LIST OF RESULT QUALIFIERS FOR NON NUMERIC RESULTS

A result qualifier indicates the reason the analysis did not produce a numerical result.

Qualifier	Full name	Definition
FPS	Failed Preliminary Screening	A preliminary screening of the sample for the subject parameter was conducted.
NSQ	Not Sufficient Quantity	There was not a sufficient quantity of the sample to conduct an analysis to determine the concentration of the subject parameter.
LAC	Laboratory Accident	There was an accident in the laboratory the either destroyed the sample or rendered it not suitable for analysis.
FAC	Field Accident	There was an accident in the field that either destroyed the sample or rendered it not suitable for analysis.
ISP	Improper Sample Preservation	Due to improper preservation of the sample it was rendered not suitable for analysis.
NAI	Not Analyzed Due to Interference	Because of uncontrolled interference the analysis for the subject parameter was not conducted.
NAR	No Analysis Result	There is no analysis result. Reason is unspecified.
PNQ	Present But Not Quantified	The subject parameter was present in the sample but no quantifiable result could be determined.
CAN	Cancelled	The analysis of this parameter was cancelled and not performed.
FQC	Failed Quality Control	The analysis result is unusable because quality control limits were exceeded when t analysis was conducted.
BDL	Below Detectable Limits	There was not a sufficient concentration of the parameter in the sample to exceed the lower detection limit in force at the time the analysis was performed.
E	Exponent	Used to report results with large values. The value is equal to the number before E times 10 to the power of the number after

List of Remark Codes

A remark code is used to qualify a data value.

Remark Code	Definition
B	Analyte is found in the blank as well as the sample, indicates possible/probable blank contamination.
J	Estimated value; value not accurate.
M	Presence of material verified but not quantified.
U	Compound was analyzed for but not detected. The number is the minimum detection limit.
UJ	Compound was analyzed for but not detected. The number is the estimated minimum detection limit.

Project: TEC-263A SEATTLE IRON AND METALS Officer: DRT Account: AFEB3A

Sample No: 85 500500 Begin Sample Date: 85/12/10 13:00 Source: Industrial Surface R Depth: QA Code:

Laboratory: RX Description: MAIN STORMSEWER CATCHBASIN NEAR SMELTER

Metals-Specified Parameter		water-Total Result	Units
Sodium	Na-Total	12.9	mg/l
Arsenic	As-Total	1U	ug/l
Cadmium	Cd-Total	11	ug/l
Chromium	Cr-Total	33	ug/l
Copper	Cu-Total	7700	ug/l
Iron	Fe-Total	4920	ug/l
Lead	Pb-Total	2500	ug/l
Nickel	Ni-Total	30	ug/l
Silver	Ag-Total	1.5	ug/l
Zinc	Zn-Total	1455	ug/l
Aluminum	Al-Total	8160	ug/l

Metals - EP Toxicity Parameter		EPT-Liq Result	Units
Arsenic	As-Total	1U	ug/l
Barium	Ba-Total	450	ug/l
Cadmium	Cd-Total	5	ug/l
Chromium	Cr-Total	5U	ug/l
Copper	Cu-Total	254	ug/l
Lead	Pb-Total	5U	ug/l
Nickel	Ni-Total	4	ug/l
Silver	Ag-Total	0.1U	ug/l
Zinc	Zn-Total	208	ug/l

(Sample Complete)

Project: TEC-263A SEATTLE IRON AND METALS Officer: DRT Account: AFEB3A

Sample No: 85 500501 Begin Sample Date: 85/12/10 13:02 Source: Soil (Spill/Contamin Depth: QA Code:

