	A	B	C	D	E	F	G	H
1	**LOCAL**	**STAID**	**SOURCE**	**DATES**	**LAT**	**LONG**	**DLAT**	**DLONG**
2								
3	SQ 45	414148075550901	USGS	7.14.1930	413945	755428	41.6625	-75.9078
4	SQ 60	413832075315101	USGS		413832	753150	41.6423	-75.5305
5	SQ 77	414308075551701	USGS	6/7/1982	414308	755517	41.71889	-75.9214
6	SQ 78	414127075542801	USGS	6/8/1982	414127	755428	41.69083	-75.9078
7	SQ 80	414512075542801	USGS	6/8/1982	414156	755428	41.69889	-75.9078
8	SQ 81	414556075533901	USGS	6/8/1982	414204	755339	41.70111	-75.8942
9	SQ 90	414829075551701	USGS	6/8/1982	414414	755517	41.73722	-75.9214
10	SQ 92	414406075584701	USGS	6/8/1982	414310	755847	41.71944	-75.9797
11	SQ 93	414117075590301	USGS	6/8/1982	414117	755903	41.68806	-75.9842
12	SQ 99	414202076005901	USGS		414202	760058	41.72452	-76.0796
13	SQ 100	414328076044801	USGS	6/15/1982	414328	760448	41.72444	-76.08
14	SQ 102	414049075451601	USGS	6/1/1982	414049	754516	41.68028	-75.7544
15	SQ 103	414203075454201	USGS		414203	754541	41.70091	-75.7613
16	SQ 105	414209075455601	USGS	6/1/1982	414209	754556	41.7025	-75.7656
17	SQ 106	414210075460801	USGS		414210	754607	41.70286	-75.7685
18	SQ 108	414124075510801	USGS		414124	755107	41.69008	-75.8519
19	SQ 111	414420075492201	USGS	6/2/1982	414420	754922	41.73889	-75.8228
20	SQ 113	414233075452201	USGS	6/3/1982	414233	754522	41.70917	-75.7561
21	SQ 120	414803075433801	USGS	6/14/1982	414803	754338	41.80083	-75.7272
22	SQ 123	414915075445501	USGS	6/14/1982	414915	754455	41.82083	-75.7486
23	SQ 125	414804075415301	USGS	6/14/1982	414804	754153	41.80111	-75.6981
24	SQ 126	414056075432801	USGS	6/7/1982	414056	754328	41.68222	-75.7244
25	SQ 133	414450075405901	USGS	6/7/1982	414450	754059	41.74722	-75.6831
26	SQ 135	413904075410901	USGS	6/8/1982	413904	754109	41.65111	-75.6858
27	SQ 137	414036075383301	USGS	6/8/1982	414036	753833	41.67667	-75.6425
28	SQ 142	414241075393401	USGS	6/9/1982	414241	753934	41.71139	-75.6594
29	SQ 148	414813075384101	USGS	6/15/1982	414813	753841	41.80361	-75.6447
30	SQ 150	414744075401001	USGS	6/15/1982	414744	754010	41.79556	-75.6694
31	SQ 151	414026076062201	USGS	6/15/1982	414026	760622	41.67389	-76.1061
32	SQ 152	413957076041001	USGS	6/15/1982	413957	760410	41.66583	-76.0694
33	SQ 166	414833075502501	USGS	6/21/1982	414833	755025	41.80917	-75.8403
34	SQ 167	414859075492101	USGS	6/21/1982	414859	754921	41.81639	-75.8225
35	SQ 168	415100075474101	USGS	6/22/1982	415100	754741	41.85	-75.7947
36	SQ 169	414847075473001	USGS	6/22/1982	414847	754730	41.81306	-75.7917
37	SQ 170	414542075463301	USGS	6/22/1982	414542	754633	41.76167	-75.7758
38	SQ 171	414518075473201	USGS	6/22/1982	414518	754732	41.755	-75.7922
39	SQ 172	414616075461701	USGS	6/22/1982	414616	754617	41.77111	-75.7714
40	SQ 177	414727075404901	USGS	6/15/1982	414727	754049	41.79083	-75.6803
41	SQ 178	415121075395001	USGS	6/15/1982	414846	753950	41.81278	-75.6639
42	SQ 179	414837075395201	USGS	6/15/1982	414837	753952	41.81028	-75.6644
43	SQ 181	414925075405201	USGS	6/15/1982	414925	754052	41.82361	-75.6811
44	SQ 183	415124075423101	USGS	6/16/1982	415124	754231	41.85667	-75.7086

	A	B	C	D	E	F	G	H
45	SQ 186	415137075394601	USGS	6/16/1982	415137	753946	41.86028	-75.6628
46	SQ 187	415133075391701	USGS	6/16/1982	415133	753917	41.85917	-75.6547
47	SQ 190	415913075394301	USGS	6/21/1982	415913	753943	41.98694	-75.6619
48	SQ 193	415848075440801	USGS	6/21/1982	415848	754408	41.98	-75.7356
49	SQ 195	415602075441301	USGS	6/22/1982	415602	754413	41.93389	-75.7369
50	SQ 226	414054075304701	USGS		414054	753046	41.68175	-75.5127
51	SQ 231	413912075330301	USGS	6/22/1982	413912	753303	41.65333	-75.5508
52	SQ 233	413926075355201	USGS	6/22/1982	413926	753552	41.65722	-75.5978
53	SQ 234	414239075361601	USGS	6/23/1982	414239	753616	41.71083	-75.6044
54	SQ 236	414442075344501	USGS	6/23/1982	414442	753445	41.745	-75.5792
55	SQ 239	414404075311901	USGS	6/28/1982	414404	753119	41.73444	-75.5219
56	SQ 245	415135075324401	USGS	6/29/1982	415135	753244	41.85972	-75.5456
57	SQ 246	415100075311601	USGS	6/29/1982	415100	753116	41.85	-75.5211
58	SQ 247	415005075313701	USGS	6/29/1982	415005	753137	41.83472	-75.5269
59	SQ 248	415039075321601	USGS	6/29/1982	415039	753216	41.84417	-75.5378
60	SQ 249	415136075371801	USGS	6/30/1982	415136	753718	41.86	-75.6217
61	SQ 250	414847075361601	USGS	6/30/1982	414847	753616	41.81306	-75.6044
62	SQ 257	415231075413801	USGS	6/22/1982	415231	754138	41.87528	-75.6939
63	SQ 260	415941075435501	USGS	6/22/1982	415941	754355	41.99472	-75.7319
64	SQ 262	415918075450901	USGS	6/22/1982	415918	754509	41.98833	-75.7525
65	SQ 265	415240075504601	USGS		415240	755045	41.87785	-75.8457
66	SQ 266	415403075485701	USGS	6/23/1982	415403	754857	41.90083	-75.8158
67	SQ 270	415610075494301	USGS	6/28/1982	415610	754943	41.93611	-75.8286
68	SQ 271	415623075353201	USGS	6/29/1982	415623	753532	41.93972	-75.5922
69	SQ 273	415920075360401	USGS	6/29/1982	415920	753604	41.98889	-75.6011
70	SQ 274	415734075324001	USGS	6/29/1982	415734	753240	41.95944	-75.5444
71	SQ 276	414920075572201	USGS	6/28/1982	414920	755722	41.82222	-75.9561
72	SQ 277	415035075571501	USGS	6/28/1982	415035	755715	41.84306	-75.9542
73	SQ 278	414700075583901	USGS	6/29/1982	414700	755839	41.78333	-75.9775
74	SQ 279	414526075573101	USGS	6/29/1982	414526	755731	41.75722	-75.9586
75	SQ 280	414536075571701	USGS	6/29/1982	414536	755717	41.76	-75.9547
76	SQ 281	414657075551001	USGS	6/29/1982	414657	755510	41.7825	-75.9194
77	SQ 302	414805075324401	USGS	6/30/1982	414805	753244	41.80139	-75.5456
78	SQ 327	415723075314301	USGS	6/29/1982	415723	753143	41.95639	-75.5286
79	SQ 333	415331075345301	USGS	6/30/1982	415331	753453	41.89194	-75.5814
80	SQ 338	415608075333201	USGS	6/30/1982	415608	753332	41.93556	-75.5589
81	SQ 344	415457075481401	USGS	7/5/1982	415457	754814	41.91583	-75.8039
82	SQ 345	415611075500501	USGS		415611	755004	41.93647	-75.8344
83	SQ 346	415920075480201	USGS	7/5/1982	415920	754802	41.98889	-75.8006
84	SQ 347	415952075500101	USGS		415952	755000	41.99785	-75.8332
85	SQ 350	415930075563301	USGS		415930	755632	41.99174	-75.9421
86	SQ 367	414541076002101	USGS	7/6/1982	414541	760021	41.76139	-76.0058
87	SQ 368	415049076061601	USGS	7/6/1982	415049	760616	41.84694	-76.1044
88	SQ 369	414913076045001	USGS	7/6/1982	414913	760450	41.82028	-76.0806
89	SQ 370	415531076032301	USGS	7/7/1982	415531	760323	41.92528	-76.0564
90	SQ 371	415245076062601	USGS	7/7/1982	415245	760626	41.87917	-76.1072

