Contaminated Sediments Database for Long Island Sound and the New York Bight, U.S. Geological Survey Open-File Report 03-241, 2003

Data Dictionary

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
TABLE OF STATION DATA					
1	LOCAL_ID	Local row or ID No	Local Row or local ID Number		Identification for use by user in maintaining sample order. Sometimes corresponds with sample's previous DB ID. This number can be changed by users.
2	UNIQUE_ID	Unique Sample ID (US#)	Unique Sample ID Identifier (US#)		Database identification number unique to this specific sample; assigned by USGS, this is the common parameter for joining all tables in this database.
3	ORIGNL_ID	Preceding database ID	Preceding database sample ID		If this data is taken from or part of a previous data compilation, enter the unique identification number within the other database that refers to this data. The name of the preceding database is reported in ORIG_NAME.
4	ORIGL_FILE	Preceding file name	Preceding database file name		Database file name from which this specific sample came.
5	REPL_NO	Replicate #	Replicate Number		A number for a replicate when more than one analysis has been made of the same sample. For the purpose of unambiguous joining of multiple tables, this number is incorporated in the Unique sample identification number.
6	TOT_REPL	Total # replicates	Total number of replicates		The total number of replicate samples for the sample. This is left blank if only 1 sample.
7	LATITUDE	Latitude (Decimal)	Latitude (decimal) (- = South latitude)		Latitude in decimal-degrees (south latitudes are negative).
8	LAT_DEG_N	Latitude Deg N	Latitude (degrees) N		Degrees of latitude in whole degrees.
9	LAT_MIN_N	Latitude Min N	Latitude (minutes) N		Minutes of latitude in whole or decimal units.
10	LAT_SEC_N	Latitude Sec N	Latitude (seconds) N		Seconds of latitude in whole or decimal units.
11	LONGITUDE	Longitude (Decimal)	Longitude (decimal) (- = West longitude)		Longitude in decimal-degrees (West longitudes are negative).
12	LON_DEG_W	Longitude Deg W	Longitude (degrees) W		Degrees of longitude (West) in whole degrees.
13	LON_MIN_W	Longitude Min W	Longitude (minutes) W		Minutes of longitude (West) in whole or decimal minutes.
14	LON_SEC_W	Longitude Sec W	Longitude (seconds) W		Seconds of longitude (West) in whole or decimal units.
15	POS_ORIG	Original Position Format	Original position format and precision		Format + precision of original longitude (format and signiticant digits, e.g. ddmmss.x; dd.xxxx). * = See comments; 99999 = calculated from State plane (UTM) values. Decimal was calculated; deg, min, (and sec) were sometimes calculated from decimal.
16	ORIG_LOC	Orig. Loctn. If Unusual	Original location in original format, if unusual		Original location if given in units other than latitude and longitude (e.g., State Plane or distance from a point).
17	NAV_MODE	Navigational Mode	Navigational mode		Navigational system used, e.g. LORAN C, GPS, triangulation, read from a sketch map).
18	SOUNDING_M	Sounding (M)	Sounding (meters)		Measured depth of water overlying sediment at sample time, in meters.
19	SNDNG_ORIG	Sounding (In Orig Units)	Sounding (in original units, if not meters)		Measured depth of water overlying sediment at sample time, in original units.
20	SNDG_UNITS	Sounding original units	Sounding original units		Depth units (meters, feet, fathoms, etc.).
21	AGNC1_SPON	Agency1 (Sponsoring)	Agency1 (Sponsoring)		Agency or researcher sponsoring or publishing the work, see listing for abbreviations.
22	AGNC2_CNTR	Agency2 (Contracted)	Agency2 (Contracted)		Agency or researcher doing the sampling or research.
23	AGNC3_SBCN	Agency3 (Subcontracted)	Agency3 (Subcontracted)		Subcontracted agency or researcher doing the sampling or research. (Analytical laboratories are recorded elsewhere in database).
24	AGNC_OTHR	Agency4 (Other)	Agency4 (Other)		Additional agencies/researcher responsible for work.
25	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Text abbreviation for library reference or repository for hardcopy.
26	COM_ON_REF	Comment on Reference	Comment on Reference		Any comments about reference from which data was entered.
27	PROJ_NAME	Project Name	Project Name (I.E. Lex Atlantic)		Name of project when data source/study is part of a larger study or of a regulatory action.
28	GEN_LOC_NM	General Location Name	General location name		Location name which is general enough to easily locate on a state map.
29	SPECFC_LOC	Specific Location Name	Specific name of location of water body		Nearest name on a 1:25,000 NOAA-type Chart.
30	AREA_CODE	Area Code	Area Code		A code derived from data in other fields to identify sample location for data analysis. Codes are defined in the working dictionary and differ from those used in other compilations e.g., Atlantic Margin Sediment Data File.
31	LOC_CMMNTS	Location Comments	Location Comments		Any additional information pertinent to sample location (e.g., exposed mud flat,) and any correction made to previously recorded locations.
32	SAMP_DAY1	Samp Day1	Sample Day 1		Day sample collected from the natural environment began.
33	MO1	Mo1	Month 1		Month sample collected from the natural environment began.
34	YEAR1	Year1	Year 1		Year sample collected from the natural environment began.
35	TO_SMP_DA2	To Samp Day2	To Sample Day 2		Ending day sample collected from the natural environment finished.

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36	MO2	Mo2	Month 2		Ending month sample collected from the natural environment finished.
37	YEAR2	Year2	Year 2		Ending year sample collected from the natural environment finished.
38	DATE_Q	Date Q	Date qualifier		Any qualifing information available about the date(s) entered.
39	SAMP_DATE1	Samp Date 1 Formatted	Sample Date 1 formatted		**Use with caution**. Date that sample collection began as it was reported in original reference. This is a combination if SAMP_DAY1, MO1 and YEAR1. Note that formatted dates are julian numbers and subject to manipulation by computer software.
40	TO_SMP_DT2	To Samp Date 2 Formatted	To Sample Date 2 formatted		**Use with caution**. Date that sample collection ended as it was reported in original reference. This is a combination if SAMP_DAY2, MO2 and YEAR2. Note that formatted dates are julian numbers and subject to manipulation by computer software.
41	ORIG_FIELD	Sample ID or Original No.	Sample ID or original Sample Field Number		Identification number given to sample at collection time or by original researcher.
42	CRUISE_ID	Cruise Id	Cruise ID		Name or number of cruise on which sample collected.
43	ORIG_STATN	Orig. Sta. #	Original station #		Name or number of station at which sample collected.
44	CORE_GRAB	Core Or Grab #	Core Or Grab #		Name or number of core or grab from which sample was extracted.
45	SMPLNG_DEV	Sampling Device	Sampling Device		Device used to collect the sample, see listing for abbreviations.
46	SAMPL_TYPE	Sample Type	Sample type		Type of sediment material analyzed, e.g., sediment, size-fractionated sediment, sediment leach, porewaters, etc. This database contains sediment only.
47	DPTH_N_COR	Depth in Core or Sediment	Depth in Core or sediment, when interval is not given (cm or text)		The depth of the sample in the sediment if only one number is given , or words if no numerical value is given (e.g., 2 cm; surface) in units of cm.
48	COR_LEN_M	Core Length (m)	Length of the core in meters		Total length of the core in meters
49	DEPTH_TOP	Depth Intrvl, Top of Core	Depth interval, top of Core or sample (cm)		Depth interval, top of Core or sample (cm).
50	DEPTH_BTTM	Depth Intrvl, Btm of Core	Depth interval, bottom of Core or sample (cm)		Depth interval, bottom of Core or sample (cm).
51	DEPTH_ORIG	Orig. Depth In Sediment	Original Depth in sediment in original units if not centimeters		The reported value for the depth of the sample in the sediment when given in units other than centimeters; e.g. meters, feet, inches.
52	ORIG_UNITS	Original Depth Units	Original depth units		The original units of the depth of the sample in the sediment when not centimeters.
53	DPTH_CMNTS	Sediment Depth Comments	Sediment depth comments		Comments regarding the depth of the sample in the sediment, e.g. a range of depth given, corrections to previously reported values.
54	DPTH_CODE	Sediment depth code	Sediment depth code		Designation of the general depth in the sediment of the sample for use in data analysis (especially GIS). A "surface" sample is one in which at least 80% of the sample is taken between 0 - 6 cm.
55	COR_GRB_CD	Core or Grab code	Core or Grab code		Code designating type of sample (core vs. grab). Data in this field is derived from other fields and used in data analysis (especially GIS). The definition of "core" is when multiple (>1) samples are taken at different depths within the same sample.
56	COMPS_SCHM	Compositing Scheme	Compositing Scheme		Describe how sample was combined if analysis was done on composite of samples taken from differing depths or cores.
57	GEN_CMMNTS	Gen. Comments Re Sample	General Comments Pertaining To Sample		Any additional information that may help in interpreting data, locating sample in a series, or characterizing sample.
58	DSCR_COLOR	Description/Color	Description / Color		Any text describing the sample's appearance. May also appear in the Lithology field of the Texture table.
59	EST_VL_MAT	Est. Vol. of Material	Estimated Volume of material to be disposed		Volume of material to be dredged and needing disposal when sample is from a dredge permit application.
60	MTS_INGNCS	Metals & Othr Inorganics?	Metals and other inorganics analyzed?		Y/N (sometimes modified) answer to indicate whether data for metals and other inorganic parameters are present elsewhere in this database.
61	ORG_CNTAMS	Organic Contams Analyzed?	Organic contaminants analyzed ?		Y/N (sometimes modified) answer to indicate whether data for metals and other inorganic parameters are present elsewhere in this database.
62	GRAIN_SIZE	Grain Sizes Analyzed?	Grain sizes analyzed?		Y/N (sometimes modified) answer to indicate whether data for metals and other inorganic parameters are present elsewhere in this database.
63	BIOASSAY	Bioassay Data Available?	Bioassay data available?		Y/N answer to indicate whether Bioassay data were collected in conjunction with collection of the sediment sample recorded in this database.
64	COM_BIOTA	Comments-Bioassay	Comments-Bioassay		Brief summary of the type of bioassay data available.

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65	OTHR_N_REF	Othr Types Analy. In Ref	Other types of analysis in reference but not in this database?		Y/N answer whether any other types of analysis are documented in the reference but not recorded in this database.
66	CMNTS_OTHR	Comments- Other Analysis	Comments- other analysis		Brief summary of any other types of analysis documented in the reference but not recorded in this database.
67	DTA_ENT_DA	Data Entry Day	Data Entry Day		Day that data was entered into the database table.
68	DTA_ENT_MO	Data Entry Mo	Data Entry Month		Month that data was entered into the database table.
69	DTA_ENT_YR	Data Entry Year	Data Entry Year		Year that data was entered into the database table.
70	ENTRY_DATE	Entry Date, Formatted	Entry Date, Formatted		Date (formatted) that data was entered into the database table.
71	INIT_NTRER	Initials Of Data Enterer	Initials Of Data Enterer		Initials of the person who entered the data from the original reference or source into a database, see working dictionary for abbreviations.
TABLE OF INORGANICS DATA					
1	LOCAL_ID	Local Row or ID Number	Local Row or ID Number		Same as in Sample Header section = ID for use by user in maintaining sample order. This number can be changed by users.
2	UNIQUE_ID	Unique Sample ID (US#)	Cover-Id Unique Sample Identifier (US#)		Same as in Sample Header section = Database ID unique to this specific sample; assigned by USGS, cannot be charged, is used to link data between tables.
31	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Same as in Sample Header section = Library reference or repository for hardcopy, or digital data.
72	LAB_INORG	Inorganics Testing Lab	Inorganics Testing Lab		Name or code for laboratory that performed the analysis for metals, see listing for abbreviations.
73	LAB_ID_NO	Laboratory's sample ID	Laboratory sample ID number		Laboratory's ID number indicating specific sample (for metals analysis).
74	LAB_JOB	Laboratory's JOB number	Laboratory's JOB number		Laboratory's ID number indicating Job No. or sample-tracking information (for metals analysis).
75	ANAL_TECH	Analytical technique	Analytical technique		Method used for analysis of each metal; e.g., AA (flame, furnace, etc.), ICP, ICP-MS, MS; include code to methods' reference when given.
76	COMMENT1	Comments1 (metals)	Analytical comments1 (metals)		Any further information about analysis for all or specific metals.
77	COMMENT2	Comments2 (other)	Analytical comments2 (other inorganics)		Questions needing further investigations and any information about analysis that did not fit into previous comment field for all or specific metals.
5	REPL_NO	Replicate #	Replicate Number		A number for a replicate when more than one analysis has been made of the same sample. For the purpose of unambiguous joining of multiple tables, this number is incorporated in the Unique sample identification number.
6	TOT_REPL	Total # replicates	Total number of replicates		The total number of replicate samples for the sample. This is left blank if only 1 sample.
