylene	0.22	U	1.0	ug/kg wet							
sec-Butylbenzene	0.95	U	1.0	ug/kg wet							
Styrene	0.98	U	1.0	ug/kg wet							
tert-Butylbenzene	0.17	U	1.0	ug/kg wet							
Tetrachloroethene	0.28	U	1.0	ug/kg wet							
Toluene	0.24	U	1.0	ug/kg wet							
trans-1,2-Dichloroethene	0.37	U	1.0	ug/kg wet							
trans-1,3-Dichloropropene	0.39	U	1.0	ug/kg wet							
Trichloroethene	0.32	U	1.0	ug/kg wet							
Trichlorofluoromethane	0.26	U	1.0	ug/kg wet							
Vinyl chloride	0.24	U	1.0	ug/kg wet							
Xylenes (Total)	0.56	U	3.0	ug/kg wet							
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*95*	*61-118*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*66-114*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*94*	*63-118*			

LCS (1H10005-BS1) Prepared: 08/10/2011 08:13 Analyzed: 08/10/2011 10:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		102	64-133			
Benzene	19		1.0	ug/L	20.0		97	79-129			
Chlorobenzene	20		1.0	ug/L	20.0		99	79-121			
Toluene	21		1.0	ug/L	20.0		103	77-120			
Trichloroethene	19		1.0	ug/L	20.0		94	78-118			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*61-118*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*89*	*66-114*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*63-118*			

Matrix Spike (1H10005-MS1) Prepared: 08/10/2011 08:13 Analyzed: 08/10/2011 11:16

Source: C109747-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.30 U	108	64-133			
Benzene	20		1.0	ug/L	20.0	0.17 U	102	79-129			
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	104	79-121			
Toluene	27		1.0	ug/L	20.0	0.24 U	133	77-120			QM-07
Trichloroethene	20		1.0	ug/L	20.0	0.32 U	101	78-118			
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*96*	*61-118*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*66-114*			
Surrogate: Toluene-d8	*49*			*ug/L*	*50.0*		*99*	*63-118*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1H10005 - EPA 5035_MS

Matrix Spike Dup (1H10005-MSD1) Prepared: 08/10/2011 08:13 Analyzed: 08/10/2011 11:45

Source: C109747-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.30 U	100	64-133	8	23	
Benzene	19		1.0	ug/L	20.0	0.17 U	95	79-129	7	23	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	101	79-121	4	25	
Toluene	21		1.0	ug/L	20.0	0.24 U	103	77-120	25	23	QM-11
Trichloroethene	18		1.0	ug/L	20.0	0.32 U	92	78-118	9	24	
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*61-118*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*85*	*66-114*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*93*	*63-118*			

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1H10041 - EPA 3550C_MS

Blank (1H10041-BLK1) Prepared: 08/10/2011 15:52 Analyzed: 08/11/2011 12:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	26	U	330	ug/kg wet							
1,2-Dichlorobenzene	23	U	330	ug/kg wet							
1,3-Dichlorobenzene	20	U	330	ug/kg wet							
1,4-Dichlorobenzene	21	U	330	ug/kg wet							
1-Methylnaphthalene	27	U	330	ug/kg wet							
2,4-Dinitrotoluene	28	U	330	ug/kg wet							
2,6-Dinitrotoluene	31	U	330	ug/kg wet							
2-Chloronaphthalene	28	U	330	ug/kg wet							
2-Methylnaphthalene	28	U	330	ug/kg wet							
2-Nitroaniline	30	U	330	ug/kg wet							
3,3'-Dichlorobenzidine	98	U	330	ug/kg wet							
3-Nitroaniline	36	U	330	ug/kg wet							
4-Bromophenyl-phenylether	27	U	330	ug/kg wet							
4-Chloroaniline	93	U	330	ug/kg wet							
4-Chlorophenyl-phenylether	26	U	330	ug/kg wet							
4-Nitroaniline	53	U	330	ug/kg wet							
Acenaphthene	28	U	330	ug/kg wet							
Acenaphthylene	28	U	330	ug/kg wet							
Anthracene	38	U	330	ug/kg wet							
Benzidine	110	U	330	ug/kg wet							
Benzo(a)anthracene	28	U	330	ug/kg wet							
Benzo(a)pyrene	33	U	330	ug/kg wet							
Benzo(b)fluoranthene	18	U	330	ug/kg wet							
Benzo(g,h,i)perylene	47	U	330	ug/kg wet							
Benzo(k)fluoranthene	33	U	330	ug/kg wet							
Benzyl alcohol	23	U	330	ug/kg wet							
bis(2-Chloroethoxy)methane	25	U	330	ug/kg wet							
Bis(2-Chloroethyl)ether	43	U	330	ug/kg wet							
Bis(2-chloroisopropyl)ether	24	U	330	ug/kg wet							
Bis(2-Ethylhexyl)phthalate	35	U	330	ug/kg wet							
Butylbenzylphthalate	40	U	330	ug/kg wet							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1H10041 - EPA 3550C_MS