	A	B	C	D	E	F	G	H
91	SQ 372	415348076065501	USGS	7/7/1982	415348	760655	41.89667	-76.1153
92	SQ 376	415858075570601	USGS	7/6/1982	415858	755706	41.98278	-75.9517
93	SQ 379	415759075572101	USGS	7/6/1982	415759	755721	41.96639	-75.9558
94	SQ 381	415522075582501	USGS	7/6/1982	415522	755825	41.92278	-75.9736
95	SQ 382	415433075583501	USGS		415433	755834	41.90924	-75.976
96	SQ 384	415305075543301	USGS	7/7/1982	415305	755433	41.88472	-75.9092
97	SQ 385	415256075583701	USGS	7/7/1982	415256	755837	41.88222	-75.9769
98	SQ 393	415946076080501	USGS	7/12/1982	415946	760805	41.99611	-76.1347

	I	J	K	L	M	N	O	P
1	**CNTYC**	**BASINS**	**GEO1**	**GEOLITH**	**P00090**	**P00301**	**R00400**	**P00400**
2						**DO%**		**pH**
3	SUSQUEHANNA							
4	SUSQUEHANNA							7.70
5	SUSQUEHANNA	7	redsed	7				7.2
6	SUSQUEHANNA	7	redsed	7				7.70
7	SUSQUEHANNA	7	redsed	7				7.50
8	SUSQUEHANNA	7	redsed	7				7.40
9	SUSQUEHANNA	6	redsed	7				8.10
10	SUSQUEHANNA	7	redsed	7				7.30
11	SUSQUEHANNA	7	redsed	7				7.60
12	SUSQUEHANNA							7.30
13	SUSQUEHANNA	6	redsed	7				7.6
14	SUSQUEHANNA	7	redsed	7				7.4
15	SUSQUEHANNA							7.4
16	SUSQUEHANNA	7	redsed	7				
17	SUSQUEHANNA							
18	SUSQUEHANNA							
19	SUSQUEHANNA	7	redsed	7				
20	SUSQUEHANNA	7	redsed	7				
21	SUSQUEHANNA	7	redsed	7				
22	SUSQUEHANNA	7	redsed	7				
23	SUSQUEHANNA	7	redsed	7				
24	SUSQUEHANNA	7	redsed	7				
25	SUSQUEHANNA	7	redsed	7				
26	SUSQUEHANNA	7	redsed	7				
27	SUSQUEHANNA	7	redsed	7				
28	SUSQUEHANNA	7	redsed	7				
29	SUSQUEHANNA	7	redsed	7				
30	SUSQUEHANNA	7	redsed	7				
31	SUSQUEHANNA	6	redsed	7				9.1
32	SUSQUEHANNA	7	redsed	7				7.6
33	SUSQUEHANNA	7	redsed	7				7.9
34	SUSQUEHANNA	7	redsed	7				7.4
35	SUSQUEHANNA	7	redsed	7				6.4
36	SUSQUEHANNA	7	redsed	7				7.3
37	SUSQUEHANNA	7	redsed	7				7.5
38	SUSQUEHANNA	7	redsed	7				7.4
39	SUSQUEHANNA	7	redsed	7				6.8
40	SUSQUEHANNA	7	redsed	7				
41	SUSQUEHANNA	7	redsed	7				
42	SUSQUEHANNA	7	redsed	7				
43	SUSQUEHANNA	7	redsed	7				
44	SUSQUEHANNA	7	redsed	7				

	I	J	K	L	M	N	O	P
45	SUSQUEHANNA	7	redsed	7				
46	SUSQUEHANNA	7	redsed	7				
47	SUSQUEHANNA	7	redsed	7				
48	SUSQUEHANNA	7	redsed	7				
49	SUSQUEHANNA	7	shale	10				
50	SUSQUEHANNA							7.2
51	SUSQUEHANNA	7	redsed	7				7.6
52	SUSQUEHANNA	7	redsed	7				7
53	SUSQUEHANNA	7	redsed	7				6.8
54	SUSQUEHANNA	7	redsed	7				7
55	SUSQUEHANNA	7	redsed	7				7.9
56	SUSQUEHANNA	7	redsed	7				7
57	SUSQUEHANNA	7	redsed	7				6.8
58	SUSQUEHANNA	7	redsed	7				7
59	SUSQUEHANNA	7	redsed	7				7
60	SUSQUEHANNA	7	redsed	7				6.9
61	SUSQUEHANNA	7	redsed	7				7.1
62	SUSQUEHANNA	7	redsed	7				
63	SUSQUEHANNA	7	shale	10				
64	SUSQUEHANNA	7	shale	10				
65	SUSQUEHANNA							
66	SUSQUEHANNA	7	redsed	7				
67	SUSQUEHANNA	7	shale	10				
68	SUSQUEHANNA	7	redsed	7				
69	SUSQUEHANNA	7	shale	10				
70	SUSQUEHANNA	7	shale	10				
71	SUSQUEHANNA	6	redsed	7				7.3
72	SUSQUEHANNA	6	redsed	7				8
73	SUSQUEHANNA	6	redsed	7				7.5
74	SUSQUEHANNA	6	redsed	7				7
75	SUSQUEHANNA	6	redsed	7				7.3
76	SUSQUEHANNA	6	redsed	7				7.2
77	SUSQUEHANNA	7	redsed	7				7.1
78	SUSQUEHANNA	7	redsed	7				
79	SUSQUEHANNA	7	redsed	7				
80	SUSQUEHANNA	7	redsed	7				
81	SUSQUEHANNA	7	redsed	7				
82	SUSQUEHANNA							
83	SUSQUEHANNA	7	shale	10				
84	SUSQUEHANNA							
85	SUSQUEHANNA							
86	SUSQUEHANNA	6	redsed	7				6.9
87	SUSQUEHANNA	6	shale	10				6.7
88	SUSQUEHANNA	6	redsed	7				7.4
89	SUSQUEHANNA	6	shale	10				7.1
90	SUSQUEHANNA	6	redsed	7				7.3

	I	J	K	L	M	N	O	P
91	SUSQUEHANNA	6	shale	10				6.8
92	SUSQUEHANNA	7	redsed	7				
93	SUSQUEHANNA	7	redsed	7				
94	SUSQUEHANNA	7	shale	10				
95	SUSQUEHANNA							
96	SUSQUEHANNA	7	redsed	7				
97	SUSQUEHANNA	6	redsed	7				
98	SUSQUEHANNA	6	shale	10				

	Q	R	S	T	U	V	W	X	Y
1	**R61028**	**P61028**	**P63002**	**P63675**	**P63676**	**P39087**	**P29801**	**P39086**	**P90095**
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

	Q	R	S	T	U	V	W	X	Y
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									
64									
65									
66									
67									
68									
69									
70									
71									
72									
73									
74									
75									
76									
77									
78									
79									
80									
81									
82									
83									
84									
85									
86									
87									
88									
89									
90									

	Q	R	S	T	U	V	W	X	Y
91									
92									
93									
94									
95									
96									
97									
98									

	Z	AA	AB	AC	AD	AE	AF	AG	AH
1	**P90410**	**P95902**	**P00435**	**P00904**	**P00905**	**R00900**	**P00900**	**LOCAL**	**P00902**
2							**Hardness**		
3							51	SQ 45	
4								SQ 60	
5							140	SQ 77	
6							89	SQ 78	
7							140	SQ 80	
8							130	SQ 81	
9							25	SQ 90	
10							120	SQ 92	
11							130	SQ 93	
12							85.5	SQ 99	
13							130	SQ 100	
14							120	SQ 102	
15							153.9	SQ 103	
16							150	SQ 105	
17							34.2	SQ 106	
18							136.8	SQ 108	
19							110	SQ 111	
20							100	SQ 113	
21							89	SQ 120	
22							120	SQ 123	
23							48	SQ 125	
24							20	SQ 126	
25							110	SQ 133	
26							160	SQ 135	
27							110	SQ 137	
28							100	SQ 142	
29							110	SQ 148	
30							150	SQ 150	
31							25	SQ 151	
32							180	SQ 152	
33							65	SQ 166	
34							120	SQ 167	
35							89	SQ 168	
36							94	SQ 169	
37							100	SQ 170	
38							120	SQ 171	
39							65	SQ 172	
40							110	SQ 177	
41							120	SQ 178	
42							97	SQ 179	
43							120	SQ 181	
44							100	SQ 183	