78	TEST_DATE	Testing Date	Testing Date		Date of metals analysis by testing laboratory in "mo/dy/yr".
79	TEST_MO	Test month	Test month		Month of metals analysis by testing laboratory.
80	TEST_DAY	Test day	Test day		Day of the month of metals analysis by testing laboratory.
81	TEST_YR	Test year	Test year		Year of metals analysis by testing laboratory.
82	AG_UG_G	Ag (silver) µg/g	Ag (silver) µg/g	7440224	Concentration of Silver (Ag) in the sample in units of micrograms per gram. Do not enter detection limit values here.
83	AG_Q	Ag q	Ag qualifier		Any qualifier data or comments about the Silver concentration; e.g. "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
84	AG_DL	Ag det lim	Ag detection limit		The lowest detectable concentration of Silver for this laboratory and this methodology.
85	AL_UG_G	Al (aluminum) µg/g	Al (aluminum) µg/g	7429905	Concentration of Aluminum (Al) in the sample in units of micrograms per gram (micrograms per gram). Do not enter detection limit values here.
86	AL_Q	Al qualifier	Al qualifier		Any qualifier data or comments about the Aluminum concentration; e.g. "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
87	AL_DL	Al det lim	Al detection limit		The lowest detectable concentration of Aluminum for this laboratory and this methodology.
88	AL_OU	Al original units	Al original units		The units in which the original Aluminum concentration was recorded.
89	AL_VALUE	Al in orig units	Al value in original units, if not µg/g		Concentration of Aluminum in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
90	AS_UG_G	As (arsenic) µg/g	As (arsenic) µg/g	7440382	Concentration of Arsenic (As) in the sample in units of micrograms per gram. Do not enter detection limit values here.

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91	AS_Q	As qualifier	As qualifier		Any qualifier data or comments about the Arsenic concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
92	AS_DL	As det lim	As detection limit		The lowest detectable concentration of Arsenic for this laboratory and this methodology.
93	B_UG_G	B (boron) µg/g	B (boron) µg/g	7440428	Concentration of Boron (B) in the sample in units of micrograms per gram. Do not enter detection limit values here.
94	B_Q	B qualifier	B qualifier		Any qualifier data or comments about the Boron concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
95	B_DL	B det lim	B detection limit		The lowest detectable concentration of Boron for this laboratory and this methodology.
96	BA_UG_G	Ba (barium) µg/g	Ba (barium) µg/g	7440393	Concentration of Barium (Ba) in the sample in units of micrograms per gram. Do not enter detection limit values here.
97	BA_Q	Ba qualifier	Ba qualifier		Any qualifier data or comments about the Barium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value in units if not micrograms per gram.
98	BA_VALUE	Ba value in orig units	Ba value in original units		Concentration of Barium in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
99	BE_UG_G	Be (beryllium) µg/g	Be (beryllium) µg/g	7440417	Concentration of Beryllium (Be) in the sample in units of micrograms per gram. Do not enter detection limit values here.
100	BE_Q	Be qualifier	Be qualifier		Any qualifier data or comments about the Beconcentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
101	BE_DL	Be det lim	Be detection limit		The lowest detectable concentration of Beryllium for this laboratory and this methodology.
102	CA_UG_G	Ca (calcium) µg/g	Ca (calcium) µg/g	7440702	Concentration of Calcium (Ca) in the sample in units of micrograms per gram. Do not enter detection limit values here.
103	CA_Q	Ca qualifier	Ca qualifier		Any qualifier data or comments about the Calcium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
104	CA_DL	Ca det lim	Ca detection limit		The lowest detectable concentration of Calcium for this laboratory and this methodology.
105	CA_OU	Ca original units	Ca original units		The units in which the original Calcium concentration was recorded.
106	CA_VALUE	Ca value in orig units	Ca value in original units, if not µg/g		Concentration of Calcium in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
107	CD_UG_G	Cd (cadmium) µg/g	Cd (cadmium) µg/g	7440439	Concentration of Cadmium (Cd) in the sample in units of micrograms per gram. Do not enter detection limit values here.
108	CD_Q	Cd qualifier	Cd qualifier		Any qualifier data or comments about the Cadmium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
109	CD_DL	Cd det lim	Cd detection limit		The lowest detectable concentration of Cadmium for this laboratory and this methodology.
110	CO_UG_G	Co (cobalt) µg/g	Co (cobalt) µg/g	7440484	Concentration of Cobalt (Co) in the sample in units of micrograms per gram. Do not enter detection limit values here.
111	CO_Q	Co qualifier	Co qualifier		Any qualifier data or comments about the Cobalt concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
112	CO_DL	Co det lim	Co detection limit		The lowest detectable concentration of Cobalt for this laboratory and this methodology.
113	CR_UG_G	Cr (chromium) µg/g	Cr (chromium) µg/g	7440473	Concentration of Chromium (Cr) in the sample in units of micrograms per gram. Do not enter detection limit values here.

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114	CR_Q	Cr qualifier	Cr qualifier		Any qualifier data or comments about the Cr concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
115	CR_DL	Cr det lim	Cr detection limit		The lowest detectable concentration of Chromium for this laboratory and this methodology.
116	CU_UG_G	Cu (copper) µg/g	Cu (copper) µg/g	7440508	Concentration of Copper (Cu) in the sample in units of micrograms per gram. Do not enter detection limit values here.
117	CU_Q	Cu qualifier	Cu qualifier		Any qualifier information or comments about the Copper concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
118	CU_DL	Cu det lim	Cu detection limit		The lowest detectable concentration of Copper for this laboratory and this methodology.
119	FE_UG_G	Fe (iron) µg/g	Fe (iron) µg/g	7439896	Concentration of Iron (Fe) in the sample in units of micrograms per gram. Do not enter detection limit values here.
120	FE_Q	Fe qualifier	Fe qualifier		Any qualifier information or comments about the Iron concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
121	FE_DL	Fe det lim	Fe detection limit		The lowest detectable concentration of Iron for this laboratory and this methodology.
122	FE_OU	Fe original units	Fe original units		The units in which the original Iron concentration was recorded.
123	FE_VALUE	Fe value in orig units	Fe value in original units, if not µg/g		Concentration of Iron in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
124	HG_UG_G	Hg (mercury) µg/g	Hg (mercury) µg/g	7439976	Concentration of Mercury (Hg) in the sample in units of micrograms per gram. Do not enter detection limit values here.
125	HG_Q	Hg qualifier	Hg qualifier		Any qualifier information or comments about the Mercury concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
126	HG_DL	Hg det lim	Hg detection limit		Any qualifier information or comments about the Mercury concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
127	K_UG_G	K (potassium) µg/g	K (potassium) µg/g	7440097	Concentration of Potassium (K) in the sample in units of micrograms per gram. Do not enter detection limit values here.
128	K_Q	K qualifier	K qualifier		Any qualifier information or comments about the Potassium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
129	K_DL	K det lim	K detection limit		The lowest detectable concentration of Potassium for this laboratory and this methodology.
130	LI_UG_G	LI (lithium) µg/g	LI (lithium) µg/g	7439932	Concentration of lithium (Li) in the sample in units of micrograms per gram. Do not enter detection limit values here.
131	LI_Q	Li qualifier	Li qualifier		Any qualifier information or comments about the Lithium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
132	LI_DL	Li det lim	Li detection limit		The lowest detectable concentration of Lithium for this laboratory and this methodology.
133	MG_UG_G	Mg (magnesium) µg/g	Mg (magnesium) µg/g	7439954	Concentration of Magnesium (Mg) in the sample in units of micrograms per gram. Do not enter detection limit values here.
134	MG_Q	Mg qualifier	Mg qualifier		Any qualifier information or comments about the Magnesium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
135	MG_DL	Mg det lim	Mg detection limit		The lowest detectable concentration of Magnesium for this laboratory and this methodology.
136	MG_OU	Mg original units	Mg original units		The units in which the original Magnesium concentration was recorded.
137	MG_VALUE	Mg value in orig units	Mg value in original units, if not µg/g		Concentration of Magnesium in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
138	MN_UG_G	Mn (manganese) µg/g	Mn (manganese) µg/g	7439965	Concentration of Manganese (Mn) in the sample in units of micrograms per gram. Do not enter detection limit values here.

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139	MN_Q	Mn qualifier	Mn qualifier		Any qualifier information or comments about the Manganese concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
140	MN_DL	Mn det lim	Mn detection limit		The lowest detectable concentration of Manganese for this laboratory and this methodology.
141	MN_OU	Mn original units	Mn original units		The units in which the original Manganese concentration was recorded.
142	MN_VALUE	Mn value in orig units	Mn value in original units, if not µg/g		Concentration of Manganese in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
143	MO_UG_G	Mo (molybdenum) µg/g	Mo (molybdenum) µg/g	7439987	Concentration of Molybdenum (Mo) in the sample in units of micrograms per gram. Do not enter detection limit values here.
144	MO_Q	Mo qualifier	Mo qualifier		Any qualifier information or comments about the Molybdenum concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
145	MO_DL	Mo det lim	Mo detection limit		The lowest detectable concentration of Molybdenum for this laboratory and this methodology.
146	NA_UG_G	Na (sodium) µg/g	Na (sodium) µg/g	7440235	Concentration of Sodium (Na) in the sample in units of micrograms per gram. Do not enter detection limit values here.
147	NA_Q	Na qualifier	Na qualifier		Any qualifier information or comments about the Sodium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
148	NA_DL	Na det lim	Na detection limit		The lowest detectable concentration of Sodium for this laboratory and this methodology.
149	NA_OU	Na original units	Na original units		The units in which the original Sodium concentration was recorded.
150	NA_VALUE	Na value in orig units	Na value in original units, if not µg/g		Concentration of Sodium in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
151	NI_UG_G	Ni (nickel) µg/g	Ni (nickel) µg/g	7440020	Concentration of Nickel (Ni) in the sample in units of micrograms per gram. Do not enter detection limit values here.
152	NI_Q	Ni qualifier	Ni qualifier		Any qualifier information or comments about the Nickel concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
153	NI_DL	Ni det lim	Ni detection limit		The lowest detectable concentration of Nickel for this laboratory and this methodology.
154	P_UG_G	P (phosphorus) µg/g	P (phosphorus) µg/g	7723140	Concentration of phosphorus (P) in the sample in units of micrograms per gram. Do not enter detection limit values here.
155	P_Q	P qualifier	P qualifier		Any qualifier information or comments about the Phosphorus concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
156	P_DL	P det lim	P detection limit		The lowest detectable concentration of Phosphorus for this laboratory and this methodology.
157	P_OU	P original units	P original units		The units in which the original Phosphorus concentration was recorded.
158	P_VALUE	P value in orig units	P value in original units, if not µg/g		Concentration of Phosphorus in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
159	PB_UG_G	Pb (lead) µg/g	Pb (lead) µg/g	7439921	Concentration of Lead (Pb) in the sample in units of micrograms per gram. Do not enter detection limit values here.
160	PB_Q	Pb qualifier	Pb qualifier		Any qualifier information or comments about the Lead concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
161	PB_DL	Pb det lim	Pb detection limit		The lowest detectable concentration of Lead for this laboratory and this methodology.
162	SB_UG_G	Sb (antimony) µg/g	Sb (antimony) µg/g	7440360	Concentration of Antimony (Sb) in the sample in units of micrograms per gram. Do not enter detection limit values here.
163	SB_Q	Sb qualifier	Sb qualifier		Any qualifier information or comments about the Antimony concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
164	SB_DL	Sb det lim	Sb detection limit		The lowest detectable concentration of Antimony for this laboratory and this methodology.
165	SE_UG_G	Se (selenium) µg/g	Se (selenium) µg/g	7782492	Concentration of Selenium (Se) in the sample in units of micrograms per gram. Do not enter detection limit values here.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
166	SE_Q	Se qualifier	Se qualifier		Any qualifier information or comments about the Selenium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
167	SE_DL	Se det lim	Se detection limit		The lowest detectable concentration of Selenium for this laboratory and this methodology.
168	SI_UG_G	Si (silicon) µg/g	Si (silicon) µg/g	7440213	Concentration of Silicon (Si) in the sample in units of micrograms per gram. Do not enter detection limit values here.
169	SI_Q	Si qualifier	Si qualifier		Any qualifier information or comments about the Silicon concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
170	SI_DL	Si det lim	Si detection limit		The lowest detectable concentration of Silicon for this laboratory and this methodology.
171	SI_OU	Si original units	Si original units		The units in which the original Silicon concentration was recorded.
172	SI_VALUE	Si value in orig units	Si value in original units, if not µg/g		Concentration of Silicon in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
173	SN_UG_G	Sn (tin) µg/g	Sn (tin) µg/g	7440315	Concentration of Tin (Sn) in the sample in units of micrograms per gram. Do not enter detection limit values here.
174	SN_Q	Sn qualifier	Sn qualifier		Any qualifier information or comments about the Tin concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
175	SN_DL	Sn det lim	Sn detection limit		The lowest detectable concentration of Tin for this laboratory and this methodology.
176	TL_UG_G	Tl (Thallium) µg/g	Tl (Thallium) µg/g	7440280	Concentration of Thallium (Tl) in the sample in units of micrograms per gram. Do not enter detection limit values here.