Laboratory: RX Description: MAIN STORMSEWER SEDIMENT IN VICINITY

Metals-Specified Parameter		Sediment Result	Units
CA MUD	DRY WGT	4400	MG/KG-CA
MG MUD	DRY WGT	6260	MG/KG-MG
NA MUD	DRY WGT	368	MG/KG-NA
K MUD	DRY WGT	403	MG/KG-K
Arsenic	As-Sedmt	7.7	mg/kg-dr
Ba Mud	Dry Wgt	1184	mg/kg-Ba
B MUD	Dry Wgt	NAR	mg/kg-B
Cadmium	Cd-Sedmt	15.4	mg/kg-dr
Chromium	Cr-Sedmt	55	mg/kg-dr
Copper	Cu-Sedmt	428,000	mg/kg-dr
Lead	Pb-Sedmt	28220	mg/kg-dr
Mn Mud	Dry Wgt	373	mg/kg-Mn
Nickel	Ni-Sedmt	75.2	mg/kg-dr
Silver	Ag-Sedmt	2.2	mg/kg-dr
Zinc	Zn-Sedmt	5560	mg/kg-dr
AL MUD	DRY WGT	21400	MG/KG-AL
FE MUD	DRY WGT	38700	MG/KG-FE

Metals - EP Toxicity Parameter		EPT-Sld Result	Units
Arsenic	As-Total	1U	ug/l
Barium	Ba-Total	660	ug/l
Cadmium	Cd-Total	1U	ug/l
Chromium	Cr-Total	12	ug/l
Copper	Cu-Total	310	ug/l
Lead	Pb-Total	26	ug/l
Nickel	Ni-Total	1U	ug/l
Silver	Ag-Total	0.1U	ug/l
Zinc	Zn-Total	14	ug/l

PCB Scan Parameter		Sediment Result	Units	
PCB-1260	(Arochlor 1260	11000	ug/kg	ppb 11 ppm
PCB-1254	(Arochlor 1254	200U	ug/kg	
PCB-1221	(Arochlor 1221	200U	ug/kg	
PCB-1232	(Arochlor 1232	200U	ug/kg	
PCB-1248	(Arochlor 1248	4400	ug/kg	ppb 4.4 ppm
PCB-1016	(Arochlor 1016	200U	ug/kg	
PCB-1242	(Arochlor 1242	200U	ug/kg	

(Sample Complete)

Project: TEC-263A SEATTLE IRON AND METALS Officer: DRT Account: AFEB3A

Sample No: 85 500502 Begin Sample Date: 85/12/10 13:15 Source: Soil (Spill/Contamin Depth: QA Code:

Laboratory: RX Description: ASH ALONG RAIL OF WASH DOWN TANK

Comment: HANDCARRIED 1/2 SAMPLE TO J.OSBORNE FOR DRT

Metals-Specified Parameter		Sediment Result	Units
CA MUD	DRY WGT	18250	MG/KG-CA
MG MUD	DRY WGT	10420	MG/KG-MG
NA MUD	DRY WGT	473	MG/KG-NA
K MUD	DRY WGT	415	MG/KG-K
Arsenic	As-Sedmt	8.1	mg/kg-dr
Ba Mud	Dry Wgt	1921	mg/kg-Ba
B MUD	Dry Wgt	NAR	mg/kg-B
Cadmium	Cd-Sedmt	17.7	mg/kg-dr
Chromium	Cr-Sedmt	110	mg/kg-dr
Copper	Cu-Sedmt	155800	mg/kg-dr
Lead	Pb-Sedmt	18840	mg/kg-dr
Mn Mud	Dry Wgt	286	mg/kg-Mn
Nickel	Ni-Sedmt	75.4	mg/kg-dr
Silver	Ag-Sedmt	0.41	mg/kg-dr
Zinc	Zn-Sedmt	22200	mg/kg-dr
AL MUD	DRY WGT	29460	MG/KG-AL
FE MUD	DRY WGT	22280	MG/KG-FE

Metals - EP Toxicity Parameter		EPT-Std Result	Units
Arsenic	As-Total	1U	ug/l
Barium	Ba-Total	430	ug/l
Cadmium	Cd-Total	81	ug/l
Chromium	Cr-Total	5U	ug/l
Copper	Cu-Total	1050	ug/l
Lead	Pb-Total	580	ug/l
Nickel	Ni-Total	87	ug/l
Silver	Ag-Total	0.1U	ug/l
Zinc	Zn-Total	29900	ug/l