Blank (1H10041-BLK1) Continued Prepared: 08/10/2011 15:52 Analyzed: 08/11/2011 12:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbazole	33	U	330	ug/kg wet							
Chrysene	30	U	330	ug/kg wet							
Dibenzo(a,h)anthracene	51	U	330	ug/kg wet							
Dibenzofuran	27	U	330	ug/kg wet							
Diethylphthalate	28	U	330	ug/kg wet							
Dimethylphthalate	33	U	330	ug/kg wet							
Di-n-butylphthalate	41	U	330	ug/kg wet							
Di-n-octylphthalate	33	U	330	ug/kg wet							
Fluoranthene	36	U	330	ug/kg wet							
Fluorene	29	U	330	ug/kg wet							
Hexachlorobenzene	26	U	330	ug/kg wet							
Hexachlorobutadiene	26	U	330	ug/kg wet							
Hexachlorocyclopentadiene	39	U	330	ug/kg wet							
Hexachloroethane	21	U	330	ug/kg wet							
Indeno(1,2,3-cd)pyrene	47	U	330	ug/kg wet							
Isophorone	30	U	330	ug/kg wet							
Nitrobenzene	26	U	330	ug/kg wet							
N-Nitrosodimethylamine	21	U	330	ug/kg wet							
N-Nitroso-di-n-propylamine	81	U	330	ug/kg wet							
N-nitrosodiphenylamine/Diphenylamine	54	U	330	ug/kg wet							
Phenanthrene	27	U	330	ug/kg wet							
Pyrene	38	U	330	ug/kg wet							
Pyridine	82	U	330	ug/kg wet							
Surrogate: 2-Fluorobiphenyl	*1500*			*ug/kg wet*	*1670*		*89*	*56-120*			
Surrogate: Nitrobenzene-d5	*1300*			*ug/kg wet*	*1670*		*79*	*50-117*			
Surrogate: Terphenyl-d14	*1700*			*ug/kg wet*	*1670*		*101*	*36-151*			

LCS (1H10041-BS1) Prepared: 08/10/2011 15:52 Analyzed: 08/11/2011 12:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1400		330	ug/kg wet	1670		82	51-121			
1,4-Dichlorobenzene	1300		330	ug/kg wet	1670		80	48-118			
2,4-Dinitrotoluene	1600		330	ug/kg wet	1670		95	63-127			
Acenaphthene	1400		330	ug/kg wet	1670		86	64-131			
N-Nitroso-di-n-propylamine	1400		330	ug/kg wet	1670		82	55-135			
Pyrene	1500		330	ug/kg wet	1670		90	65-146			
Surrogate: 2-Fluorobiphenyl	*1500*			*ug/kg wet*	*1670*		*91*	*56-120*			
Surrogate: Nitrobenzene-d5	*1500*			*ug/kg wet*	*1670*		*88*	*50-117*			
Surrogate: Terphenyl-d14	*1600*			*ug/kg wet*	*1670*		*98*	*36-151*			

Matrix Spike (1H10041-MS1) Prepared: 08/10/2011 15:52 Analyzed: 08/11/2011 16:35

Source: C109977-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1700		410	ug/kg dry	2090	33 U	79	51-121			
1,4-Dichlorobenzene	1600		410	ug/kg dry	2090	26 U	75	48-118			
2,4-Dinitrotoluene	1900		410	ug/kg dry	2090	35 U	92	63-127			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1H10041 - EPA 3550C_MS