177	TL_Q	Tl qualifier	Tl qualifier		Any qualifier information or comments about the Thallium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
178	TL_DL	Tl det lim	Tl detection limit		The lowest detectable concentration of Thallium for this laboratory and this methodology.
179	TH_UG_G	Th (thorium) µg/g	Th (thorium) µg/g	7440291	Concentration of Thorium (Th) in the sample in units of micrograms per gram. Do not enter detection limit values here.
180	TH_Q	Th qualifier	Th qualifier		Any qualifier information or comments about the Thorium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
181	TH_DL	Th det lim	Th detection limit		The lowest detectable concentration of Thorium for this laboratory and this methodology.
182	U_UG_G	U (uranium) µg/g	U (uranium) µg/g	7440611	Concentration of Uranium (U) in the sample in units of micrograms per gram. Do not enter detection limit values here.
183	U_Q	U qualifier	U qualifier		Any qualifier information or comments about the Uranium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
184	U_DL	U det lim	U detection limit		The lowest detectable concentration of Uranium for this laboratory and this methodology.
185	V_UG_G	V (vanadium) µg/g	V (vanadium) µg/g	7440622	Concentration of Vanadium (V) in the sample in units of micrograms per gram. Do not enter detection limit values here.
186	V_Q	V qualifier	V qualifier		Any qualifier information or comments about the Vanadium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
187	V_DL	V det lim	V detection limit		The lowest detectable concentration of Vanadium for this laboratory and this methodology.
188	ZN_UG_G	Zn (zinc) µg/g	Zn (zinc) µg/g	7440666	Concentration of Zinc (Zn) in the sample in units of micrograms per gram. Do not enter detection limit values here.
189	ZN_Q	Zn qualifier	Zn qualifier		Any qualifier information or comments about the Zinc concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
190	ZN_DL	Zn det lim	Zn detection limit		The lowest detectable concentration of Zinc for this laboratory and this methodology.
191	C_INOR_PCT	Cinorg % dry wt	Inorganic Carbon (%Cinorg)	7440440	Concentration of inorganic carbon (Cinorg) in the sample in units of percent Cinorg. Cinorg = Carbon as CaCO3 or Carbon as CO3. Do not enter detection limit values here.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
192	C_INOR_Q	Cinorg qualifier	Inorganic Carbon qualifier		Any qualifier information or comments about the inorganic carbon concentrations; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
193	C_INOR_DL	Cinorg dl	Inorganic Carbon detection limit		The lowest detectable concentration of inorganic carbon for this laboratory and this methodology.
194	C_INOR_OU	Cinorg original units	Inorganic Carbon original units		The units in which the original inorganic carbon concentration was recorded.
195	C_INOR_VAL	Cinorg value in orig units	Inorganic Carbon value in original units, if not %C/g dry sed.		Concentration of inorganic carbon in the sample in units other than percent Carbon per gram dry sed. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
196	C_ORG_PCT	Corg % dry wt	Organic Carbon (%Corg)	7440440	Concentration of organic carbon (Corg) in the sample in units of percent Corg. Do not enter detection limit values here.
197	C_ORG_Q	Corg qualifier	Organic Carbon qualifier		Any qualifier information or comments about the organic carbon concentrations; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
198	C_ORG_DL	Corg dl	Organic Carbon detection limit		The lowest detectable concentration of organic carbon for this laboratory and this methodology.
199	C_ORG_OU	Corg original units	Organic Carbon original units		The units in which the original organic carbon concentration was recorded.
200	C_ORG_VAL	Corg value in orig units	Organic Carbon value in original units, if not %C/g dry sediment		Concentration of organic carbon in the sample in units other than percent Carbon per gram dry sed. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
201	C_TOT_PCT	Ctot % dry wt	Total Carbon (%Ctot)	7440440	Concentration of total carbon (Ctot) in the sample in units of percent Ctot. Do not enter detection limit values here. Total Carbon = Inorganic Carbon + Organic Carbon unless Total Carbon was measured instead of calculated.
202	C_TOT_Q	Ctot qualifier	Total Carbon qualifier		Any qualifier information or comments about the total carbon concentrations; e.g., "less than" (< or lt); analytical methodology or comments not given above; corrections made during VALIDS; indications of poor quality data; etc.
203	C_TOT_DL	Ctot dl	Total Carbon detection limit		The lowest detectable concentration of total carbon for this laboratory and this methodology.
204	C_TOT_OU	Ctot original units	Total Carbon original units		The units in which the original total carbon concentration was recorded.
205	C_TOT_VAL	Ctot value in orig units	Total Carbon value in original units, if not %C/g dry sed.		Concentration of total carbon in the sample in units other than percent Carbon per gram dry sediment. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
206	VOLAT_PCT	Volatilization (%)	Volatilization (% wt. loss)		A procedure of burning the sample in a furnace used to ID organic carbon at 550 C, and carbonate (inorganic carbon) at 1000 C. Also known as Loss on Ignition.
207	VOLAT_Q	Volatilization qualifier	Volatilization qualifier		Any qualifier information or comments about the volatilization concentrations; e.g., "less than" (< or lt); analytical methodology or comments not given above; corrections made during VALIDS; indications of poor quality data; etc.
208	HYDROG_PCT	H (hydrogen) %	Hydrogen %	1333740	Hydrogen present in the sample in units of percent dry weight. Record analytical method above.
209	NITROG_PCT	N (nitrogen) %	Nitrogen %	17778880	Nitrogen present in the sample in units of percent dry weight. Record analytical method above.
210	N_Q	N qualifier	Nitrogen qualifier		Any qualifier information or comments about the N concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; original value and units if not micrograms per gram; etc.
211	N_OU	Nitrogen original units	Nitrogen original units (if not in %N)		The units in which the original nitrogen concentration was recorded.
212	N_VALUE	N value in orig units	Nitrogen original value (if not in %total N)		Concentration of nitrogen in the sample in units other than percent. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
213	NH3_MOL_KG	Ammonia (NH3) moles/kg	Ammonia (NH3) moles/kg	177778880	Concentration of Ammonia (NH3) in the sample in units of micrograms per gram. Do not enter detection limit values here.
214	NH3_Q	NH3 qualifier	NH3 qualifier		Any qualifier data or comments about the NH3 concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; original value and units if not micrograms per gram; etc.
215	AVS_MOL_G	AVS µmoles/g	Acid Volatile Sulfides (AVS) µmoles/g	18496258	Concentration of sulfur (as SO2) present that is acid volatile (AVS) in the sample in units of micromoles per gram. Do not enter detection limit values here.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
216	AVS_Q	AVS qualifier	AVS qualifier		Any qualifier data or comments about the AVS concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; original value and units if not micrograms per gram; etc.
217	COD_UG_G	Chem O Demand (COD) µg/g	Chem Oxygen Demand (COD) µg/g	7782447	Chemical Oxygen Demand (COD) of the sediments in units of micrograms per gram
218	COD_Q	COD qualifier	COD qualifier		Any qualifier information or comments about the COD; e.g., "less than" (< or lt); analytical methodology, analytical comments; corrections made during VALIDS; indications of poor quality data; etc.
219	CEC_MOL_KG	CEC moles/kg	Cation Exchange Capacity (CEC) moles/kg		Cation Exchange Capacity (CEC) of the sediments in units of mole-equivalent sites per kilogram.
220	CEC_Q	CEC qualifier	CEC qualifier		Any qualifier information or comments about the CEC; e.g., analytical methodology, analytical comments; corrections made during VALIDS; indications of poor quality data; etc.
221	TOTSAMP_G	Total sample weight g	Total sample weight g		Weight of wet sample in grams.
222	TOTSAMP_Q	Total sample weight q	Total sample weight qualifier		Any qualifier information or comments about total sample weight, especially if in different units or underived data.
223	TSOL_WTPCT	Total Solids weight%	Total Solids weight%		Percent of total wet sample weight that is solids, i.e., (dry wt/wet wt)*100.
224	TOTSOL_Q	Total Solids q	Total Solids qualifier		Any qualifier information or comments about total solids, especially if in different units or underived data such as "dry weight" or "dry volume".
225	WATER_WPCT	Water weight%	Water weight%		Percent of total wet sample weight that is water, i.e., (total wt-dry wt/wet wt)*100. If porosity (volume fraction) values are given, note units in grams.
226	POROS_VPCT	Porosity, vol %	Porosity, volume %		Porosity measured in volume percent.
227	WATER_Q	Water qualifier	Water qualifier		Any qualifier information or comments about water or porosity change.
228	SALIN_PPT	Salinity ppt	Salinity parts per thousand		The salinity of the porewater or water overlying the sediment sample in units of parts per thousand.
229	SALIN_Q	Salinity q	Salinity qualifier		Any qualifier information or comments about the salinity; e.g., profiles available?; methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
230	BE7_DPMG	Be7 dpm/g	Be7 dpm/g		Concentration of Beryllium7 in the sample in units of dpm/g.
231	BE7_Q	Be7 qualifier	Be7 qualifier		Any qualifier information or comments about the Be7 ; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
232	CS137_DPMG	Cs137 dpm/g	Cs137 dpm/g	10045973	Concentration of Cesium137 (137Cs) in the sample in units of disintegrations/minute per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
233	CS137_Q	Cs137 qualifier	Cs137 qualifier		Any qualifier information or comments about the Cs137 concentration; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different (e.g., dpm/g); etc.
234	PB210_D_G	Pb210 dpm/g	Pb210 dpm/g	14255040	Concentration of Lead 210 (210Pb) in the sample in units of disintegrations/minute per gram.
235	PB210_Q	Pb210 qualifier	Pb210 qualifier		Any qualifier information or comments about the 210Pb concentration; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
236	PU239_DPMG	Pu239_240 dpm/g	Pu239_240 dpm/g	12587461	Concentration of Plutonium239,240 (239,240Pu) in the sample in units of disintegrations/m per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
237	PU239_Q	Pu239_240 q	Pu239_240 qualifier		Any qualifier information or comments about the Pu239,240 concentration; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different (e.g. pCi/kg); etc.
238	RA226_D_G	Ra226 dpm/g	Ra226 dpm/g	13982633	Concentration of Radium226 (226Ra) in the sample in units of disintegrations/minute per gram.
239	RA226_Q	Ra226 qualifier	Ra226 qualifier		Any qualifier information or comments about the Ra226 concentration; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
240	TH230_D_G	Th230 dpm/g	Th230 dpm/g	14269637	Concentration of Thorium230 (230Th) in the sample in units of disintegrations/minute per gram.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
241	TH230_Q	Th230 qualifier	Th230 qualifier		Any qualifier information or comments about the Th230 concentration; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
242	TH232_D_G	Th232 dpm/g	Th232 dpm/g		Concentration of Thorium232 (232Th) in the sample in units of dpm/g.
243	TH232_Q	Th232 qualifier	Th232 qualifier		Any qualifier information or comments about the Th232 ; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
244	TH234_D_G	Th234 dpm/g	Th234 dpm/g	7440291	Concentration of Thorium234 (234Th) in the sample in units of disintegrations/minute per gram.
245	TH234_Q	Th234 qualifier	Th234 qualifier		Any qualifier information or comments about the Th234 concentration; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
246	U238_D_G	U238 dpm/g	U238 dpm/g	7440611	Concentration of Uranium238 (238U) in the sample in units of dpm/g.
247	U238_Q	U238 qualifier	U238 qualifier		Any qualifier information or comments about the U238 ; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
248	OS_NG_G	Osmium ng/g	Osmium ng/g	74400402	Concentration of Osmium in units of nanograms per gram
249	OS_NGG_Q	Osmium ng/g qualifier	Osmium ng/g qualifier		Any qualifier information or comments about the Osmium content; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
250	OS_187_186	187Osmium / 186 Osmium	187Osmium / 186 Osmium		Ratio of 187Osmium to 186Osmium
251	OS_18n_Q	187 / 186 Osmium qualifier	187Osmium / 186 Osmium qualifier		Any qualifier information or comments about the Os187/186 ratio ; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
252	OS_192_PGG	192-Osmium pg/g	192-Osmium pg/g		192Osmium in units of picograms per gram
253	OS_192_Q	192-Osmium pg/g qualifier	192-Osmium pg/g qualifier		Any qualifier information or comments about the Os192 ; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
254	K40_D_G	K40 dpm/g	K40 dpm/g	13966002	Concentration of K40 in the sample in units of disintegrations/minute per gram.
255	K40_Q	K40 qualifier	K40 qualifier		Any qualifier information or comments about the K40 concentration; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
TABLE OF GENERAL ORGANIC DATA					
1	LOCAL_ID	Local Row or ID Number	Local Row or ID Number		Same as in Sample Header section = ID for use by user in maintaining sample order. This number can be changed by users.
2	UNIQUE_ID	Unique Sample ID (US#)	Unique Sample Identifier (US#)		Same as in Sample Header section = Database ID unique to this specific sample; assigned by USGS.
32	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Same as in Sample Header section = Library reference or repository for hardcopy.
256	ORGTST_LAB	Organics testing Lab #1	Organics testing Lab #1		Name or code for laboratory that performed the analysis for general organic contaminants.
257	ORGLB_ID	Lab internal samp ID	Laboratory's sample internal ID number		Laboratory's ID number indicating specific sample (organic contaminants).