	Z	AA	AB	AC	AD	AE	AF	AG	AH
45							99	SQ 186	
46							46	SQ 187	
47							100	SQ 190	
48							130	SQ 193	
49							97	SQ 195	
50							85.5	SQ 226	
51							130	SQ 231	
52							68	SQ 233	
53							67	SQ 234	
54							43	SQ 236	
55							75	SQ 239	
56							50	SQ 245	
57							20	SQ 246	
58							72	SQ 247	
59							65	SQ 248	
60							110	SQ 249	
61							86	SQ 250	
62							69	SQ 257	
63							40	SQ 260	
64							57	SQ 262	
65							102.6	SQ 265	
66							24	SQ 266	
67							53	SQ 270	
68							80	SQ 271	
69							58	SQ 273	
70							89	SQ 274	
71							92	SQ 276	
72							41	SQ 277	
73							95	SQ 278	
74							70	SQ 279	
75							71	SQ 280	
76							77	SQ 281	
77							68	SQ 302	
78							6	SQ 327	
79							58	SQ 333	
80							150	SQ 338	
81							36	SQ 344	
82							34.2	SQ 345	
83							170	SQ 346	
84							307.8	SQ 347	
85							239.4	SQ 350	
86							110	SQ 367	
87							57	SQ 368	
88							99	SQ 369	
89							150	SQ 370	
90							130	SQ 371	

	Z	AA	AB	AC	AD	AE	AF	AG	AH
91							140	SQ 372	
92							77	SQ 376	
93							28	SQ 379	
94							100	SQ 381	
95							85.5	SQ 382	
96							87	SQ 384	
97							140	SQ 385	
98							90	SQ 393	

	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
1	**P00903**	**R00300**	**P00300**	**R00095**	**P00095**	**P00010**	**R00403**	**P00403**	**P00410**
2					**SpecCond**				
3									
4					301				
5					355				
6					285				
7					355				
8					330				
9					435				
10					285				
11					330				
12					260				
13					320				
14					295				
15					295				
16					390				
17					395				
18					330				
19					240				
20					210				
21					230				
22					260				
23					116				
24					250				
25					295				
26					1200				
27					295				
28					240				
29					282				
30					330				
31					515				
32					400				
33					280				
34					240				
35					280				
36					230				
37					250				
38					300				
39					175				
40					287				
41					280				
42					230				
43					285				
44					220				

	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
45					230				
46					120				
47					390				
48					300				
49					389				
50					190				
51					310				
52					170				
53					160				
54					110				
55					160				
56					125				
57					90				
58					135				
59					170				
60					230				
61					225				
62					223				
63					970				
64					165				
65					335				
66					275				
67					199				
68					200				
69					158				
70					345				
71					260				
72					410				
73					250				
74					185				
75					240				
76					210				
77					195				
78					710				
79					155				
80					335				
81					139				
82					430				
83					820				
84					710				
85					570				
86					265				
87					190				
88					275				
89					430				
90					370				

	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
91					380				
92					170				
93					70				
94					190				
95					325				
96					240				
97					315				
98					224				

	AR	AS	AT	AU	AV
1	**P00419**	**R00080**	**P00080**	**FIELDSMCL**	**FIELDMCL**
2					
3					
4					
5				0	
6				0	
7				0	
8				0	
9				0	
10				0	
11				0	
12					
13				0	
14				0	
15					
16				0	
17					
18					
19				0	
20				0	
21				0	
22				0	
23				0	
24				0	
25				0	
26				0	
27				0	
28				0	
29				0	
30				0	
31				1	
32				0	
33				0	
34				0	
35				0	
36				0	
37				0	
38				0	
39				0	
40				0	
41				0	
42				0	
43				0	
44				0	

	AR	AS	AT	AU	AV
45				0	
46				0	
47				0	
48				0	
49				0	
50					
51				0	
52				0	
53				0	
54				0	
55				0	
56				0	
57				0	
58				0	
59				0	
60				0	
61				0	
62				0	
63				0	
64				0	
65					
66				0	
67				0	
68				0	
69				0	
70				0	
71				0	
72				0	
73				0	
74				0	
75				0	
76				0	
77				0	
78				0	
79				0	
80				0	
81				0	
82					
83				0	
84					
85					
86				0	
87				0	
88				0	
89				0	
90				0	

	AR	AS	AT	AU	AV
91				0	
92				0	
93				0	
94				0	
95					
96				0	
97				0	
98				0	

	A	B	C	D	E	F	G	H
1	**LOCAL**	**STAID**	**SOURCE**	**DATES**	**LAT**	**LONG**	**DLAT**	**DLONG**
2								
3	SQ 45	414148075550901	USGS		414148	0755509	41.69667	-75.9192
4	SQ 77	414308075551701	USGS	6/7/1982	414308	755517	41.71889	-75.9214
5	SQ 78	414127075542801	USGS	6/8/1982	413945	755428	41.6625	-75.9078
6	SQ 80	414512075542801	USGS	6/8/1982	414156	755428	41.69889	-75.9078
7	SQ 81	414556075533901	USGS	6/8/1982	414204	755339	41.70111	-75.8942
8	SQ 90	414829075551701	USGS	6/8/1982	414414	755517	41.73722	-75.9214
9	SQ 92	414406075584701	USGS	6/8/1982	414310	755847	41.71944	-75.9797
10	SQ 93	414117075590301	USGS	6/8/1982	414117	755903	41.68806	-75.9842
11	SQ 99							
12	SQ 100	414328076044801	USGS	6/15/1982	414328	760448	41.72444	-76.08
13	SQ 102	414049075451601	USGS	6/1/1982	414049	754516	41.68028	-75.7544
14	SQ 105	414209075455601	USGS	6/1/1982	414209	754556	41.7025	-75.7656
15	SQ 111	414420075492201	USGS	6/2/1982	414420	754922	41.73889	-75.8228
16	SQ 113	414233075452201	USGS	6/3/1982	414233	754522	41.70917	-75.7561
17	SQ 120	414803075433801	USGS	6/14/1982	414803	754338	41.80083	-75.7272
18	SQ 123	414915075445501	USGS	6/14/1982	414915	754455	41.82083	-75.7486
19	SQ 125	414804075415301	USGS	6/14/1982	414804	754153	41.80111	-75.6981
20	SQ 126	414056075432801	USGS	6/7/1982	414056	754328	41.68222	-75.7244
21	SQ 133	414450075405901	USGS	6/7/1982	414450	754059	41.74722	-75.6831
22	SQ 135	413904075410901	USGS	6/8/1982	413904	754109	41.65111	-75.6858
23	SQ 137	414036075383301	USGS	6/8/1982	414036	753833	41.67667	-75.6425
24	SQ 142	414241075393401	USGS	6/9/1982	414241	753934	41.71139	-75.6594
25	SQ 148	414813075384101	USGS	6/15/1982	414813	753841	41.80361	-75.6447
26	SQ 150	414744075401001	USGS	6/15/1982	414744	754010	41.79556	-75.6694
27	SQ 151	414026076062201	USGS	6/15/1982	414026	760622	41.67389	-76.1061
28	SQ 152	413957076041001	USGS	6/15/1982	413957	760410	41.66583	-76.0694
29	SQ 166	414833075502501	USGS	6/21/1982	414833	755025	41.80917	-75.8403
30	SQ 167	414859075492101	USGS	6/21/1982	414859	754921	41.81639	-75.8225
31	SQ 168	415100075474101	USGS	6/22/1982	415100	754741	41.85	-75.7947
32	SQ 169	414847075473001	USGS	6/22/1982	414847	754730	41.81306	-75.7917
33	SQ 170	414542075463301	USGS	6/22/1982	414542	754633	41.76167	-75.7758
34	SQ 171	414518075473201	USGS	6/22/1982	414518	754732	41.755	-75.7922
35	SQ 172	414616075461701	USGS	6/22/1982	414616	754617	41.77111	-75.7714
36	SQ 177	414727075404901	USGS	6/15/1982	414727	754049	41.79083	-75.6803
37	SQ 178	415121075395001	USGS	6/15/1982	414846	753950	41.81278	-75.6639
38	SQ 179	414837075395201	USGS	6/15/1982	414837	753952	41.81028	-75.6644
39	SQ 181	414925075405201	USGS	6/15/1982	414925	754052	41.82361	-75.6811
40	SQ 183	415124075423101	USGS	6/16/1982	415124	754231	41.85667	-75.7086
41	SQ 186	415137075394601	USGS	6/16/1982	415137	753946	41.86028	-75.6628
42	SQ 187	415133075391701	USGS	6/16/1982	415133	753917	41.85917	-75.6547
43	SQ 190	415913075394301	USGS	6/21/1982	415913	753943	41.98694	-75.6619
44	SQ 193	415848075440801	USGS	6/21/1982	415848	754408	41.98	-75.7356