Matrix Spike (1H10041-MS1) Continued Prepared: 08/10/2011 15:52 Analyzed: 08/11/2011 16:35

Source: C109977-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	1700		410	ug/kg dry	2090	35 U	83	64-131			
N-Nitroso-di-n-propylamine	1700		410	ug/kg dry	2090	100 U	81	55-135			
Pyrene	1800		410	ug/kg dry	2090	48 U	88	65-146			
Surrogate: 2-Fluorobiphenyl	*1800*			*ug/kg dry*	*2090*		*88*	*56-120*			
Surrogate: Nitrobenzene-d5	*1800*			*ug/kg dry*	*2090*		*85*	*50-117*			
Surrogate: Terphenyl-d14	*2000*			*ug/kg dry*	*2090*		*95*	*36-151*			

Matrix Spike Dup (1H10041-MSD1) Prepared: 08/10/2011 15:52 Analyzed: 08/11/2011 17:04

Source: C109977-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1600		410	ug/kg dry	2090	33 U	74	51-121	6	10	
1,4-Dichlorobenzene	1500		410	ug/kg dry	2090	26 U	71	48-118	6	13	
2,4-Dinitrotoluene	1800		410	ug/kg dry	2090	35 U	86	63-127	7	10	
Acenaphthene	1600		410	ug/kg dry	2090	35 U	79	64-131	6	19	
N-Nitroso-di-n-propylamine	1600		410	ug/kg dry	2090	100 U	76	55-135	6	10	
Pyrene	1700		410	ug/kg dry	2090	48 U	83	65-146	6	50	
Surrogate: 2-Fluorobiphenyl	*1700*			*ug/kg dry*	*2090*		*82*	*56-120*			
Surrogate: Nitrobenzene-d5	*1700*			*ug/kg dry*	*2090*		*81*	*50-117*			
Surrogate: Terphenyl-d14	*1800*			*ug/kg dry*	*2090*		*87*	*36-151*			

Gasoline Range Organics by GC - Quality Control

Batch 1H11028 - EPA 5035

Blank (1H11028-BLK1) Prepared: 08/11/2011 14:35 Analyzed: 08/11/2011 16:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	1.2	U	4.8	mg/kg wet							
Surrogate: 2,5-Dibromotoluene	*9.6*			*mg/kg wet*	*8.77*		*110*	*59-168*			

LCS (1H11028-BS1) Prepared: 08/11/2011 14:35 Analyzed: 08/11/2011 17:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	50		5.5	mg/kg wet	50.0		101	51-115			
Surrogate: 2,5-Dibromotoluene	*9.9*			*mg/kg wet*	*10.0*		*99*	*59-168*			

Matrix Spike (1H11028-MS1) Prepared: 08/11/2011 14:35 Analyzed: 08/11/2011 17:41

Source: C110013-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	42		5.5	mg/kg wet	50.0	1.4 U	84	45-162			
Surrogate: 2,5-Dibromotoluene	*9.6*			*mg/kg wet*	*10.0*		*96*	*59-168*			

Matrix Spike Dup (1H11028-MSD1) Prepared: 08/11/2011 14:35 Analyzed: 08/11/2011 18:12

QUALITY CONTROL

Gasoline Range Organics by GC - Quality Control

Batch 1H11028 - EPA 5035

Matrix Spike Dup (1H11028-MSD1) Continued Prepared: 08/11/2011 14:35 Analyzed: 08/11/2011 18:12

Source: C110013-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	44		5.5	mg/kg wet	50.0	1.4 U	88	45-162	5	24	
Surrogate: 2,5-Dibromotoluene	*9.2*			*mg/kg wet*	*10.0*		*92*	*59-168*			

Diesel Range Organics by GC - Quality Control

Batch 1H12020 - EPA 3550C

Blank (1H12020-BLK1) Prepared: 08/12/2011 15:30 Analyzed: 08/15/2011 12:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	0.34	U	3.3	mg/kg wet							
Surrogate: o-Terphenyl	*1.5*			*mg/kg wet*	*1.67*		*91*	*34-135*			