258	ORGLB_JOB	Lab internal job no (org)	Laboratory's ID job number (organic contaminants)		Laboratory's ID number indicating Job No. or sample-tracking information (organic contaminants).
259	AN_TECH_OR	Anal technique (organics)	Analytical technique (organic contaminants)		Method used for analysis of each organic contaminant; e.g., GC, GC-MS, column no.; include code to methods' reference when given.
260	AN_COM_ORG	Anal comments (organics)	Analytical comments (organic contaminants)		Any further information about analysis for all or specific organic contaminants.
5	REPL_NO	Replicate #	Replicate Number		A number for a replicate when more than one analysis has been made of the same sample. For the purpose of unambiguous joining of multiple tables, this number is incorporated in the Unique sample identification number.
6	TOT_REPL	Total # replicates	Total number of replicates		The total number of replicate samples for the sample. This is left blank if only 1 sample.
261	TESTDT_ORG	Test Date (Organics)	Testing Date (Organic Contaminants)		Date of Organic Contaminants analysis by testing lab in "mo/dy/yr".
262	TESTDAY_OR	Test day (Organics)	Test day (Organic Contaminants)		Day of the Organic Contaminants of metals analysis by testing laboratory.
263	TESTMO_OR	Test month (Organics)	Test month (Organic Contaminants)		Month of Organic Contaminants analysis by testing laboratory.
264	TESTYR_OR	Test year (Organics)	Test year (Organic Contaminants)		Year of Organic Contaminants analysis by testing laboratory.
265	VS_EP_PCT	Vol Sol - EPA%	Total Volatile Solids = EPA %		Concentration of volatile solids determined with the EPA method in units of weight percent.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
266	VS_EPA_Q	VS-EPA qual	VS-EPA qualifier		Any qualifier information or comments about the VS-EPA concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
267	VS_NED_PCT	Vol Sol (TVS)-NED%	Total Volatile Solids - NED %		Concentration of volatile solids determined with the Corps of Engineers New England Division (NED) method in units of weight percent.
268	VS_NED_Q	VS-NED qual	VS-NED qualifier		Any qualifier information or comments about the VS-NED concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
269	O_G_PCT	O and G in %	Oil and Grease (O and G) %		Concentration of Oil and Grease in sediments in percent.
270	O_G_UGG	O and G in µg/g	Oil And Grease (O and G) µg/g		Concentration of Oil and Grease in sediments in units of micrograms per gram.
271	O_AND_G_Q	O and G qualifier	Oil and Grease (O and G) qualifier		Any qualifier information or comments about the O and G concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
272	O_AND_G_DL	O and G det lim	Oil and Grease (O and G) detection limit		Any qualifier information or comments about the Oil and Grease concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units.
273	PHCTOT_PCT	Total PHC % DW	Petroleum Hydrocarbons-total (Total PHC) %DW		Concentration of measured Total Petroleum Hydrocarbons (PHC) in units of percent dry weight. Do not derive by summation.
274	PHCTOT_UGG	Total PHC µg/g	Petroleum Hydrocarbons-total (Total PHC) µg/g		Concentration of measured Total Petroleum Hydrocarbons (PHC) in units of micrograms per gram. Do not derive by summation.
275	PHC_Q	PHC q	PHC qualifier		Any qualifier information or comments about the PHC concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.
276	PHC_DL	PHC det lim	PHC detection limit		The lowest detectable concentration of PHC for this laboratory and this methodology.
277	PCB_T_UGG	PCB total µg/g	PCB's (Total Polychlorinated biphenyls) µg/g	1336363	Concentration of measured total of polychlorinated biphenyls (PCB) in units of micrograms per gram.
278	PCB_TOT_Q	PCB total q	PCB's qualifier		Any qualifier information or comments about the PCB concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.
279	PCB_TOT_DL	PCB total det lim	PCB's detection limit		The lowest detectable concentration of PCB for this laboratory and this methodology.
280	DDT_T_NGG	DDT total ng/g	DDT total ng/g		Concentration of measured total of DDT compounds in units of nanograms per gram.
281	DDT_TOT_Q	DDT total q	DDT total qualifier		Any qualifier information or comments about the DDT concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.
282	DDT_TOT_DL	DDT total det lim	DDT total detection limit		The lowest detectable concentration of DDT for this laboratory and this methodology.
283	DDE_T_NGG	DDE total ng/g	DDE total ng/g		Concentration of measured total of DDE compounds in units of nanograms per gram.
284	DDE_TOT_Q	DDE total q	DDE total q		Any qualifier information or comments about the DDE concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.
285	DDE_TOT_DL	DDE total det lim	DDE total detection limit		The lowest detectable concentration of DDE for this laboratory and this methodology.
286	DDD_T_NGG	DDD total ng/g	DDD total ng/g		Concentration of measured total of DDD compounds in units of nanograms per gram.
287	DDD_TOT_Q	DDD total q	DDD total q		Any qualifier information or comments about the DDD concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.
288	DDD_TOT_DL	DDD total det lim	DDD total detection limit		The lowest detectable concentration of DDD for this laboratory and this methodology.
289	PAHTOT_PCT	Arom hyd (tot PAH) % DW	Aromatic Hydrocarbons (Total Parent PAH) %DW		Concentration of measured Polyaromatic Hydrocarbons (PAH) in units of percent dry weight. Do not derive by summation.
290	PAHTOT_UGG	Total PAH µ/g	Total PAH µ/g		Concentration of measured total of Polyaromatic Hydrocarbons (PAH) in units of micrograms per gram.
291	PAH_Q	PAH q	PAH qualifier		Any qualifier information or comments about the PAH concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.
292	PAH_DL	PAH dl	PAH detection limit		The lowest detectable concentration of PAHs for this laboratory and this methodology.

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293	MBT_C	monobutyl tin ng/g	monobutyl tin ng/g	78763549	Anti - fouling metal organic, in units of nanograms per gram.
294	MBT_Q	monobutyl tin q	monobutyl tin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
295	MBT_D	monobutyl tin det lim	monobutyl tin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
296	DBT_C	Dibutyl tin ng/g	Dibutyl tin ng/g	1002535	Anti - fouling metal organic compound, in units of nanograms per gram.
297	DBT_Q	Dibutyl tin q	Dibutyl tin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
298	DBT_D	Dibutyl tin det lim	Dibutyl tin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
299	TBT_C	Tributyl tin ng/g	Tributyl tin ng/g	56573854	Anti - fouling metal organic compound, in units of nanograms per gram.
300	TBT_Q	Tributyl tin q	Tributyl tin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
301	TBT_D	Tributyl tin det lim	Tributyl tin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
302	TTBT_C	Tetrabutyl tin ng/g	Tetrabutyl tin ng/g	1461252	Anti - fouling metal organic compound, in units of nanograms per gram.
303	TTBT_Q	Tetrabutyl tin q	Tetrabutyl tin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
304	TTBT_D	Tetrabutyl tin det lim	Tetrabutyl tin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
TABLE OF PCBS AND PESTICIDES					
1	LOCAL_ID	Local Row or ID Number	Local Row or ID Number		Same as in Sample Header section = ID for use by user in maintaining sample order. This number can be changed by users.
2	UNIQUE_ID	Unique Sample ID (US#)	Unique Sample Identifier (US#)		Same as in Sample Header section = Database ID unique to this specific sample; assigned by USGS.
32	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Same as in Sample Header section = Library reference or repository for hardcopy.
305	ORGLAB_2	Organics testing Lab #2	Organics testing Lab #2		Name or code for laboratory that performed the analysis for specific organic contaminants.
306	LAB_ID_ORG	Lab ID (spec organics)	Laboratory's internal ID number (specific organics)		Laboratory's ID number indicating specific sample (organic contaminants).
307	LABJOB_ORG	Lab job ID (spec orgs)	Laboratory's sample ID number (specific organics)		Laboratory's ID number indicating Job Number or sample-tracking information (organic contaminants).
308	ANALT_ORG	Anal techn (spec orgs)	Analytical technique (specific organics)		Method used for analysis of each organic contaminant; e.g., GC, GC-MS, column no.; include code to methods' reference when given.
309	ANCOM_ORG	Anal comments (spec orgs)	Analytical comments (specific organics)		Any further information about analysis for all or specific organic contaminants.
5	REPL_NO	Replicate #	Replicate Number		A number for a replicate when more than one analysis has been made of the same sample. For the purpose of unambiguous joining of multiple tables, this number is incorporated in the Unique sample identification number.
6	TOT_REPL	Total # replicates	Total number of replicates		The total number of replicate samples for the sample. This is left blank if only 1 sample.
310	TESTDAT_OR	Testing Date (spec orgs)	Testing Date (specific organics)		Date of Organic Contaminants analysis by testing lab in "mo/dy/yr".
311	TEST_DAY_O	Test day (specific orgs)	Test day (specific organics)		Day of the Organic Contaminants of metals analysis by testing laboratory.
312	TESTMO_OR	Test month (spec orgs)	Test month (specific organics)		Month of Organic Contaminants analysis by testing laboratory.
313	TESTYR_OR	Test year (specific orgs)	Test year (specific organics)		Year of Organic Contaminants analysis by testing laboratory.
314	PCB_8_NGG	PCB 8 ng/g	PCB 8 ng/g	34883437	PCB congener # 8 of 209 possible in units of nanograms per gram (2,4'-DICHLOROBIPHENYL).
315	PCB_8_Q	PCB 8 ng/g q	PCB 8 ng/g qualifier		Qualifier concerning PCB congener #8.
316	PCB_8_DL	PCB 8 ng/g det lim	PCB 8 ng/g detection limit		The lowest detectable concentration of PCB 8 for this laboratory and this methodology.
317	PCB_18_NGG	PCB 18 ng/g	PCB 18 ng/g	37680652	PCB congener # 18 of 209 possible in units of nanograms per gram (2,2',5-TRICHLOROBIPHENYL).
318	PCB_18_Q	PCB 18 ng/g q	PCB 18 ng/g qualifier		Qualifier concerning PCB congener #18.
319	PCB_18_DL	PCB 18 ng/g det lim	PCB 18 ng/g detection limit		The lowest detectable concentration of PCB 18 for this laboratory and this methodology.
320	PCB_28_NGG	PCB 28 ng/g	PCB 28 ng/g	7012375	PCB congener # 28 of 209 possible in units of nanograms per gram (2,4,4'-TRICHLOROBIPHENYL).
321	PCB_28_Q	PCB 28 ng/g q	PCB 28 ng/g qualifier		Qualifier concerning PCB congener #28.
322	PCB_28_DL	PCB 28 ng/g det lim	PCB 28 ng/g detection limit		The lowest detectable concentration of PCB 28 for this laboratory and this methodology.
323	PCB_44_NGG	PCB 44 ng/g	PCB 44 ng/g	41464395	PCB congener # 44 of 209 possible in units of nanograms per gram (2,2',3,5'-TETRACHLOROBIPHENYL).
324	PCB_44_Q	PCB 44 ng/g q	PCB 44 ng/g qualifier		Qualifier concerning PCB congener #44.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
325	PCB_44_DL	PCB 44 ng/g det lim	PCB 44 ng/g detection limit		The lowest detectable concentration of PCB 44 for this laboratory and this methodology.
326	PCB_52_NGG	PCB 52 ng/g	PCB 52 ng/g	35693993	PCB congener # 52 of 209 possible in units of nanograms per gram (2,2',5,5'-TETRACHLOROBIPHENYL).
327	PCB_52_Q	PCB 52 ng/g q	PCB 52 ng/g qualifier		Qualifier concerning PCB congener #52.
328	PCB_52_DL	PCB 52 ng/g det lim	PCB 52 ng/g detection limit		The lowest detectable concentration of PCB 52 for this laboratory and this methodology.
329	PCB_66_NGG	PCB 66 ng/g	PCB 66 ng/g	32598100	PCB congener # 66 of 209 possible in units of nanograms per gram (2,3',4,4'-TETRACHLOROBIPHENYL).
330	PCB_66_Q	PCB 66 ng/g q	PCB 66 ng/g qualifier		Qualifier concerning PCB congener #56.
331	PCB_66_DL	PCB 66 ng/g det lim	PCB 66 ng/g detection limit		The lowest detectable concentration of PCB 66 for this laboratory and this methodology.
332	PCB_77_NGG	PCB 77/110 ng/g	PCB 77/110 ng/g	32598133, 383	PCB congener # 77/110 of 209 possible in units of nanograms per gram (3,3',4,4'-TETRACHLOROBIPHENYL).
333	PCB_77_Q	PCB 77/110 q	PCB 77/110 qualifier		Qualifier concerning PCB congener #77/110.
334	PCB_77_DL	PCB 77 ng/g det lim	PCB 77 ng/g detection limit		The lowest detectable concentration of PCB 77 for this laboratory and this methodology.
335	PCB101_NGG	PCB 101 ng/g	PCB 101 ng/g	37680732	PCB congener # 101 of 209 possible in units of nanograms per gram (2,2',4,5,5'-PENTACHLOROBIPHENYL).