	A	B	C	D	E	F	G	H
45	SQ 195	415602075441301	USGS	6/22/1982	415602	754413	41.93389	-75.7369
46	SQ 231	413912075330301	USGS	6/22/1982	413912	753303	41.65333	-75.5508
47	SQ 233	413926075355201	USGS	6/22/1982	413926	753552	41.65722	-75.5978
48	SQ 234	414239075361601	USGS	6/23/1982	414239	753616	41.71083	-75.6044
49	SQ 236	414442075344501	USGS	6/23/1982	414442	753445	41.745	-75.5792
50	SQ 239	414404075311901	USGS	6/28/1982	414404	753119	41.73444	-75.5219
51	SQ 245	415135075324401	USGS	6/29/1982	415135	753244	41.85972	-75.5456
52	SQ 246	415100075311601	USGS	6/29/1982	415100	753116	41.85	-75.5211
53	SQ 247	415005075313701	USGS	6/29/1982	415005	753137	41.83472	-75.5269
54	SQ 248	415039075321601	USGS	6/29/1982	415039	753216	41.84417	-75.5378
55	SQ 249	415136075371801	USGS	6/30/1982	415136	753718	41.86	-75.6217
56	SQ 250	414847075361601	USGS	6/30/1982	414847	753616	41.81306	-75.6044
57	SQ 257	415231075413801	USGS	6/22/1982	415231	754138	41.87528	-75.6939
58	SQ 260	415941075435501	USGS	6/22/1982	415941	754355	41.99472	-75.7319
59	SQ 262	415918075450901	USGS	6/22/1982	415918	754509	41.98833	-75.7525
60	SQ 266	415403075485701	USGS	6/23/1982	415403	754857	41.90083	-75.8158
61	SQ 270	415610075494301	USGS	6/28/1982	415610	754943	41.93611	-75.8286
62	SQ 271	415623075353201	USGS	6/29/1982	415623	753532	41.93972	-75.5922
63	SQ 273	415920075360401	USGS	6/29/1982	415920	753604	41.98889	-75.6011
64	SQ 274	415734075324001	USGS	6/29/1982	415734	753240	41.95944	-75.5444
65	SQ 276	414920075572201	USGS	6/28/1982	414920	755722	41.82222	-75.9561
66	SQ 277	415035075571501	USGS	6/28/1982	415035	755715	41.84306	-75.9542
67	SQ 278	414700075583901	USGS	6/29/1982	414700	755839	41.78333	-75.9775
68	SQ 279	414526075573101	USGS	6/29/1982	414526	755731	41.75722	-75.9586
69	SQ 280	414536075571701	USGS	6/29/1982	414536	755717	41.76	-75.9547
70	SQ 281	414657075551001	USGS	6/29/1982	414657	755510	41.7825	-75.9194
71	SQ 302	414805075324401	USGS	6/30/1982	414805	753244	41.80139	-75.5456
72	SQ 327	415723075314301	USGS	6/29/1982	415723	753143	41.95639	-75.5286
73	SQ 333	415331075345301	USGS	6/30/1982	415331	753453	41.89194	-75.5814
74	SQ 338	415608075333201	USGS	6/30/1982	415608	753332	41.93556	-75.5589
75	SQ 344	415457075481401	USGS	7/5/1982	415457	754814	41.91583	-75.8039
76	SQ 346	415920075480201	USGS	7/5/1982	415920	754802	41.98889	-75.8006
77	SQ 367	414541076002101	USGS	7/6/1982	414541	760021	41.76139	-76.0058
78	SQ 368	415049076061601	USGS	7/6/1982	415049	760616	41.84694	-76.1044
79	SQ 369	414913076045001	USGS	7/6/1982	414913	760450	41.82028	-76.0806
80	SQ 370	415531076032301	USGS	7/7/1982	415531	760323	41.92528	-76.0564
81	SQ 371	415245076062601	USGS	7/7/1982	415245	760626	41.87917	-76.1072
82	SQ 372	415348076065501	USGS	7/7/1982	415348	760655	41.89667	-76.1153
83	SQ 376	415858075570601	USGS	7/6/1982	415858	755706	41.98278	-75.9517
84	SQ 379	415759075572101	USGS	7/6/1982	415759	755721	41.96639	-75.9558
85	SQ 381	415522075582501	USGS	7/6/1982	415522	755825	41.92278	-75.9736
86	SQ 384	415305075543301	USGS	7/7/1982	415305	755433	41.88472	-75.9092
87	SQ 385	415256075583701	USGS	7/7/1982	415256	755837	41.88222	-75.9769
88	SQ 393	415946076080501	USGS	7/12/1982	415946	760805	41.99611	-76.1347

	I	J	K	L	M	N	O	P
1	**CNTYC**	**BASINS**	**GEO1**	**GEOLITH**	**R00405**	**P00405**	**R00500**	**P00500**
2						CO2		
3	SUSQUEHANNA							
4	SUSQUEHANNA	7	redsed	7		16		
5	SUSQUEHANNA	7	redsed	7		3.7		
6	SUSQUEHANNA	7	redsed	7		10		
7	SUSQUEHANNA	7	redsed	7		13		
8	SUSQUEHANNA	6	redsed	7		2.1		
9	SUSQUEHANNA	7	redsed	7		10		
10	SUSQUEHANNA	7	redsed	7		8.3		
11								
12	SUSQUEHANNA	6	redsed	7		6.8		
13	SUSQUEHANNA	7	redsed	7		10		
14	SUSQUEHANNA	7	redsed	7				
15	SUSQUEHANNA	7	redsed	7				
16	SUSQUEHANNA	7	redsed	7				
17	SUSQUEHANNA	7	redsed	7				
18	SUSQUEHANNA	7	redsed	7				
19	SUSQUEHANNA	7	redsed	7				
20	SUSQUEHANNA	7	redsed	7				
21	SUSQUEHANNA	7	redsed	7				
22	SUSQUEHANNA	7	redsed	7				
23	SUSQUEHANNA	7	redsed	7				
24	SUSQUEHANNA	7	redsed	7				
25	SUSQUEHANNA	7	redsed	7				
26	SUSQUEHANNA	7	redsed	7				
27	SUSQUEHANNA	6	redsed	7		0.3		
28	SUSQUEHANNA	7	redsed	7		8.3		
29	SUSQUEHANNA	7	redsed	7		3.4		
30	SUSQUEHANNA	7	redsed	7		9.2		
31	SUSQUEHANNA	7	redsed	7		23		
32	SUSQUEHANNA	7	redsed	7		8.1		
33	SUSQUEHANNA	7	redsed	7		4.6		
34	SUSQUEHANNA	7	redsed	7		10		
35	SUSQUEHANNA	7	redsed	7		18		
36	SUSQUEHANNA	7	redsed	7				
37	SUSQUEHANNA	7	redsed	7				
38	SUSQUEHANNA	7	redsed	7				
39	SUSQUEHANNA	7	redsed	7				
40	SUSQUEHANNA	7	redsed	7				
41	SUSQUEHANNA	7	redsed	7				
42	SUSQUEHANNA	7	redsed	7				
43	SUSQUEHANNA	7	redsed	7				
44	SUSQUEHANNA	7	redsed	7				