LCS (1H12020-BS1) Prepared: 08/12/2011 15:30 Analyzed: 08/15/2011 12:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	29		3.3	mg/kg wet	33.3		86	55-121			
Surrogate: o-Terphenyl	*1.7*			*mg/kg wet*	*1.67*		*102*	*34-135*			

Matrix Spike (1H12020-MS2) Prepared: 08/12/2011 15:30 Analyzed: 08/16/2011 15:12

Source: C110011-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	6700	D	89	mg/kg dry	45.0	810	NR	55-121			QM-17
Surrogate: o-Terphenyl	*0.0*	*U*		*mg/kg dry*	*2.25*			*34-135*			*QS-04*

Matrix Spike Dup (1H12020-MSD2) Prepared: 08/12/2011 15:30 Analyzed: 08/16/2011 15:42

Source: C110011-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	7600	D	89	mg/kg dry	45.0	810	NR	55-121	13	25	QM-17
Surrogate: o-Terphenyl	*0.0*	*U*		*mg/kg dry*	*2.25*			*34-135*			*QS-04*

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1H11020 - EPA 3050B

Blank (1H11020-BLK1) Prepared: 08/11/2011 11:48 Analyzed: 08/12/2011 11:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.100	U	0.500	mg/kg wet							
Barium	0.100	U	0.500	mg/kg wet							
Cadmium	0.00960	U	0.0500	mg/kg wet							
Chromium	0.100	U	0.500	mg/kg wet							
Lead	0.120	U	0.500	mg/kg wet							
Selenium	0.100	U	0.500	mg/kg wet							

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1H11020 - EPA 3050B

Blank (1H11020-BLK1) Continued Prepared: 08/11/2011 11:48 Analyzed: 08/12/2011 11:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Silver	0.100	U	0.500	mg/kg wet							

LCS (1H11020-BS1) Prepared: 08/11/2011 11:48 Analyzed: 08/12/2011 11:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	9.45		0.500	mg/kg wet	10.1		94	80-120			
Barium	9.98		0.500	mg/kg wet	10.1		99	80-120			
Cadmium	1.01		0.0500	mg/kg wet	1.01		100	80-120			
Chromium	9.84		0.500	mg/kg wet	10.1		97	80-120			
Lead	9.73		0.500	mg/kg wet	10.1		96	80-120			
Selenium	9.18		0.500	mg/kg wet	10.1		91	80-120			
Silver	9.80		0.500	mg/kg wet	10.1		97	80-120			

Matrix Spike (1H11020-MS1) Prepared: 08/11/2011 11:48 Analyzed: 08/12/2011 11:27

Source: C109944-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	18.1		0.597	mg/kg dry	12.1	6.67	95	75-125			
Barium	118		0.597	mg/kg dry	12.1	68.8	407	75-125			QM-07
Cadmium	3.13		0.0597	mg/kg dry	1.21	0.721	200	75-125			QM-07
Chromium	41.2		0.597	mg/kg dry	12.1	26.0	126	75-125			QM-07
Lead	245		0.597	mg/kg dry	12.1	195	412	75-125			QM-07
Selenium	9.35		0.597	mg/kg dry	12.1	0.119 U	78	75-125			
Silver	19.0		0.597	mg/kg dry	12.1	0.119 U	158	75-125			QM-07

Matrix Spike Dup (1H11020-MSD1) Prepared: 08/11/2011 11:48 Analyzed: 08/12/2011 12:09

Source: C109944-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	12.2		0.597	mg/kg dry	11.9	6.67	46	75-125	39	20	QM-07
Barium	71.3		0.597	mg/kg dry	11.9	68.8	22	75-125	49	20	QM-07
Cadmium	2.33		0.0597	mg/kg dry	1.19	0.721	135	75-125	29	20	QM-07
Chromium	31.1		0.597	mg/kg dry	11.9	26.0	42	75-125	28	20	QM-07
Lead	203		0.597	mg/kg dry	11.9	195	68	75-125	19	20	QM-07
Selenium	6.42		0.597	mg/kg dry	11.9	0.119 U	54	75-125	37	20	QM-07
Silver	9.47		0.597	mg/kg dry	11.9	0.119 U	79	75-125	67	20	QM-07