336	PCB_101_Q	PCB 101 ng/g q	PCB 101 ng/g qualifier		Qualifier concerning PCB congener #101.
337	PCB_101_DL	PCB 101 ng/g det lim	PCB 101 ng/g detection limit		The lowest detectable concentration of PCB 101 for this laboratory and this methodology.
338	PCB105_NGG	PCB 105 ng/g	PCB 105 ng/g	35598144	PCB congener # 105 of 209 possible in units of nanograms per gram (2,3,3',4,4'-PENTACHLOROBIPHENYL).
339	PCB_105_Q	PCB 105 ng/g q	PCB 105 ng/g qualifier		Qualifier concerning PCB congener #105.
340	PCB_105_DL	PCB 105 ng/g det lim	PCB 105 ng/g detection limit		The lowest detectable concentration of PCB 105 for this laboratory and this methodology.
341	PCB118_NGG	PCB 118 ng/g	PCB 118 ng/g	31508006	PCB congener # 118 of 209 possible in units of nanograms per gram (2,3',4,4',5-PENTACHLOROBIPHENYL).
342	PCB_118_Q	PCB 118 ng/g q	PCB 118 ng/g qualifier		Qualifier concerning PCB congener #118.
343	PCB_118_DL	PCB 118 ng/g det lim	PCB 118 ng/g detection limit		The lowest detectable concentration of PCB 118 for this laboratory and this methodology.
344	PCB126_NGG	PCB 126 ng/g	PCB 126 ng/g	57465288	PCB congener # 126 of 209 possible in units of nanograms per gram (3,3',4,4',5-PENTACHLOROBIPHENYL).
345	PCB126_Q	PCB 126 q	PCB 126 qualifier		Qualifier concerning PCB congener #126.
346	PCB_126_DL	PCB 126 ng/g det lim	PCB 126 ng/g detection limit		The lowest detectable concentration of PCB 126 for this laboratory and this methodology.
347	PCB128_NGG	PCB 128 ng/g	PCB 128 ng/g	38380073	PCB congener # 128 of 209 possible in units of nanograms per gram (2,2',3,3',4,4'-HEXACHLOROBIPHENYL).
348	PCB_128_Q	PCB 128 ng/g q	PCB 128 ng/g qualifier		Qualifier concerning PCB congener #128 of 209.
349	PCB_128_DL	PCB 128 ng/g det lim	PCB 128 ng/g detection limit		The lowest detectable concentration of PCB 128 for this laboratory and this methodology.
350	PCB138_NGG	PCB 138 ng/g	PCB 138 ng/g	35065282	PCB congener # 138 of 209 possible in units of nanograms per gram (2,2',3,4,4',5'-HEXACHLOROBIPHENYL).
351	PCB_138_Q	PCB 138 ng/g q	PCB 138 ng/g qualifier		Qualifier concerning PCB congener #138.
352	PCB_138_DL	PCB 138 ng/g det lim	PCB 138 ng/g detection limit		The lowest detectable concentration of PCB 138 for this laboratory and this methodology.
353	PCB153_NGG	PCB 153 ng/g	PCB 153 ng/g	35065271	PCB congener # 153 of 209 possible in units of nanograms per gram (2,2',4,4',5,5'-HEXACHLOROBIPHENYL).
354	PCB_153_Q	PCB 153 ng/g q	PCB 153 ng/g qualifier		Qualifier concerning PCB congener #153.
355	PCB_153_DL	PCB 153 ng/g det lim	PCB 153 ng/g detection limit		The lowest detectable concentration of PCB 153 for this laboratory and this methodology.
356	PCB170_NGG	PCB 170 ng/g	PCB 170 ng/g	35065306	PCB congener # 170 of 209 possible in units of nanograms per gram (2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL).
357	PCB_170_Q	PCB 170 ng/g q	PCB 170 ng/g qualifier		Qualifier concerning PCB congener #170.
358	PCB_170_DL	PCB 170 ng/g det lim	PCB 170 ng/g detection limit		The lowest detectable concentration of PCB 170 for this laboratory and this methodology.
359	PCB180_NGG	PCB 180 ng/g	PCB 180 ng/g	36065293	PCB congener # 180 of 209 possible in units of nanograms per gram (2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL).
360	PCB_180_Q	PCB 180 ng/g q	PCB 180 ng/g qualifier		Qualifier concerning PCB congener #180.
361	PCB_180_DL	PCB 180 ng/g det lim	PCB 180 ng/g detection limit		The lowest detectable concentration of PCB 180 for this laboratory and this methodology.
362	PCB187_NGG	PCB 187 ng/g	PCB 187 ng/g	52663680	PCB congener # 187 of 209 possible in units of nanograms per gram (2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL).
363	PCB_187_Q	PCB 187 ng/g q	PCB 187 ng/g qualifier		Qualifier concerning PCB congener #187.
364	PCB_187_DL	PCB 187 ng/g det lim	PCB 187 ng/g detection limit		The lowest detectable concentration of PCB 187 for this laboratory and this methodology.
365	PCB195_NGG	PCB 195 ng/g	PCB 195 ng/g	52663782	PCB congener # 195 of 209 possible in units of nanograms per gram (2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL).
366	PCB_195_Q	PCB 195 ng/g q	PCB 195 ng/g qualifier		Qualifier concerning PCB congener #195.
367	PCB_195_DL	PCB 195 ng/g det lim	PCB 195 ng/g detection limit		The lowest detectable concentration of PCB 195 for this laboratory and this methodology.
368	PCB206_NGG	PCB 206 ng/g	PCB 206 ng/g	40186729	PCB congener # 206 of 209 possible in units of nanograms per gram (2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL).
369	PCB_206_Q	PCB 206 ng/g q	PCB 206 ng/g qualifier		Qualifier concerning PCB congener #206.

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370	PCB_206_DL	PCB 206 ng/g det lim	PCB 206 ng/g detection limit		The lowest detectable concentration of PCB 206 for this laboratory and this methodology.
371	PCB209_NGG	PCB 209 ng/g	PCB 209 ng/g	2051243	PCB congener # 209 of 209 possible in units of nanograms per gram (2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL).
372	PCB_209_Q	PCB 209 ng/g q	PCB 209 ng/g qualifier		Qualifier concerning PCB congener #209.
373	PCB_209_DL	PCB 209 ng/g det lim	PCB 209 ng/g detection limit		The lowest detectable concentration of PCB 209 for this laboratory and this methodology.
374	1016_1242C	Arochlor 1016/1242 ng/g	Arochlor 1016/1242 ng/g	12674112/5346	PCB in units of nanograms per gram, Arochlor equivalent No. 1016/1242; this is the older method of reporting PCB.
375	1016_1242Q	Arochlor 1016/1242q	Arochlor 1016/1242 qualifier		Any qualifier information or comments, e.g., less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
376	1016_1242D	Archlor 1016/1242 ng/g dl	PCB 1016/1242 ng/g detection limit		The lowest detectable concentration of PCB 1016/1242 for this laboratory and this methodology.
377	AC1221_NGG	Arochlor 1221 ng/g	Arochlor 1221 ng/g	11104282	PCB in units of nanograms per gram, Arochlor equivalent No. 1221; this is the older method of reporting PCB.
378	AC1221_Q	Arochlor 1221 q	Arochlor 1221 qualifier		Any qualifier information or comments, e.g., less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
379	AC1221_DL	Arochlor 1221 ng/g dl	Arochlor 1221 ng/g detection limit		The lowest detectable concentration of Arochlor 1221 for this laboratory and this methodology.
380	AC1232_NGG	Arochlor 1232 ng/g	Arochlor 1232 ng/g	1141165	PCB in units of nanograms per gram, Arochlor equivalent No. 1232; this is the older method of reporting PCB.
381	AC1232_Q	Arochlor 1232 q	Arochlor 1232 qualifier		Any qualifier information or comments, e.g. less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
382	AC1232_DL	Arochlor 1232 ng/g dl	Arochlor 1232 ng/g detection limit		The lowest detectable concentration of Arochlor 1232 for this laboratory and this methodology.
383	AC1242_NGG	Arochlor 1242 ng/g	Arochlor 1242 ng/g	53469329	PCB in units of nanograms per gram, Arochlor equivalent No. 1242; this is the older method of reporting PCB.
384	AC1242_Q	Arochlor 1242 q	Arochlor 1242 qualifier		Any qualifier information or comments, e.g. less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
385	AC1242_DL	Arochlor 1242 ng/g dl	Arochlor 1242 ng/g detection limit		The lowest detectable concentration of Arochlor 1242 for this laboratory and this methodology.
386	AC1248_NGG	Arochlor 1248 ng/g	Arochlor 1248 ng/g	12672296	PCB in units of nanograms per gram, Arochlor equivalent No. 1248; this is the older method of reporting PCB.
387	AC1248_Q	Arochlor 1248 q	Arochlor 1248 qualifier		Any qualifier information or comments, e.g. less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
388	AC1248_DL	Arochlor 1248 ng/g dl	Arochlor 1248 ng/g detection limit		The lowest detectable concentration of Arochlor 1248 for this laboratory and this methodology.
389	AC1254_NGG	Arochlor 1254 ng/g	Arochlor 1254 ng/g	11097691	PCB in units of nanograms per gram, Arochlor equivalent No. 1254; this is the older method of reporting PCB.
390	AC1254_Q	Arochlor 1254 q	Arochlor 1254 qualifier		Any qualifier information or comments e.g. less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
391	AC1254_DL	Arochlor 1254 ng/g dl	Arochlor 1254 ng/g detection limit		The lowest detectable concentration of Arochlor 1254 for this laboratory and this methodology.
392	AC1260_NGG	Arochlor 1260 ng/g	Arochlor 1260 ng/g	11096825	PCB in units of nanograms per gram, Arochlor equivalent No. 1260; this is the older method of reporting PCB.
393	AC1260_Q	Arochlor 1260 q	Arochlor 1260 qualifier		Any qualifier information or comments e.g. less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
394	AC1260_DL	Arochlor 1260 ng/g dl	Arochlor 1260 ng/g detection limit		The lowest detectable concentration of Arochlor 1260 for this laboratory and this methodology.
395	TOXPHENE_C	Toxaphene ng/g	Toxaphene ng/g	8001352	Toxaphene (pesticide) in units of nanograms per gram.
396	TOXPHENE_Q	Toxaphene q	Toxaphene qualifier		Any qualifier information or comments e.g...less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
397	TOXPHENE_D	Toxaphene det lim	Toxaphene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
398	DDT_4_4_C	DDT 4,4' ng/g	DDT 4,4' ng/g	50293	DDT 4,4' nanograms per gram = p,p DDT in units of nanograms per gram.
399	DDT_4_4_Q	DDT 4,4' q	DDT 4,4' qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
400	DDT_4_4_D	DDT 4,4' det lim	DDT 4,4' detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
401	DDT_2_4_C	DDT 2,4' ng/g	DDT 2,4' ng/g	789026	DDT 2,4 nanograms per gram = o,p DDT in units of nanograms per gram.
402	DDT_2_4_Q	DDT 2,4' q	DDT 2,4' qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
403	DDT_2_4_D	DDT 2,4' det lim	DDT 2,4' detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
404	DDE_4_4_C	DDE 4,4' ng/g	DDE 4,4' ng/g	72559	DDE 4,4 isomer in units of nanograms per gram.
405	DDE_4_4_Q	DDE 4,4' q	DDE 4,4' qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
406	DDE_4_4_D	DDE 4,4' det lim	DDE 4,4' detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
407	DDE_2_4_C	DDE 2,4' ng/g	DDE 2,4' ng/g	3424826	DDE 2,4 isomer in units of nanograms per gram.
408	DDE_2_4_Q	DDE 2,4' q	DDE 2,4' qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
409	DDE_2_4_D	DDE 2,4' det lim	DDE 2,4' detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
410	DDD_4_4_C	DDD 4,4' ng/g	DDD 4,4' ng/g	72548	DDD 4,4 isomer in units of nanograms per gram.
411	DDD_4_4_Q	DDD 4,4' q	DDD 4,4' qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
412	DDD_4_4_D	DDD 4,4' det lim	DDD 4,4' detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
413	DDD_2_4_C	DDD 2,4 ng/g	DDD 2,4 ng/g	53190	DDD 2,4 isomer in units of nanograms per gram.
414	DDD_2_4_Q	DDD 2,4' q	DDD 2,4' qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
415	DDD_2_4_D	DDD 2,4' det lim	DDD 2,4' detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
416	7CHLR_C	Heptachlor ng/g	Heptachlor ng/g	76448	Heptachlor (insecticide) in units of nanograms per gram.
417	7CHLR_Q	Heptachlor q	Heptachlor qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
418	7CHLR_D	Heptachlor det lim	Heptachlor detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
419	7CHLR_EPXC	Heptachlor epoxide ng/g	Heptachlor epoxide ng/g	1024573	Heptachlor epoxide (soil oxidation product, insecticide) in units of nanograms per gram.
420	7CHLR_EPXQ	Heptachlor epoxide q	Heptachlor epoxide qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
421	7CHLR_EPXD	Heptachlor epoxide dl	Heptachlor epoxide detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
422	6CBZ_HCB_C	6-chlorobenzene(HCB) ng/g	Hexachlorobenzene (HCB) ng/g	118741	Hexachlorobenzene (fungicide) in units of nanograms per gram.