	I	J	K	L	M	N	O	P
45	SUSQUEHANNA	7	shale	10				
46	SUSQUEHANNA	7	redsed	7		4.9		
47	SUSQUEHANNA	7	redsed	7		10		
48	SUSQUEHANNA	7	redsed	7		17		
49	SUSQUEHANNA	7	redsed	7		7		
50	SUSQUEHANNA	7	redsed	7		2.2		
51	SUSQUEHANNA	7	redsed	7		9.3		
52	SUSQUEHANNA	7	redsed	7		6.8		
53	SUSQUEHANNA	7	redsed	7		10		
54	SUSQUEHANNA	7	redsed	7		13		
55	SUSQUEHANNA	7	redsed	7		19		
56	SUSQUEHANNA	7	redsed	7		17		
57	SUSQUEHANNA	7	redsed	7				
58	SUSQUEHANNA	7	shale	10				
59	SUSQUEHANNA	7	shale	10				
60	SUSQUEHANNA	7	redsed	7				
61	SUSQUEHANNA	7	shale	10				
62	SUSQUEHANNA	7	redsed	7				
63	SUSQUEHANNA	7	shale	10				
64	SUSQUEHANNA	7	shale	10				
65	SUSQUEHANNA	6	redsed	7		8.5		
66	SUSQUEHANNA	6	redsed	7		3.1		
67	SUSQUEHANNA	6	redsed	7		5.3		
68	SUSQUEHANNA	6	redsed	7		10		
69	SUSQUEHANNA	6	redsed	7		8.5		
70	SUSQUEHANNA	6	redsed	7		9		
71	SUSQUEHANNA	7	redsed	7		14		
72	SUSQUEHANNA	7	redsed	7				
73	SUSQUEHANNA	7	redsed	7				
74	SUSQUEHANNA	7	redsed	7				
75	SUSQUEHANNA	7	redsed	7				
76	SUSQUEHANNA	7	shale	10				
77	SUSQUEHANNA	6	redsed	7		19		
78	SUSQUEHANNA	6	shale	10		9.8		
79	SUSQUEHANNA	6	redsed	7		8.5		
80	SUSQUEHANNA	6	shale	10		23		
81	SUSQUEHANNA	6	redsed	7		12		
82	SUSQUEHANNA	6	shale	10		49		
83	SUSQUEHANNA	7	redsed	7				
84	SUSQUEHANNA	7	redsed	7				
85	SUSQUEHANNA	7	shale	10				
86	SUSQUEHANNA	7	redsed	7				
87	SUSQUEHANNA	6	redsed	7				
88	SUSQUEHANNA	6	shale	10				

	Q	R	S	T	U	V	W	X	Y
1	**R00515**	**P00515**	**R00540**	**P00540**	**R00745**	**P00745**	**R00746**	**P00746**	**R00915**
2		Residue at 105 (TDS)							
3									
4		234							
5		172							
6		268							
7		236							
8		322							
9		198							
10		224							
11		158							
12		178							
13		166							
14		268							
15		158							
16		150							
17		182							
18		178							
19		94							
20		162							
21		146							
22		766							
23		180							
24		138							
25		176							
26		210							
27		278							
28		236							
29		158							
30		154							
31		196							
32		144							
33		136							
34		220							
35		110							
36		152							
37		186							
38		190							
39		200							
40		168							
41		158							
42		82							
43		222							
44		188							

	Q	R	S	T	U	V	W	X	Y
45		216							
46		178							
47		88							
48		72							
49		8							
50		88							
51		84							
52		54							
53		70							
54		10							
55		138							
56		148							
57		130							
58		448							
59		94							
60		92							
61		118							
62		120							
63		98							
64		176							
65		142							
66		206							
67		128							
68		122							
69		132							
70		122							
71		110							
72		406							
73		116							
74		164							
75		80							
76		392							
77		174							
78		138							
79		124							
80		250							
81		206							
82		240							
83		126							
84		70							
85		160							
86		146							
87		170							
88		156							

	Z	AA	AB	AC	AD	AE	AF	AG	AH
1	**P00915**	**R00916**	**P00916**	**R00925**	**P00925**	**R00927**	**P00927**	**R00929**	**P00929**
2	Ca-fil				Mg-fil				
3	61								
4	43				8.9				
5	27				4.5				
6	48				7.2				
7	37				8.6				
8	11				2.1				
9	33				8.5				
10	40				5.8				
11	31.9				5.7				
12	40				11				
13	36				4.2				
14	40				5.2				
15	28				4.9				
16	25				10				
17	28				4.9				
18	39				7				
19	19				2.3				
20	37				5.3				
21	30				6.2				
22	52				6.6				
23	36				5.9				
24	35				4.3				
25	30				7.6				
26	43				12				
27	7.3				1.1				
28	62				9.9				
29	20				7.1				
30	33				10				
31	26				6.6				
32	31				7.9				
33	38				4.8				
34	42				7.6				
35	25				3.6				
36	34				6.3				
37	35				5.8				
38	27				4.5				
39	33				9				
40	25				8				
41	26				8.2				
42	12				4.1				
43	26				9.9				
44	38				8				

	Z	AA	AB	AC	AD	AE	AF	AG	AH
45	27				7.3				
46	49				5				
47	28				2				
48	28				2.6				
49	20				1				
50	32				2.6				
51	16				2.4				
52	13				1.4				
53	26				1.7				
54	28				3.8				
55	37				9.2				
56	35				5.3				
57	20				6.7				
58	13				2.9				
59	21				1				
60	25				10				
61	16				5.9				
62	22				4.6				
63	12				6.9				
64	29				9.6				
65	27				9.4				
66	14				5.4				
67	27				9.4				
68	21				6.8				
69	24				7.5				
70	21				5.9				
71	31				2.9				
72	3.5				1.1				
73	20				2				
74	40				15				
75	13				4.5				
76	51				14				
77	34				7				
78	17				6.3				
79	28				9.5				
80	42				16				
81	39				16				
82	41				13				
83	18				7.8				
84	8				3.7				
85	26				8.9				
86	26				8.8				
87	37				15				
88	28				5				

	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
1	**R00930**	**P00930**	**R00935**	**P00935**	**R00937**	**P00937**	**R00940**	**P00940**	**R00945**
2		Na-fil		K-unf		K-unf		Cl-fil	
3								1	
4		24		0.5				2	
5		22		1				7	
6		17		1				2	
7		22		0.6				2	
8		82		0.9				50	
9		10		0.9				2	
10		19		2				2	
11		10.5		2.02				2	
12		10		2				3	
13		9.5		1				2	
14		11		0.9				31	
15		8		0.6				2	
16		5.6		0.8				1	
17		11		1				30	
18		6.2		2				10	
19		1.9		1				2	
20		7.3		0.8				4	
21		17		0.8				4	
22		150		4				320	
23		10		0.7				1	
24		9.6		0.9				2	
25		18		2				5	
26		11		2				3	
27		110		2				150	
28		12		2				12	
29		33		1				2	
30		9.8		1				2	
31		18		1				47	
32		6.2		1.1				4	
33		5.6		0.9				3	
34		14		0.7				5	
35		4.4		1				2	
36		16		3				2	
37		10		3.2				18	
38		5.4		2.4				8	
39		11		2				5	
40		10		2				1	
41		9.2		2				2	
42		2.5		2				4	
43		52		2				2	
44		12		2				1	

	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
45		59		2				6	
46		13		1				28	
47		4.8		0.6				6	
48		4.4		0.9				5	
49		2.2		0.8				2	
50		5.1		0.6				2	
51		3.2		0.7				4	
52		2.7		0.5				4	
53		2.4		0.4				2	
54		3.1		1				5	
55		5.9		1				11	
56		14		0.8				2	
57		22		1				2	
58		210		1				200	
59		8.5		0.6				5	
60		15		3				10	
61		16		1				10	
62		4.8		0.6				6	
63		4.9		0.7				5	
64		34		1				21	
65		14		1				3	
66		67		0.9				24	
67		13		1				2	
68		4.8		1				3	
69		15		1				2	
70		4.7		0.9				5	
71		7.6		1				3	
72		190		1				17	
73		3.6		0.6				4	
74		8.5		1				2	
75		8		0.6				1	
76		100		1				100	
77		7.6		0.9				8	
78		5.8		1				16	
79		11		1				2	
80		28		1				3	
81		12		1				1	
82		18		2				2	
83		6.5		0.8				4	
84		1.7		0.7				2	
85		4.8		0.9				3	
86		17		1				1	
87		13		1				1	
88		17		2				9	

	AR	AS	AT	AU	AV	AW	AX	AY	AZ
1	**P00945**	**R00946**	**P00946**	**R99890**	**P99890**	**R00950**	**P00950**	**R00951**	**P00951**
2	SO4-fil						F-fil		
3	24								
4	20						0.1		
5	10						0.1		
6	25						0.1		
7	10						0.1		
8	5						0.2		
9	10						0.1		
10	10						0.1		
11	15						0.12		
12	15						0.1		
13	5					<	0.1		
14	15					<	0.1		
15	10					<	0.1		
16	5						0.1		
17	10						0.1		
18	15						0.1		
19	15					<	0.1		
20	10						0.1		
21	10					<	0.1		
22	5						0.1		
23	10						0.2		
24	10						0.1		
25	20						0.1		
26	20						0.2		
27	15						0.7		
28	15						0.1		
29	5						0.3		
30	5						0.2		
31	5						0.2		
32	5						0.2		
33	5						0.2		
34	5						0.2		
35	5						0.1		
36	15						0.1		
37	15						0.1		
38	10					<	0.1		
39	10						0.1		
40	10						0.1		
41	15						0.1		
42	10						0.1		
43	10						0.3		
44	15						0.3		