Post Spike (1H11020-PS1) Prepared: 08/11/2011 11:48 Analyzed: 08/12/2011 12:11

Source: C109944-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.306		0.0100	mg/L	0.200	0.112	97	80-120			
Barium	1.32		0.0100	mg/L	0.200	1.15	82	80-120			
Cadmium	0.0337		0.00100	mg/L	0.0200	0.0121	108	80-120			
Chromium	0.621		0.0100	mg/L	0.200	0.437	92	80-120			
Lead	3.35		0.0100	mg/L	0.200	3.27	38	80-120			QM-08
Selenium	0.172		0.0100	mg/L	0.200	-0.0188	95	80-120			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1H11020 - EPA 3050B

Post Spike (1H11020-PS1) Continued Prepared: 08/11/2011 11:48 Analyzed: 08/12/2011 12:11

Source: C109944-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Silver	0.172		0.0100	mg/L	0.200	-0.0170	94	80-120			

Batch 1H16011 - EPA 7471B

Blank (1H16011-BLK1) Prepared: 08/16/2011 10:07 Analyzed: 08/16/2011 14:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00610	U	0.0100	mg/kg wet							

LCS (1H16011-BS1) Prepared: 08/16/2011 10:07 Analyzed: 08/16/2011 14:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.282		0.0100	mg/kg wet	0.254		111	85-115			

Matrix Spike (1H16011-MS1) Prepared: 08/16/2011 10:07 Analyzed: 08/16/2011 15:01

Source: C109800-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.387		0.0152	mg/kg dry	0.373	0.0188	99	80-120			

Matrix Spike Dup (1H16011-MSD1) Prepared: 08/16/2011 10:07 Analyzed: 08/16/2011 15:04

Source: C109800-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.389		0.0152	mg/kg dry	0.373	0.0188	99	80-120	0.6	20	

Post Spike (1H16011-PS1) Prepared: 08/16/2011 10:07 Analyzed: 08/16/2011 15:07

Source: C109800-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	6.39		0.200	ug/L	5.00	0.253	123	75-125			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1H16012 - EPA 1664A

Blank (1H16012-BLK1) Prepared: 08/16/2011 13:20 Analyzed: 08/23/2011 08:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM-SGT) Non-Polar Material	50.0	U	50.0	mg/kg wet							

LCS (1H16012-BS1) Prepared: 08/16/2011 13:20 Analyzed: 08/23/2011 08:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM-SGT) Non-Polar Material	1030		50.0	mg/kg wet	976		105	51-113			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1H16012 - EPA 1664A

Matrix Spike (1H16012-MS1) Prepared: 08/16/2011 13:20 Analyzed: 08/23/2011 08:55

Source: C109944-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM-SGT) Non-Polar Material	3490		59.7	mg/kg dry	1150	1680	158	51-113			QM-06

Matrix Spike Dup (1H16012-MSD1) Prepared: 08/16/2011 13:20 Analyzed: 08/23/2011 08:55

Source: C109944-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM-SGT) Non-Polar Material	5350		59.7	mg/kg dry	1180	1680	312	51-113	42	13	QM-06

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
ND	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
QM-06	Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QM-17	Matrix spike recovery was outside acceptance limits due to high concentrations of analyte in source sample.
QS-04	Surrogate recovery not calculated. Surrogate diluted out of the calibration range.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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102 A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

Page ____ of ____

Client Name	MSE
Address	
City/ST/Zip	
Tel / Fax	
Sampler(s) Name, Affiliation (print)	Kirk Pollard
Sampler(s) Signature	
Project Number	
Project Name/Desc	C & J Auto Salvage
PO # / Billing Info	
Reporting Contact	Kirk Pollard
Billing Contact	MSE
Facility # (if required)	

Requested Analyses: 8 RCRA Metals; 8260/8270; 3550/5030/9071 Silica gel

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due __/__/__

Lab Workorder: C109944

Preservation (See Codes) (Continue as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers										Sample Comments
1	SP	8/9/11	933	G	S	3	✓	✓	✓							

<- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By: Kirk Pollard 8/9/11	Date/Time: 1400	Received By: [signature]	Date/Time: 8-9-11 12:50
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: 2.5°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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