423	6CLBNZ_Q	Hexachlorobenzene q	Hexachlorobenzene qualifier		Any qualifier information of comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
424	6CLBNZ_DL	Hexachlorobenzene det lim	Hexachlorobenzene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
425	ENDRIN_C	Endrin ng/g	Endrin ng/g	72208	Endrin(insecticide) in units of nanograms per gram.
426	ENDRIN_Q	Endrin q	Endrin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
427	ENDRIN_D	Endrin det lim	Endrin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
428	ENDR_ALD_C	Endrin Aldehyde ng/g	Endrin Aldehyde ng/g	7421363	Endrin Aldehyde (Endrin oxidation product) in units of nanograms per gram.
429	ENDR_ALD_Q	Endrin Aldehyde q	Endrin Aldehyde qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
430	ENDR_ALD_D	Endrin Aldehyde det lim	Endrin Aldehyde detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
431	ALDRIN_C	Aldrin ng/g	Aldrin ng/g	309002	Aldrin (insecticide) in units of nanograms per gram.
432	ALDRIN_Q	Aldrin q	Aldrin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
433	ALDRIN_D	Aldrin det lim	Aldrin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
434	DIELDRN_C	Dieldrin ng/g	Dieldrin ng/g	60571	Dieldrin (insecticide) in units of nanograms per gram.

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435	DIELDRN_Q	Dieldrin q	Dieldrin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
436	DIELDRN_D	Dieldrin det lim	Dieldrin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
437	CLRDNE_T_C	Chlordane (total) ng/g	Chlordane (total) ng/g	57749	Chlordane (pesticide) in units of nanograms per gram.
438	CLRDNE_T_Q	Chlordane (total) q	Chlordane (total) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
439	CLRDNE_T_D	Chlordane (total) dl	Chlordane (total) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
440	CLRDNE_A_C	Chlordane (alpha) ng/g	Chlordane (alpha) ng/g	5103719	Chlordane (alpha) in units of ng/g. Alpha chlordane is equivalent to cis-chlordane.
441	CLRDNE_A_Q	Chlordane (alpha) q	Chlordane (alpha) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
442	CLRDNE_A_D	Chlordane (alpha) dl	Chlordane (alpha) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
443	CLRDNE_G_C	Chlordane (gamma) ng/g	Chlordane (gamma) ng/g	5103742	Chlordane (gamma) (pesticide) in units of nanograms per gram. Gamma chlordane is equivalent to trans-chlordane.
444	CLRDNE_G_Q	Chlordane (gamma) q	Chlordane (gamma) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
445	CLRDNE_G_D	Chlordane (gamma) dl	Chlordane (gamma) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
446	C-9CHLOR_C	Cis-nonachlor ng/g	Cis-nonachlor ng/g		Cis-nonachlor in units of nanograms per gram.
447	C-9CHLOR_Q	Cis-nonachlor q	Cis-nonachlor q		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
448	C-9CHLOR_D	Cis-nonachlor det lim	Cis-nonachlor detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
449	T9CHLOR_C	Trans-nonachlor ng/g	Trans-nonachlor ng/g	39765805	Trans-nonachlor in units of nanograms per gram.
450	T9CHLOR_Q	Trans-nonachlor q	Trans-nonachlor qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
451	T9CHLOR_D	Trans-nonachlor det. lim	Trans-nonachlor detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
452	MIREX_C	Mirex ng/g	Mirex ng/g	2385855	Mirex (pesticide) in units of nanograms per gram.
453	MIREX_Q	Mirex q	Mirex qualifier		Any qualifier information of comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
454	MIREX_D	Mirex det lim	Mirex detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
455	METHOXYCLC	Methoxychlor ng/g	Methoxychlor ng/g	72435	Methoxychlor (pesticide) in units of nanograms per gram.
456	METHOXYCLQ	Methoxychlor q	Methoxychlor qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
457	METHOXYCLD	Methoxychlor det lim	Methoxychlor detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
458	BHC_A_C	BHC (alpha) ng/g	BHC (alpha) ng/g	319846	BHC (alpha isomer) - hexachlorocyclohexane, in units of nanograms per gram.
459	BHC_A_Q	BHC (alpha) q	BHC (alpha) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
460	BHC_A_D	BHC (alpha) det lim	BHC (alpha) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
461	BHC_B_C	BHC (beta) ng/g	BHC (beta) ng/g	319857	BHC (beta isomer) hexachlorocyclohexane in units of nanograms per gram.
462	BHC_B_Q	BHC (beta) q	BHC (beta) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
463	BHC_B_D	BHC (beta) det lim	BHC (beta) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
464	LINDANE_C	BHC (gamma)=Lindane ng/g	BHC (gamma) = Lindane ng/g	58899	BHC (gamma isomer) hexachlorocyclohexane in units of nanograms per gram; Lindane is also known as BHC (gamma).
465	LINDANE_Q	BHC (gamma) = Lindane q	BHC (gamma) = Lindane qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
466	LINDANE_D	BHC (gamma) = Lindane dl	BHC (gamma) = Lindane detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
467	BHC_D_C	BHC (delta) ng/g	BHC (delta) ng/g	319868	BHC (delta isomer) hexachlorocyclohexane in units of nanograms per gram.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
468	BHC_D_Q	BHC (delta) q	BHC (delta) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
469	BHC_D_D	BHC (delta) det lim	BHC (delta) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
470	ENDOSUL2_C	Endosulfan II ng/g	Endosulfan II ng/g	33213659	Endosulfan II (Endosulfan isomer) in units of nanograms per gram.
471	ENDOSUL2_Q	Endosulfan II q	Endosulfan II qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
472	ENDOSUL2_D	Endosulfan II det lim	Endosulfan II detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
473	ENDOS_SU_C	Endosulfan Sulfate ng/g	Endosulfan Sulfate ng/g	1031078	Endosulfan sulfate (endosulfan oxidation product) in units of nanograms per gram.
474	ENDOS_SU_Q	Endosulfan Sulfate q	Endosulfan Sulfate qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
475	ENDOS_SU_D	Endosulfan Sulfate dl	Endosulfan Sulfate detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
476	ENDOSUL1_C	Endosulfan I ng/g	Endosulfan I ng/g	959988	Endosulfan I (endosulfan isomer) in units of nanograms per gram.
477	ENDOSUL1_Q	Endosulfan I q	Endosulfan I qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
478	ENDOSUL1_D	Endosulfan I det lim	Endosulfan I detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
TABLE OF PAHS					
1	LOCAL ID	Local Row or ID Number	Local Row or ID Number		Same as in Sample Header section = ID for use by user in maintaining sample order. This number can be changed by users.
2	UNIQUE ID	Unique Sample ID (US#)	Unique Sample Identifier (US#)		Same as in Sample Header section = Database ID unique to this specific sample; assigned by USGS.
32	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Same as in Sample Header section = Library reference or repository for hardcopy.
479	BENZNE_C	Benzene ng/g	Benzene ng/g	71432	Parent structure of aromatic ring hydrocarbon class (PAH), in units of nanograms per gram.
480	BENZNE_Q	Benzene q	Benzene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
481	BENZNE_D	Benzene det lim	Benzene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
482	C1DIBZTPNC	Dibenzothiophene(C1) ng/g	Dibenzothiophene (C1) ng/g	132650	C1 dibenzothiophene (mass 198) in units of nanograms per gram, a subcomponent of dibenzothiophene.
483	C1DIBZTPNQ	Dibenzothiophene (C1) q	Dibenzothiophene (C1) qualifier		Any qualifier information or comments e.g....less than (<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
484	C1DIBZTPND	Dibenzothiophene (C1) dl	Dibenzothiophene (C1) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology
485	C2DIBZTPNC	Dibenzothiophene(C2) ng/g	Dibenzothiophene (C2) ng/g	132650	C2 dibenzothiophene (mass 212) in units of nanograms per gram, a subcomponent of dibenzothiophene.
486	C2DIBZTPNQ	Dibenzothiophene (C2) q	Dibenzothiophene (C2) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
487	C2DIBZTPND	Dibenzothiophene (C2) dl	Dibenzothiophene (C2) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
488	C3DIBZTPNC	Dibenzothiophene(C3) ng/g	Dibenzothiophene (C3) ng/g	132650	C3 dibenzothiophene (mass 226) in units of nanograms per gram, a subcomponent of dibenzothiophene.
489	C3DIBZTPNQ	Dibenzothiophene (C3) q	Dibenzothiophene (C3) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
490	C3DIBZTPND	Dibenzothiophene (C3) dl	Dibenzothiophene (C3) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
491	NAPHTHLN_C	Naphthalene ng/g	Naphthalene ng/g	91203	Measured napthalene (not substituted) in units of nanograms per gram
492	NAPHTHLN_Q	Naphthalene q	Naphthalene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
493	NAPHTHLN_D	Naphthalene det lim	Naphthalene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology
494	1MTYLNAP_C	1-Methyl-Napthalene ng/g	1-Methyl-Napthalene ng/g	90120	1-methylnaphthalene (PAH) in units of nanograms per gram, a subcomponent of C1 Naphthalene.
495	1MTYLNAP_Q	1-Methyl-Napthalene q	1-Methyl-Napthalene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
496	1MTYLNAP_D	1-Methyl-Napthalene dl	1-Methyl-Napthalene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.

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497	2MTYLNAP_C	2-Methyl-Napthalene ng/g	2-Methyl-Napthalene ng/g	91576	2-methylnaphthalene (PAH) in units of nanograms per gram, a subcomponent of C2 Naphthalene.
498	2MTYLNAP_Q	2-Methyl-Napthalene q	2-Methyl-Napthalene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
499	2MTYLNAP_D	2-Methyl-Napthalene dl	2-Methyl-Napthalene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
500	DIMTEHNP_C	2,6 dimethnapthalene ng/g	2,6 dimethylnapthalene ng/g		2,6-dimethylnapthalene (mass 156) in units of nanograms per gram.
501	DIMTEHNP_Q	2,6 dimethylnapthalene q	2,6 dimethylnapthalene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
502	DIMTEHNP_D	2,6 dimethylnapthalene dl	2,6 dimethylnapthalene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
503	TRIMTHNP_C	1,6,7-3methnaphth ng/g	1,6,7-trimethylnaphthalene ng/g		2,3,5-trimethylnapthalene (mass 170) = 1,6,7-trimethylnapthalene in units of nanograms per gram.
504	TRIMTHNP_Q	1,6,7-3methnaphthalene q	1,6,7-trimethylnaphthalene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
505	TRIMTHNP_D	1,6,7-3methnaphalene dl	1,6,7-trimethylnaphthalene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
506	C1NPHTLN_C	Naphthalenes (C1) ng/g	Naphthalenes (C1) ng/g		Total C1-alkylated naphthalene in units of nanograms per gram.
507	C1NPHTLN_Q	Naphthalenes (C1) q	Naphthalenes (C1) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
508	C1NPHTLN_D	Naphthalenes (C1) det lim	Naphthalenes (C1) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
509	C2NPHTLN_C	Naphthalenes (C2) ng/g	Naphthalenes (C2) ng/g	91203	Total C2-alkylated naphthalene in units of nanograms per gram.
510	C2NPHTLN_Q	Naphthalenes (C2) q	Naphthalenes (C2) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
511	C2NPHTLN_D	Naphthalenes (C2) det lim	Naphthalenes (C2) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
512	C3NPHTLN_C	Naphthalenes (C3) ng/g	Naphthalenes (C3) ng/g	91203	Total C3-alkylated naphthalene in units of nanograms per gram.
513	C3NPHTLN_Q	Naphthalenes (C3) q	Naphthalenes (C3) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
514	C3NPHTLN_D	Naphthalenes (C3) det lim	Naphthalenes (C3) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
515	C4NPHTLN_C	Naphthalenes (C4) ng/g	Naphthalenes (C4) ng/g	91203	Total C4-alkylated naphthalene (mass 184) in units of nanograms per gram.