	AR	AS	AT	AU	AV	AW	AX	AY	AZ
45	5						0.1		
46	10						0.2		
47	10						0.2		
48	10						0.2		
49	10						0.1		
50	7						0.1		
51	9					<	0.1		
52	8					<	0.1		
53	5					<	0.1		
54	7					<	0.1		
55	5						0.1		
56	5						0.1		
57	5						0.3		
58	5						0.4		
59	5						0.2		
60	200						0.2		
61	12						0.1		
62	13						0.2		
63	10								
64	7						0.9		
65	9						0.1		
66	2						0.3		
67	7						0.1		
68	9					<	0.1		
69	13						0.1		
70	11						0.1		
71	11						0.1		
72	7						1		
73	5						0.2		
74	19						0.1		
75	24						0.2		
76	24						0.2		
77	15						0.1		
78	15						0.1		
79	15						0.1		
80	20						0.1		
81	30						0.2		
82	30						0.1		
83	15						0.1		
84	15					<	0.1		
85	15						0.2		
86	15						0.1		
87	20						0.1		
88	10						0.2		

	BA	BB	BC	BD	BE	BF	BG	BH	BI
1	**R00955**	**P00955**	**R01020**	**P01020**	**R01022**	**P01022**	**R71870**	**P71870**	**R01045**
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

	BA	BB	BC	BD	BE	BF	BG	BH	BI
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									
64									
65									
66									
67									
68									
69									
70									
71									
72									
73									
74									
75									
76									
77									
78									
79									
80									
81									
82									
83									
84									
85									
86									
87									
88									

	BJ	BK	BL	BM	BN	BO	BP	BQ	BR
1	**P01045**	**R01046**	**P01046**	**R01055**	**P01055**	**R01056**	**P01056**	**R70300**	**P70300**
2	Fe-unf		Fe-fil		Mn-unf		Mn-fil		
3									
4			40				160		
5			580				340		
6			30				10		
7			300				560		
8			190				30		
9			160				100		
10			220				60		
11			90				10		
12			50				10		
13			30				20		
14			40				10		
15			530				20		
16			40				10		
17			1400				20		
18			30				10		
19			60				10		
20			10				10		
21			60				20		
22			40				110		
23			20				330		
24			10				10		
25			530				120		
26			140				250		
27			90				10		
28			80				20		
29			210				50		
30			30				30		
31			50				20		
32			50				10		
33			10			<	10		
34			110				10		
35			10				10		
36			30				10		
37			30				10		
38			40				20		
39			2280				30		
40			70				20		
41			50				10		
42			160				10		
43			570				80		
44			70				50		

	BJ	BK	BL	BM	BN	BO	BP	BQ	BR
45			340				60		
46			480				270		
47			60				10		
48			230				50		
49			40				20		
50			90				340		
51			40				30		
52			30				20		
53			100				40		
54			30				20		
55			2600				80		
56			500				340		
57			250				120		
58			70				30		
59			2000				240		
60			47500				4600		
61			540				50		
62			3700				140		
63			270				1100		
64			740				90		
65			70				50		
66			50				60		
67			100				20		
68			190				30		
69			90				90		
70			460				70		
71			50				10		
72			70				20		
73			200				120		
74			50				30		
75			650				20		
76			50				130		
77			70				50		
78			250				20		
79			70				10		
80			970				110		
81			30				130		
82			320				180		
83			20				10		
84			60				20		
85			40				20		
86			50				140		
87			90				40		
88			70				110		

	BS	BT	BU	BV
1	**R70301**	**P70301**	**MAJSMCL**	**MAJMCL**
2		Residue	USEPA SMCL	USEPA MCL
3				
4		203	1	0
5		145	1	0
6		204	0	0
7		183	1	0
8		236	0	0
9		149	1	0
10		182	1	0
11				
12		169	0	0
13		136	0	0
14		174	0	
15		127	1	0
16		108	0	0
17		123	1	0
18		144	0	0
19		70	0	
20		140	0	0
21		140	0	
22		596	1	0
23		148	1	0
24		137	0	0
25		156	1	0
26		183	1	0
27		407	0	0
28		221	0	0
29		153	0	0
30		135	0	0
31		149	0	0
32		124	0	0
33		118	0	0
34		155	0	0
35		79	0	0
36		155	0	0
37		144	0	0
38		121	0	
39		153	1	0
40		123	0	0
41		124	0	0
42		64	0	0
43		211	1	0
44		155	0	0

	BS	BT	BU	BV
45		233	1	0
46		168	1	0
47		86	0	0
48		91	0	0
49		61	0	0
50		104	1	0
51		68	0	
52		48	0	
53		71	0	
54		92	0	
55		134	1	0
56		129	1	0
57		124	1	0
58		535	1	0
59		48	1	0
60		393	1	0
61		113	1	0
62		104	1	0
63		77	1	
64		188	1	0
65		131	0	0
66		210	1	0
67		127	0	0
68		95	0	
69		129	1	0
70		97	1	0
71		112	0	0
72		419	0	0
73		70	1	0
74		176	0	0
75		88	1	0
76		423	1	0
77		139	0	0
78		90	0	0
79		135	0	0
80		226	1	0
81		190	1	0
82		203	1	0
83		94	0	0
84		49	0	
85		113	0	0
86		141	1	0
87		173	0	0
88		140	1	0

	A	B	C	D	E	F	G	H
1	**LOCAL**	**STAID**	**SOURCE**	**DATES**	**LAT**	**LONG**	**DLAT**	**DLONG**
2								
3	SQ 45	414148075550901	USGS		414148	0755509	41.69667	-75.9192
4	SQ 77	414308075551701	USGS	6/7/1982	414308	755517	41.71889	-75.9214
5	SQ 78	414127075542801	USGS	6/8/1982	413945	755428	41.6625	-75.9078
6	SQ 80	414512075542801	USGS	6/8/1982	414156	755428	41.69889	-75.9078
7	SQ 81	414556075533901	USGS	6/8/1982	414204	755339	41.70111	-75.8942
8	SQ 90	414829075551701	USGS	6/8/1982	414414	755517	41.73722	-75.9214
9	SQ 92	414406075584701	USGS	6/8/1982	414310	755847	41.71944	-75.9797
10	SQ 93	414117075590301	USGS	6/8/1982	414117	755903	41.68806	-75.9842
11								
12	SQ 100	414328076044801	USGS	6/15/1982	414328	760448	41.72444	-76.08
13	SQ 102	414049075451601	USGS	6/1/1982	414049	754516	41.68028	-75.7544
14	SQ 105	414209075455601	USGS	6/1/1982	414209	754556	41.7025	-75.7656
15	SQ 111	414420075492201	USGS	6/2/1982	414420	754922	41.73889	-75.8228
16	SQ 113	414233075452201	USGS	6/3/1982	414233	754522	41.70917	-75.7561
17	SQ 120	414803075433801	USGS	6/14/1982	414803	754338	41.80083	-75.7272
18	SQ 123	414915075445501	USGS	6/14/1982	414915	754455	41.82083	-75.7486
19	SQ 125	414804075415301	USGS	6/14/1982	414804	754153	41.80111	-75.6981
20	SQ 126	414056075432801	USGS	6/7/1982	414056	754328	41.68222	-75.7244
21	SQ 133	414450075405901	USGS	6/7/1982	414450	754059	41.74722	-75.6831
22	SQ 135	413904075410901	USGS	6/8/1982	413904	754109	41.65111	-75.6858
23	SQ 137	414036075383301	USGS	6/8/1982	414036	753833	41.67667	-75.6425
24	SQ 142	414241075393401	USGS	6/9/1982	414241	753934	41.71139	-75.6594
25	SQ 148	414813075384101	USGS	6/15/1982	414813	753841	41.80361	-75.6447
26	SQ 150	414744075401001	USGS	6/15/1982	414744	754010	41.79556	-75.6694
27	SQ 151	414026076062201	USGS	6/15/1982	414026	760622	41.67389	-76.1061