Poly Arom Hydrocrbn Parameter	Sediment Result	Units
Pyrene, Benzo[a]-	100U	ug/kg-dr
Anthracene, Dibenzo[a,h	1000U	ug/kg-dr
Anthracene, Benzo[a]-	100U	ug/kg-dr
Acenaphthene	10000U	ug/kg-dr
Phenanthrene	400	ug/kg-dr
Fluorene	2000U	ug/kg-dr
Napthalene	7600U	ug/kg-dr
Anthracene	100	ug/kg-dr
Pyrene	700U	ug/kg-dr

Poly Arom Hydrocrbn *** Continued *** Parameter	Sediment Result	Units
Perylene, Benzo[g,h,i]-	1000U	ug/kg-dr
Pyrene, Indeno[1,2,3-c,	200U	ug/kg-dr
Fluoranthene, 3,4-Benzo	70U	ug/kg-dr
Fluoranthene	200U	ug/kg-dr
Fluoranthene, Benzo[k]-	20U	ug/kg-dr
Acenaphthylene	10000U	ug/kg-dr
Chrysene	200	ug/kg-dr

PCB Scan Parameter	Sediment Result	Units
PCB-1260 (Arochlor 1260	130	ug/kg
PCB-1254 (Arochlor 1254	60U	ug/kg
PCB-1221 (Arochlor 1221	60U	ug/kg
PCB-1232 (Arochlor 1232	60U	ug/kg
PCB-1248 (Arochlor 1248	60U	ug/kg
PCB-1016 (Arochlor 1016	60U	ug/kg
PCB-1242 (Arochlor 1242	60U	ug/kg

.13 ppm

(Sample Complete)

Project: TEC-263A SEATTLE IRON AND METALS Officer: DRT Account: AFEB3A

Sample No: 85 500503 Begin Sample Date: 85/12/10 13:30 Source: Soil (Spill/Contamin Depth: QA Code:

Laboratory: RX Description: WASTE OIL TANK VICINITY SOIL AROUND

Metals-Specified Parameter		Sediment Result	Units
CA MUD	DRY WGT	2540	MG/KG-CA
MG MUD	DRY WGT	5640	MG/KG-MG
NA MUD	DRY WGT	959	MG/KG-NA
K MUD	DRY WGT	446	MG/KG-K
Arsenic	As-Sedmt	22.5	mg/kg-dr
Ba Mud	Dry Wgt	462	mg/kg-Ba
B MUD	Dry Wgt	NAR	mg/kg-B
Cadmium	Cd-Sedmt	30.7	mg/kg-dr
Chromium	Cr-Sedmt	0.5U	mg/kg-dr
Copper	Cu-Sedmt	4900	mg/kg-dr
Lead	Pb-Sedmt	3660	mg/kg-dr
Mn Mud	Dry Wgt	451	mg/kg-Mn
Nickel	Ni-Sedmt	74.6	mg/kg-dr
Silver	Ag-Sedmt	0.14	mg/kg-dr
Zinc	Zn-Sedmt	3110	mg/kg-dr
AL MUD	DRY WGT	8880	MG/KG-AL
FE MUD	DRY WGT	60370	MG/KG-FE

Metals - EP Toxicity Parameter		EPT-Sld Result	Units
Arsenic	As-Total	5	ug/l
Barium	Ba-Total	180	ug/l
Cadmium	Cd-Total	28	ug/l
Chromium	Cr-Total	5U	ug/l
Copper	Cu-Total	500	ug/l
Lead	Pb-Total	66	ug/l
Nickel	Ni-Total	30	ug/l
Silver	Ag-Total	0.1U	ug/l
Zinc	Zn-Total	3270	ug/l

PCB Scan Parameter		Sediment Result	Units
PCB-1260	(Arochlor 1260	19000	ug/kg
PCB-1254	(Arochlor 1254	1400U	ug/kg
PCB-1221	(Arochlor 1221	1400U	ug/kg
PCB-1232	(Arochlor 1232	1400U	ug/kg
PCB-1248	(Arochlor 1248	13700	ug/kg
PCB-1016	(Arochlor 1016	1400U	ug/kg
PCB-1242	(Arochlor 1242	1400U	ug/kg

19
13.7
32.7
ppm

(Sample Complete)