516	C4NPHTLN_Q	Naphthalenes (C4) q	Naphthalenes (C4) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
517	C4NPHTLN_D	Naphthalenes (C4) det lim	Naphthalenes (C4) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
518	BIPHENYL_C	Biphenyl ng/g	Biphenyl ng/g	92524	Biphenyl (mass 154 also) in units of nanograms per gram.
519	BIPHENYL_Q	Biphenyl q	Biphenyl qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
520	BIPHENYL_D	Biphenyl det lim	Biphenyl detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
521	ACNPHTHN_C	Acenaphthene ng/g	Acenaphthene ng/g	83329	Acenaphthene (mass 154 also) in units of nanograms per gram.
522	ACNPHTHN_Q	Acenaphthene q	Acenaphthene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
523	ACNPHTHN_D	Acenaphthene det lim	Acenaphthene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
524	ACNPHTYL_C	Acenaphthylene ng/g	Acenaphthylene ng/g	208968	Acenaphthylene (mass 152) in units of nanograms per gram.
525	ACNPHTYL_Q	Acenaphthylene q	Acenaphthylene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
526	ACNPHTYL_D	Acenaphthylene det lim	Acenaphthylene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
527	FLUORENE_C	Fluorene ng/g	Fluorene ng/g	86737	Fluorene (mass 166) in units of nanograms per gram.
528	FLUORENE_Q	Fluorene q	Fluorene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
529	FLUORENE_D	Fluorene det lim	Fluorene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
530	C1FLORNE_C	Fluorene (C1) ng/g	Fluorene (C1) ng/g	86737	Fluorene C1 (mutagenic) in units of nanograms per gram.
531	C1FLORNE_Q	Fluorene (C1) q	Fluorene (C1) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
532	C1FLORNE_D	Fluorene (C1) det lim	Fluorene (C1) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
533	C2FLORNE_C	Fluorene (C2) ng/g	Fluorene (C2) ng/g	86737	Fluorene C2 (mutagenic) in units of nanograms per gram.
534	C2FLORNE_Q	Fluorene (C2) q	Fluorene (C2) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
535	C2FLORNE_D	Fluorene (C2) det lim	Fluorene (C2) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
536	C3FLORNE_C	Fluorene (C3) ng/g	Fluorene (C3) ng/g	86737	Fluorene C3 (mutagenic) in units of nanograms per gram.
537	C3FLORNE_Q	Fluorene (C3) q	Fluorene (C3) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
538	C3FLORNE_D	Fluorene (C3) det lim	Fluorene (C3) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
539	PHNANTHR_C	Phenanthrene ng/g	Phenanthrene ng/g	85018	Phenanthrene (mass 178) in units of nanograms per gram.
540	PHNANTHR_Q	Phenanthrene q	Phenanthrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
541	PHNANTHR_D	Phenanthrene det lim	Phenanthrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
542	1MT_PHE_C	1-Meth-Phenanthrene ng/g	1-Methyl-Phenanthrene ng/g	832699	Phenanthrene (C1) = 1-Methyl Phenanthrene (mass 192) in units of nanograms per gram.
543	1MT_PHE_Q	1-Methyl-Phenanthrene q	1-Methyl-Phenanthrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
544	1MT_PHE_D	1-Methyl-Phenanthrene dl	1-Methyl-Phenanthrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
545	C2PHNANT_C	Phenanthrene* (C2)	Phenanthrene* (C2)	85018	C2 homolog of phenanthrene (anthracene) (PAH) in units of nanograms per gram.
546	C2PHNANT_Q	Phenanthrene* (C2) q	Phenanthrene* (C2) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
547	C2PHNANT_D	Phenanthrene* (C2) dl	Phenanthrene* (C2) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
548	C3PHNANT_C	Phenanthrene* (C3)	Phenanthrene* (C3)	85018	C3 homolog of phenanthrene (anthracene) in units of nanograms per gram.
549	C3PHNANT_Q	Phenanthrene* (C3) q	Phenanthrene* (C3) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
550	C3PHNANT_D	Phenanthrene*(C3) det lim	Phenanthrene* (C3) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
551	C4PHNANT_C	Phenanthrene* (C4)	Phenanthrene* (C4)	85018	C4 homolog of phenanthrene (anthracene) in units of nanograms per gram.
552	C4PHNANT_Q	Phenanthrene* (C4) q	Phenanthrene* (C4) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
553	C4PHNANT_D	Phenanthrene*(C4) det lim	Phenanthrene* (C4) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
554	ANTHRACN_C	Anthracene ng/g	Anthracene ng/g	120127	Anthracene (mass 178) in units of nanograms per gram.
555	ANTHRACN_Q	Anthracene q	Anthracene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
556	ANTHRACN_D	Anthracene det lim	Anthracene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
557	BZ_A_ANT_C	Benz(a) anthracene ng/g	Benz(a) anthracene ng/g	56553	Anthracene (C1)=Benz anthracene = benzoanthracene = Benzo(a) anthracene (mass 228) in units of nanograms per gram.
558	BZ_A_ANT_Q	Benz(a) anthracene q	Benz(a) anthracene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
559	BZ_A_ANT_D	Benz (a) anthracene dl	Benz (a) anthracene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
560	2_AH_ANT_C	2benz(a,h)anthracene ng/g	dibenz (a,h) anthracene ng/g	53703	Anthracene (C1) = dibenz (a,h) anthracene (mass 278) = Dibenzo Anthracene in units of nanograms per gram.
561	2_AH_ANT_Q	2benz(a,h)anthracene q	dibenz (a,h) anthracene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.

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562	2_AH_ANT_D	2benz(a,h)anthracene dl	dibenz (a,h) anthracene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
563	PYRENE_C	Pyrene ng/g	Pyrene ng/g	129000	Pyrene (mass 202) in units of nanograms per gram.
564	PYRENE_Q	Pyrene q	Pyrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
565	PYRENE_D	Pyrene det lim	Pyrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
566	BZ_A_PYR_C	Benzo (a) pyrene ng/g	Benzo (a) pyrene ng/g	50328	Benzo (a) pyrene (mass 252 also) in units of nanograms per gram.
567	BZ_A_PYR_Q	Benzo (a) pyrene q	Benzo (a) pyrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
568	BZ_A_PYR_D	Benzo (a) pyrene det lim	Benzo (a) pyrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
569	BZ_E_PYR_C	Benzo (e) pyrene ng/g	Benzo (e) pyrene ng/g	192972	Benzo (e) pyrene (mass 252 also) in units of nanograms per gram.
570	BZ_E_PYR_Q	Benzo (e) pyrene q	Benzo (e) pyrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
571	BZ_E_PYR_D	Benzo (e) pyrene det lim	Benzo (e) pyrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
572	IN_123_PYC	Indeno(123)Pyrene ng/g	Indeno(123)Pyrene ng/g	193395	Indeno(123)Pyrene = Indeno(1,2,3-cd) pyrene in units of nanograms per gram.
573	IN_123_PYQ	Indeno(123)Pyrene q	Indeno(123)Pyrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
574	IN_123_PYD	Indeno(123)Pyrene det lim	Indeno(123)Pyrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
575	FLORNTHN_C	Fluoranthene ng/g	Fluoranthene ng/g	206440	Fluoranthene (mass 202) in units of nanograms per gram.
576	FLORNTHN_Q	Fluoranthene q	Fluoranthene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
577	FLORNTHN_D	Fluoranthene det lim	Fluoranthene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
578	BZ_B_FLUOC	Benz (b) fluoranthene ng/g	Benzo (b) fluoranthene ng/g	205992	Benzo (B) fluoranthene in units of nanograms per gram.
579	BZ_B_FLUOQ	Benzo (b) fluoranthene q	Benzo (b) fluoranthene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
580	BZ_B_FLUOD	Benzo (b) fluoranthene dl	Benzo (b) fluoranthene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
581	BZ_K_FLUOC	Benz (k) fluoranthene ng/g	Benzo (k) fluoranthene ng/g	207089	Benzo (K) fluoranthene in units of nanograms per gram.
582	BZ_K_FLUOQ	Benzo (k) fluoranthene q	Benzo (k) fluoranthene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
583	BZ_K_FLUOD	Benzo (k) fluoranthene dl	Benzo (k) fluoranthene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
584	CHRYSENE_C	Chrysene ng/g	Chrysene ng/g	218019	Chrysene (mass 228) in units of nanograms per gram.
585	CHRYSENE_Q	Chrysene q	Chrysene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
586	CHRYSENE_D	Chrysene det lim	Chrysene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
587	CHRYS_C1_C	Chrysene (C1) ng/g	Chrysene (C1) ng/g	218019	Chrysene (C1) in units of nanograms per gram.
588	CHRYS_C1_Q	Chrysene (C1) q	Chrysene (C1) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
589	CHRYS_C1_D	Chrysene (C1) det lim	Chrysene (C1) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
590	CHRYS_C2_C	Chrysene (C2) ng/g	Chrysene (C2) ng/g	218019	Chrysene (C2) in units of nanograms per gram.
591	CHRYS_C2_Q	Chrysene (C2) q	Chrysene (C2) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
592	CHRYS_C2_D	Chrysene (C2) det lim	Chrysene (C2) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
593	CHRYS_C3_C	Chrysene (C3) ng/g	Chrysene (C3) ng/g	218019	Chrysene (C3) in units of nanograms per gram.
594	CHRYS_C3_Q	Chrysene (C3) q	Chrysene (C3) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
595	CHRYS_C3_D	Chrysene (C3) det lim	Chrysene (C3) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
596	CHRYS_C4_C	Chrysene (C4) ng/g	Chrysene (C4) ng/g	218019	Chrysene (C4) in units of nanograms per gram.
597	CHRYS_C4_Q	Chrysene (C4) q	Chrysene (C4) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
598	CHRYS_C4_D	Chrysene (C4) det lim	Chrysene (C4) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
599	PERYLENE_C	Perylene ng/g	Perylene ng/g	198550	Perylene (mass 252) (PAH) in units of nanograms per gram.
600	PERYLENE_Q	Perylene q	Perylene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
601	PERYLENE_D	Perylene det lim	Perylene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
602	BNZ_G_PYLC	Benzo (g) Perylene ng/g	Benzo (g) Perylene ng/g		benzo (g) perylene (PAH) in units of nanograms per gram.
603	BZ_G_PYL_Q	Benzo (g) Perylene q	Benzo (g) Perylene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
604	BZ_G_PYL_D	Benzo (g) Perylene dl	Benzo (g) Perylene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
605	B_GHI_PYLC	Benz(g,h,i) Perylene ng/g	Benzo (g,h,i) Perylene ng/g	191242	benzo (g,h,i) perylene (mass 276) (PAH) in units of nanograms per gram.
606	B_GHI_PYLQ	Benzo (g,h,i) Perylene q	Benzo (g,h,i) Perylene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
607	B_GHI_PYLD	Benzo(g,h,i)Perylene dl	Benzo (g,h,i) Perylene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
TABLE OF TEXTURE/GRAIN SIZE					
1	LOCAL_ID	Local Row or ID Number	Local Row or ID Number		Same as in Sample Header section = ID for use by user in maintaining sample order. This number can be changed by users.
2	UNIQUE_ID	Unique Sample ID#	Unique Sample ID#		Same as in Sample Header section = Database ID unique to this specific sample; assigned by USGS.
32	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Same as in Sample Header section = Library reference or repository for hardcopy.
608	GRAIN_SIZE	Grain size test lab.	Grain size test lab.		Name or code for laboratory that performed the analysis for grain size and/or other physical properties.
609	LABID_SIZ	Lab.(size)Sample ID No.	Grain Size Lab Sample ID Number		Laboratory's ID number indicating specific sample (grain size).
610	LABJOB_SIZ	Lab.(size)Job ID No.	Grain Size Lab Job ID Number		Laboratory's ID number indicating Job No. or sample-tracking information (grain size).
5	REPL_NO	Replicate no _ of n	Replicate no _ of n		Number in set of replicate analyses. Leave blank when no replicates.
6	TOT_REPL	Total replicates n	Total replicates n		Total number of analyses in set of replicate analysis.
611	REQUESTER	Requester	Requester		Name of Principle Investigator or designee requesting analysis from laboratory.
612	LITHOLOGY	Lithology; phys. descrip.	Lithology; physical description		Lithology; text description of the non-biological part of the sample. See also DSCR_COLOR in station table.
613	DATE_OF_AN	Date of Analysis	Date of Analysis		Date of grain size or physical properties analysis by testing lab in format "mo/dy/yr".
614	MONTH_ANAL	Month anal.	Month of analysis		Month of analysis of sample.
615	DAY_ANAL_	Day anal.	Day of analysis		Day of analysis of sample.
616	YEAR_ANAL_	Year anal.	Year of analysis		Year of analysis of sample.
617	METHOD_FI	Method, fine frac.	Method, fine fraction		Method used in analysis of fine fraction; include reference code, if available.
618	METHOD_CO	Method, coarse frac.	Method, coarse fraction		Method used in analysis of coarse fraction.
619	PROCEDURE	Procedure	Procedure		Procedure used in any special treatment, e.g. acid treatment.
620	GRSZCOMM	Grain size report comment	Comments on grain size reporting		Any comments about how grain size analysis was reported (e.g., definition of Sand or Fine fraction)
621	SAMPLE_WT	Sample weight	Sample weight		Weight of dry sediment sample in original units.
622	SAMP_UNITS	Sample weight units	Sample weight units		Original units for weight of dry sediment sample.
623	Q1_MM	1st quartile (in mm)	1st quartile (in mm)		The 25% quartile of the cumulative weight frequency of the sediment grain diameters (in mm); this may be given as a numerical value in the reference or it may be read off a graph.
624	Q2_MED_MM	2nd quartile (mm)=median	2nd quartile (in mm) = median		The 50% quartile of the cumulative weight frequency of the sediment grain diameters (in mm); also called median; this may be given as a numerical value in the reference or it may be read off a graph.
625	Q3_MM	3rd quartile (in mm)	3rd quartile (in mm)		The 75% quartile of the cumulative weight frequency of the sediment grain diameters (in mm); this may be given as a numerical value in the reference or it may be read off a graph.