	A	B	C	D	E	F	G	H
28	SQ 152	413957076041001	USGS	6/15/1982	413957	760410	41.66583	-76.0694
29	SQ 166	414833075502501	USGS	6/21/1982	414833	755025	41.80917	-75.8403
30	SQ 167	414859074921001	USGS	6/21/1982	414859	754921	41.81639	-75.8225
31	SQ 168	415100074741001	USGS	6/22/1982	415100	754741	41.85	-75.7947
32	SQ 169	414847074730001	USGS	6/22/1982	414847	754730	41.81306	-75.7917
33	SQ 170	414542074633001	USGS	6/22/1982	414542	754633	41.76167	-75.7758
34	SQ 171	414518074732001	USGS	6/22/1982	414518	754732	41.755	-75.7922
35	SQ 172	414616074617001	USGS	6/22/1982	414616	754617	41.77111	-75.7714
36	SQ 177	414727074049001	USGS	6/15/1982	414727	754049	41.79083	-75.6803
37	SQ 178	414846075395001	USGS	6/15/1982	414846	753950	41.81278	-75.6639
38	SQ 179	414837075395201	USGS	6/15/1982	414837	753952	41.81028	-75.6644
39	SQ 181	414925075405201	USGS	6/15/1982	414925	754052	41.82361	-75.6811
40	SQ 183	415124075423101	USGS	6/16/1982	415124	754231	41.85667	-75.7086
41	SQ 186	415137075394601	USGS	6/16/1982	415137	753946	41.86028	-75.6628
42	SQ 187	415133075391701	USGS	6/16/1982	415133	753917	41.85917	-75.6547
43	SQ 190	415913075394301	USGS	6/21/1982	415913	753943	41.98694	-75.6619
44	SQ 193	415848075440801	USGS	6/21/1982	415848	754408	41.98	-75.7356
45	SQ 195	415602075441301	USGS	6/22/1982	415602	754413	41.93389	-75.7369
46	SQ 231	413912075330301	USGS	6/22/1982	413912	753303	41.65333	-75.5508
47	SQ 233	413926075355201	USGS	6/22/1982	413926	753552	41.65722	-75.5978
48	SQ 234	414239075361601	USGS	6/23/1982	414239	753616	41.71083	-75.6044
49	SQ 236	414442075344501	USGS	6/23/1982	414442	753445	41.745	-75.5792
50	SQ 239	414404075311901	USGS	6/28/1982	414404	753119	41.73444	-75.5219
51	SQ 245	415135075324401	USGS	6/29/1982	415135	753244	41.85972	-75.5456
52	SQ 246	415100075311601	USGS	6/29/1982	415100	753116	41.85	-75.5211
53	SQ 247	415005075313701	USGS	6/29/1982	415005	753137	41.83472	-75.5269

	A	B	C	D	E	F	G	H
54	SQ 248	415039075321601	USGS	6/29/1982	415039	753216	41.84417	-75.5378
55	SQ 249	415136075371801	USGS	6/30/1982	415136	753718	41.86	-75.6217
56	SQ 250	414847075361601	USGS	6/30/1982	414847	753616	41.81306	-75.6044
57	SQ 257	415231075413801	USGS	6/22/1982	415231	754138	41.87528	-75.6939
58	SQ 260	415941075435501	USGS	6/22/1982	415941	754355	41.99472	-75.7319
59	SQ 262	415918075450901	USGS	6/22/1982	415918	754509	41.98833	-75.7525
60	SQ 266	415403075485701	USGS	6/23/1982	415403	754857	41.90083	-75.8158
61	SQ 270	415610075494301	USGS	6/28/1982	415610	754943	41.93611	-75.8286
62	SQ 271	415623075353201	USGS	6/29/1982	415623	753532	41.93972	-75.5922
63	SQ 273	415920075360401	USGS	6/29/1982	415920	753604	41.98889	-75.6011
64	SQ 274	415734075324001	USGS	6/29/1982	415734	753240	41.95944	-75.5444
65	SQ 276	414920075572201	USGS	6/28/1982	414920	755722	41.82222	-75.9561
66	SQ 277	415035075571501	USGS	6/28/1982	415035	755715	41.84306	-75.9542
67	SQ 278	414700075583901	USGS	6/29/1982	414700	755839	41.78333	-75.9775
68	SQ 279	414526075573101	USGS	6/29/1982	414526	755731	41.75722	-75.9586
69	SQ 280	414536075571701	USGS	6/29/1982	414536	755717	41.76	-75.9547
70	SQ 281	414657075551001	USGS	6/29/1982	414657	755510	41.7825	-75.9194
71	SQ 302	414805075324401	USGS	6/30/1982	414805	753244	41.80139	-75.5456
72	SQ 327	415723075314301	USGS	6/29/1982	415723	753143	41.95639	-75.5286
73	SQ 333	415331075345301	USGS	6/30/1982	415331	753453	41.89194	-75.5814
74	SQ 338	415608075333201	USGS	6/30/1982	415608	753332	41.93556	-75.5589
75	SQ 344	415457075481401	USGS	7/5/1982	415457	754814	41.91583	-75.8039
76	SQ 346	415920075480201	USGS	7/5/1982	415920	754802	41.98889	-75.8006
77	SQ 367	414541076002101	USGS	7/6/1982	414541	760021	41.76139	-76.0058
78	SQ 368	415049076061601	USGS	7/6/1982	415049	760616	41.84694	-76.1044
79	SQ 369	414913076045001	USGS	7/6/1982	414913	760450	41.82028	-76.0806

	A	B	C	D	E	F	G	H
80	SQ 370	415531076032301	USGS	7/7/1982	415531	760323	41.92528	-76.0564
81	SQ 371	415245076062601	USGS	7/7/1982	415245	760626	41.87917	-76.1072
82	SQ 372	415348076065501	USGS	7/7/1982	415348	760655	41.89667	-76.1153
83	SQ 376	415858075570601	USGS	7/6/1982	415858	755706	41.98278	-75.9517
84	SQ 379	415759075572101	USGS	7/6/1982	415759	755721	41.96639	-75.9558
85	SQ 381	415522075582501	USGS	7/6/1982	415522	755825	41.92278	-75.9736
86	SQ 384	415305075543301	USGS	7/7/1982	415305	755433	41.88472	-75.9092
87	SQ 385	415256075583701	USGS	7/7/1982	415256	755837	41.88222	-75.9769
88	SQ 393	415946076080501	USGS	7/12/1982	415946	760805	41.99611	-76.1347
89	SQ 449	413942075470601	PADEP	4/7/2006	413942	754706	41.66167	-75.785
90	SQ 450	414807075385601	PADEP	5/6/2006	414807	753856	41.80194	-75.6489
91	SQ 451	414752075392101	PADEP	3/6/2006	414752	753921	41.79778	-75.6558
92	SQ 452	415720075372801	PADEP	4/6/2006	415720	753728	41.95556	-75.6244

	I	J	K	L	M	N	O	P
1	**CNTYC**	**BASINS**	**GEO1**	**R00720**	**P00720**	**R00723**	**P00723**	**R01000**
2								rAs
3	SUSQUEHANNA							
4	SUSQUEHANNA	7	redsed					<
5	SUSQUEHANNA	7	redsed					
6	SUSQUEHANNA	7	redsed					<
7	SUSQUEHANNA	7	redsed					<
8	SUSQUEHANNA	6	redsed					<
9	SUSQUEHANNA	7	redsed					<
10	SUSQUEHANNA	7	redsed					<
11								<
12	SUSQUEHANNA	6	redsed					<
13	SUSQUEHANNA	7	redsed					<
14	SUSQUEHANNA	7	redsed					<
15	SUSQUEHANNA	7	redsed					<
16	SUSQUEHANNA	7	redsed					<
17	SUSQUEHANNA	7	redsed					<
18	SUSQUEHANNA	7	redsed					<
19	SUSQUEHANNA	7	redsed					<
20	SUSQUEHANNA	7	redsed					<
21	SUSQUEHANNA	7	redsed					<
22	SUSQUEHANNA	7	redsed					<
23	SUSQUEHANNA	7	redsed					<
24	SUSQUEHANNA	7	redsed					<
25	SUSQUEHANNA	7	redsed					<
26	SUSQUEHANNA	7	redsed					<
27	SUSQUEHANNA	6	redsed					<