626	SPECIFIC_G	Specific Gravity g/cm3	Specific Gravity g/cm3		Specific Gravity of the dry sediment in units of grams per cubic centimeter.
627	GRAVEL_PCT	%Gravel	%Gravel		Gravel content in percent dry weight of the sample (particles with nominal diameters greater than 2 mm; -1Phi and larger

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
628	SAND_PCT	%Sand	%Sand		Sand content in percent dry weight of sample (particles with nominal diameters less than 2 mm but greater than or equal to 0.0625 mm; 0Phi through 4Phi)
629	SILT_PCT	%Silt	%Silt		Silt content in percent dry weight of the sample (particles with nominal diameters less than 0.0625 mm but greater than or equal to 0.004 mm; 5Phi through 8Phi, inclusive)
630	CLAY_PCT	%Clay	%Clay		Clay content in percent dry weight of the sample (particles with nominal diameters less than 0.004 mm; 9Phi and smaller)
631	FINES_SIL	%Fines (sllt+clay or mud)	%Fines (sllt+clay or mud)		Percent dry weight reported in both the silt and clay fractions (i.e. silt plus clay)
632	SED_CLASS	Sediment classification	Sediment classification		Sediment name or classification.
633	CLASSIF_S	Classif. system used	Classification system used		Classification system used to define dominant soil or sediment type; e.g., Shepard, Folk.
634	MEDIAN	Median	Median (middle point)		Median grain size (middle point in the grain-size distribution) in phi units; also = 50% quartile of the cumulative weight frequency.
635	MEAN	Mean	Mean (average)		Mean (average) grain size in phi units.
636	STDEV_SORT	St dev (Sorting)	Standard deviation (Sorting)		Standard deviation (root mean square of the deviations) of grain-size distribution in phi units.
637	SKEWNESS	Skewness	Skewness		Skewness (deviation from symmetrical form) of grain-size distribution in phi units.
638	KURTOSIS	Kurtosis	Kurtosis		Kurtosis (degree of curvature near the mode) of grain size distribution in phi units.
639	MODE_1_CLA	Mode 1 class	Mode 1 class		First mode (particle size that occurs the most number of times) in phi units.
640	MODE_1_STR	Mode 1 strength	Mode 1 strength		Mode strength in percent in the phi class.
641	MODE_2_CLA	Mode 2 class	Mode 2 class		Second mode in phi units.
642	MODE_2_STR	Mode 2 strength	Mode 2 strength		Mode strength in percent in the phi class.
643	MODE_3_CLA	Mode 3 class	Mode 3 class		Third mode in phi units.
644	MODE_3_STR	Mode 3 strength	Mode 3 strength		Mode strength in percent in the phi class.
645	NO_OF_MOD	No. of modes	Number of modes		Number of modes.
646	PHI_STEP	Phi step	Phi step		Phi step interval used in analysis.
647	FROM_PHI	From phi	From phi		Largest size measured, in phi units.
648	TO_PHI	To phi	To phi		Smallest particle size measured, in phi units.
649	PHIm6	Phi -6	Phi -6		Weight percent of the sample in the -6phi fraction (nominal diameter of particles greater than or equal to 64mm, but less than 128mm); values are obtained by graphical extrapolation from data for sizes less than 32mm (-4phi); small cobbles.
650	PHIm5	Phi -5	Phi -5		Weight percent of the sample in the -5phi fraction (nominal diameter of particles greater than or equal to 32mm, but less than 64 mm); very coarse pebbles.
651	PHIm4	Phi -4	Phi -4		Weight percent of the sample in the -4phi fraction (nominal diameter of particles greater than or equal to 16mm, but less than 32 mm); coarse pebbles (gravel).
652	PHIm3	Phi -3	Phi -3		Weight percent of the sample in the -3phi fraction (nominal diameter of particles greater than or equal to 8mm, but less than 16 mm); medium pebbles (gravel).
653	PHIm2	Phi -2	Phi -2		Weight percent of the sample in the -2phi fraction (nominal diameter of particles greater than or equal to 4mm, but less than 8 mm); fine pebbles (gravel).
654	PHIm1	Phi -1	Phi -1		Weight percent of the sample in the -1phi fraction (nominal diameter of particles greater than or equal to 2mm, but less than 4 mm); very fine pebbles (gravel).
655	PHI_0	Phi 0	Phi 0		Weight percent of the sample in the 0phi fraction (nominal diameter of particles greater than or equal to 1mm, but less than 2 mm); very coarse sand.
656	PHI_1	Phi 1	Phi 1		Weight percent of the sample in the 1phi fraction (nominal diameter of particles greater than or equal to 0.5mm, but less than 1 mm); coarse sand.
657	PHI_2	Phi 2	Phi 2		Weight percent of the sample in the 2phi fraction (nominal diameter of particles greater than or equal to 0.25mm, but less than 0.5 mm); medium sand.
658	PHI_3	Phi 3	Phi 3		Weight percent of the sample in the 3phi fraction (nominal diameter of particles greater than or equal to 0.125mm, but less than 0.25 mm); fine sand.
659	PHI_4	Phi 4	Phi 4		Weight percent of the sample in the 4phi fraction (nominal diameter of particles greater than or equal to 0.0625mm, but less than 0.125 mm); very fine sand.
660	PHI_5	Phi 5	Phi 5		Weight percent of the sample in the 5phi fraction (nominal diameter of particles greater than or equal to 0.031mm, but less than 0.0625 mm); coarse silt.
661	PHI_6	Phi 6	Phi 6		Weight percent of the sample in the 6phi fraction (nominal diameter of particles greater than or equal to 0.016mm, but less than 0.031 mm); medium silt.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
662	PHI_7	Phi 7	Phi 7		Weight percent of the sample in the7phi fraction (nominal diameter of particles greater than or equal to 0.008mm, but less than 0.016 mm); fine silt.
663	PHI_8	Phi 8	Phi 8		Weight percent of the sample in the 8phi fraction (nominal diameter of particles greater than or equal to 0.004mm, but less than 0.008 mm); very fine silt.
664	PHI_9	Phi 9	Phi 9		Weight percent of the sample in the 9phi fraction (nominal diameter of particles greater than or equal to 0.002mm, but less than 0.004 mm); coarse clay.
665	PHI_10	Phi 10	Phi 10		Weight percent of the sample in the 10phi fraction (nominal diameter of particles greater than or equal to 0.001mm, but less than 0.002 mm); medium clay.
666	PHI_11	Phi 11	Phi 11		Weight percent of the sample in the 11phi fraction (nominal diameter of particles greater than or equal to 0.5µm, but less than 0.001 mm); fine clay.
667	PHI_12	Phi 12	Phi 12		Weight percent of the sample in the 12phi fraction (nominal diameter of particles greater than or equal to 0.25 µm but less than 0.5 µm); very fine clay.
668	PHI_13	Phi 13	Phi 13		Weight percent of the sample in the 13phi fraction (nominal diameter of particles greater than 0.125µm but less than.0625µm); ***values obtained by graphical extrapolation.***
669	PHI_14	Phi 14	Phi 14		Weight percent of the sample in the 14phi fraction (nominal diameter of particles greater than.0625µm but less than.031µm); values obtained by graphical extrapolation.
670	PHI_15	Phi 15	Phi 15		Weight percent of the sample in the 15phi fraction (nominal diameter of particles greater than 0.031µm but less than.015µm); values obtained by graphical extrapolation.
671	PHI_16	Phi 16	Phi 16		Weight percent of the sample in the 16phi fraction (nominal diameter of particles greater than 0.015µm but less than.008µm); values obtained by graphical extrapolation.
672	PHI_17	Phi 17	Phi 17		Weight percent of the sample between 17phi (<~0.008 µm) and finer; values are obtained by graphical extrapolation, and at this size and smaller, probably are not representative of actual particle size.
673	PHI_GT_10	Phi >10	Phi >10		Weight percent of material < 0.001mm (10phi = 1 µm).
674	CLS_1_DSC	Class 1 descrip.	Class 1 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add Cum. amt. passing (or retained)'.
675	CLS_1_PCT	Class 1 %	Class 1 %		Amount (weight percent) for given class.
676	CLS_2_DSC	Class 2 descrip.	Class 2 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
677	CLS_2_PCT	Class 2 %	Class 2 %		Amount (weight percent) for given class.
678	CLS_3_DSC	Class 3 descrip.	Class 3 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
679	CLS_3_PCT	Class 3 %	Class 3 %		Amount (weight percent) for given class.
680	CLS_4_DSC	Class 4 descrip.	Class 4 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
681	CLS_4_PCT	Class 4 %	Class 4 %		Amount (weight percent) for given class.
682	CLS_5_DSC	Class 5 descrip.	Class 5 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
683	CLS_5_PCT	Class 5 %	Class 5 %		Amount (weight percent) for given class.
684	CLS_6_DSC	Class 6 descrip.	Class 6 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
685	CLS_6_PCT	Class 6 %	Class 6 %		Amount (weight percent) for given class.
686	CLS_7_DSC	Class 7 descrip.	Class 7 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
687	CLS_7_PCT	Class 7 %	Class 7 %		Amount (weight percent) for given class.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
688	CLS_8_DSC	Class 8 descrip.	Class 8 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
689	CLS_8_PCT	Class 8 %	Class 8 %		Amount (weight percent) for given class.
690	CLS_9_DSC	Class 9 descrip.	Class 9 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
691	CLS_9_PCT	Class 9 %	Class 9 %		Amount (weight percent) for given class.
692	CLS_10_DSC	Class 10 descrip.	Class 10 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
693	CLS_10_PCT	Class 10 %	Class 10 %		Amount (weight percent) for given class.
694	CLS_11_DSC	Class 11 descrip.	Class 11 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
695	CLS_11_PCT	Class 11 %	Class 11 %		Amount (weight percent) for given class.
696	CLS_12_DSC	Class 12 descrip.	Class 12 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
697	CLS_12_PCT	Class 12 %	Class 12 %		Amount (weight percent) for given class.
698	CLS_13_DSC	Class 13 descrip.	Class 13 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
699	CLS_13_PCT	Class 13 %	Class 13 %		Amount (weight percent) for given class.
700	CLS_14_DSC	Class 14 descrip.	Class 14 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
701	CLS_14_PCT	Class 14 %	Class 14 %		Amount (weight percent) for given class.
702	CLS_15_DSC	Class 15 descrip.	Class 15 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
703	CLS_15_PCT	Class 15 %	Class 15 %		Amount (weight percent) for given class.
704	CLS_16_DSC	Class 16 descrip.	Class 16 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
705	CLS_16_PCT	Class 16 %	Class 16 %		Amount (weight percent) for given class.
706	ANALYST	Analyst	Analyst		Name or initials of person who performed the grain size or physical properties analysis.
WORKING DICTIONARY					
707	ABUNITS	Abbreviation for units	Abbreviation for units		Units and their abbreviation used in database.
708	NAVMODES	Navigational modes	List of navigational modes		List of frequently cited navigational modes.
709	DEVLIST	List of sampling devices	List of sampling devices		List of sampling devices.
714	REFNAMES	Journal or ref names	List of journal or reference names		List of frequently cited journal or reference names.
715	ABREFS	Journal or ref names abb	Abbreviation for journal or reference names		Abbreviation used in database for journal or reference names.
716	METHODS	Analytical methods	List of analytical methods		List of frequently cited analytical methods and their abbreviations.
717	FREQITEM	Frequently cited items	Additional frequently cited items		Add columns as necessary to keep a listing of the full name for anything that the DATA ENTRY person wishes to enter in the database in a shortened version.
718	INITIALS	Data entry initials	Data entry initials		Initials and names of data entry persons used in database.
719	AREA_CODE	Area Codes	Codes for sample location		Codes used in database for area that sample is located in. Codes may be changed by the user.
720	DEPT_CODE	Depth Codes	Codes for sample depth		Codes used in database for depth in sediment of sample. Codes may be changed by the user.
721	TAG_CODE	Field-Tag Codes	Codes for tagged data		Codes for data that has been tagged as needing further investigation because of either missing values, questionable data, or inconsistencies. After resolution, tag is converted to entry in appropriate comments field.
722	ID_ASSIGN	ID assignments	Unique ID No. Assignments		Unique ID No. Assignments.
723	AGENCIES	Agency abbreviations	Agency abbreviations		Agencies and their abbreviation used in database.
724	NEW_FLDS	List of new fields	List of fields added by data entry person		Name of any fields added to the database format during data entry to accommodate parameters not included in the database.

USGS ROW #	Short Field Name (10 characters)	Medium length Field Name (25 characters long)	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
725	PLNEWFLD	Placement of added fields	Placement of added fields		Name of table, category, and nearest fields in the database for an added field. Also the Unique ID No. or Local Row No. and initials of data entry person at time of addition.
726	DEL_FLDS	List of deleted fields	List of deleted fields		Name of any fields deleted from the database format during data entry.
727	PCBLIST	List of PCBs	List of PCBs		List of all PCBs and their alternate names in the organics section of the database.
728	QUAL	Qualifiers	Qualifiers		Listing of comments/qualifiers commonly used throughout the database.