	I	J	K	L	M	N	O	P
28	SUSQUEHANNA	7	redsed					<
29	SUSQUEHANNA	7	redsed					<
30	SUSQUEHANNA	7	redsed					<
31	SUSQUEHANNA	7	redsed					<
32	SUSQUEHANNA	7	redsed					<
33	SUSQUEHANNA	7	redsed					<
34	SUSQUEHANNA	7	redsed					<
35	SUSQUEHANNA	7	redsed					<
36	SUSQUEHANNA	7	redsed					<
37	SUSQUEHANNA	7	redsed					<
38	SUSQUEHANNA	7	redsed					<
39	SUSQUEHANNA	7	redsed					<
40	SUSQUEHANNA	7	redsed					<
41	SUSQUEHANNA	7	redsed					<
42	SUSQUEHANNA	7	redsed					<
43	SUSQUEHANNA	7	redsed					<
44	SUSQUEHANNA	7	redsed					<
45	SUSQUEHANNA	7	shale					
46	SUSQUEHANNA	7	redsed					<
47	SUSQUEHANNA	7	redsed					<
48	SUSQUEHANNA	7	redsed					<
49	SUSQUEHANNA	7	redsed					<
50	SUSQUEHANNA	7	redsed					
51	SUSQUEHANNA	7	redsed					<
52	SUSQUEHANNA	7	redsed					<
53	SUSQUEHANNA	7	redsed					<

	I	J	K	L	M	N	O	P
54	SUSQUEHANNA	7	redsed					<
55	SUSQUEHANNA	7	redsed					<
56	SUSQUEHANNA	7	redsed					<
57	SUSQUEHANNA	7	redsed					<
58	SUSQUEHANNA	7	shale					<
59	SUSQUEHANNA	7	shale					<
60	SUSQUEHANNA	7	redsed					
61	SUSQUEHANNA	7	shale					<
62	SUSQUEHANNA	7	redsed					<
63	SUSQUEHANNA	7	shale					
64	SUSQUEHANNA	7	shale					
65	SUSQUEHANNA	6	redsed					<
66	SUSQUEHANNA	6	redsed					<
67	SUSQUEHANNA	6	redsed					<
68	SUSQUEHANNA	6	redsed					<
69	SUSQUEHANNA	6	redsed					<
70	SUSQUEHANNA	6	redsed					<
71	SUSQUEHANNA	7	redsed					<
72	SUSQUEHANNA	7	redsed					<
73	SUSQUEHANNA	7	redsed					<
74	SUSQUEHANNA	7	redsed					<
75	SUSQUEHANNA	7	redsed					<
76	SUSQUEHANNA	7	shale					
77	SUSQUEHANNA	6	redsed					<
78	SUSQUEHANNA	6	shale					<
79	SUSQUEHANNA	6	redsed					<

	I	J	K	L	M	N	O	P
80	SUSQUEHANNA	6	shale					<
81	SUSQUEHANNA	6	redsed					<
82	SUSQUEHANNA	6	shale					<
83	SUSQUEHANNA	7	redsed					<
84	SUSQUEHANNA	7	redsed					<
85	SUSQUEHANNA	7	shale					
86	SUSQUEHANNA	7	redsed					<
87	SUSQUEHANNA	6	redsed					<
88	SUSQUEHANNA	6	shale					
89	SUSQUEHANNA	7	redsed					
90	SUSQUEHANNA	7	redsed					
91	SUSQUEHANNA	7	redsed					
92	SUSQUEHANNA	7	redsed					

	Q	R	S	T	U	V	W	X	Y
1	**P01000**	**R01002**	**P01002**	**R01005**	**P01005**	**R01007**	**P01007**	**R01010**	**P01010**
2	As								
3									
4	5								
5	11								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								
13	5								
14	5								
15	5								
16	5								
17	5								
18	5								
19	5								
20	5								
21	5								
22	5								
23	5								
24	5								
25	5								
26	5								
27	5								

	Q	R	S	T	U	V	W	X	Y
28	5								
29	5								
30	5								
31	5								
32	5								
33	5								
34	5								
35	5								
36	5								
37	5								
38	5								
39	5								
40	5								
41	5								
42	5								
43	5								
44	5								
45									
46	5								
47	5								
48	5								
49	5								
50	12								
51	5								
52	5								
53	5								

	Q	R	S	T	U	V	W	X	Y
54	5								
55	5								
56	5								
57	5								
58	5								
59	5								
60	28								
61	5								
62	5								
63									
64									
65	5								
66	5								
67	5								
68	5								
69	5								
70	5								
71	5								
72	5								
73	5								
74	5								
75	5								
76									
77	5								
78	5								
79	5								

	Q	R	S	T	U	V	W	X	Y
80	5								
81	5								
82	5								
83	5								
84	5								
85									
86	5								
87	5								
88									
89		<	4						
90		<	4						
91		<	4						
92		<	4						

	Z	AA	AB	AC	AD	AE	AF	AG	AH
1	**R01020**	**P01020**	**R01022**	**P01022**	**R01025**	**P01025**	**R01027**	**P01027**	**R01030**
2						Cd-fil		Cd-unf	
3									
4					<	0.2			<
5					<	0.2			<
6						0.29			
7					<	0.2			<
8					<	0.2			
9					<	0.2			<
10					<	0.2			<
11						0.22			<
12					<	0.2			<
13					<	0.2			<
14						0.2			
15					<	0.2			
16					<	0.2			
17					<	0.2			
18					<	0.2			<
19					<	0.2			
20					<	0.2			<
21					<	0.2			<
22					<	0.2			
23					<	0.2			<
24					<	0.2			<
25					<	0.2			<
26						0.55			
27					<	0.2			<

	Z	AA	AB	AC	AD	AE	AF	AG	AH
28					<	0.2			
29					<	0.2			
30					<	0.2			
31					<	0.2			
32					<	0.2			
33					<	0.2			<
34					<	0.2			<
35					<	0.2			
36					<	0.2			<
37					<	0.2			<
38					<	0.2			<
39					<	0.2			<
40					<	0.2			
41					<	0.2			
42						1.7			<
43					<	0.2			<
44					<	0.2			
45									
46					<	0.2			<
47					<	0.2			<
48						0.2			
49					<	0.2			
50					<	0.2			<
51					<	0.2			
52					<	0.2			
53					<	0.2			

	Z	AA	AB	AC	AD	AE	AF	AG	AH
54						0.42			
55					<	0.2			
56					<	0.2			
57					<	0.2			
58					<	0.2			<
59									
60					<	0.2			<
61						1.54			
62					<	0.2			<
63									
64									
65						0.36			<
66					<	0.2			<
67					<	0.2			
68						0.93			
69					<	0.2			
70					<	0.2			<
71					<	0.2			
72					<	0.2			
73					<	0.2			<
74					<	0.2			<
75					<	0.2			<
76									
77					<	0.2			<
78					<	0.2			<
79					<	0.2			<

	Z	AA	AB	AC	AD	AE	AF	AG	AH
80					<	0.2			
81					<	0.2			<
82					<	0.2			<
83					<	0.2			<
84					<	0.2			<
85									
86					<	0.2			<
87					<	0.2			<
88									
89									
90									
91									
92									

	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
1	**P01030**	**R01032**	**P01032**	**R01034**	**P01034**	**R78247**	**P78247**	**R01035**	**P01035**
2	Cr-fil								
3									
4	10								
5	10								
6	10								
7	10								
8	10								
9	10								
10	10								
11	10								
12	10								
13	10								
14	10								
15	20								
16	10								
17	20								
18	10								
19	10								
20	10								
21	10								
22	10								
23	10								
24	10								
25	10								
26	10								
27	10								

	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
28	10								
29	10								
30	50								
31	20								
32	10								
33	10								
34	10								
35	10								
36	10								
37	10								
38	10								
39	10								
40	10								
41	10								
42	10								
43	10								
44	50								
45	10								
46	10								
47	10								
48	40								
49	20								
50	10								
51	10								
52	10								
53	30								

	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
54	10								
55	10								
56	10								
57	10								
58	10								
59	10								
60	10								
61	10								
62	10								
63									
64									
65	10								
66	10								
67	20								
68	20								
69	10								
70	10								
71	10								
72	10								
73	10								
74	10								
75	10								
76									
77	10								
78	10								
79	10								

	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
80	10								
81	10								
82	10								
83	10								
84	10								
85									
86	10								
87	10								
88	10								
89									
90									
91									
92									

	AR	AS	AT	AU	AV	AW	AX	AY	AZ
1	**R01037**	**P01037**	**R01040**	**P01040**	**R01042**	**P01042**	**R01049**	**P01049**	**R01051**
2								Pb-fil	
3									
4							<	5	
5							<	5	
6							<	5	
7								0.51	
8							<	5	
9							<	5	
10							<	5	
11								6.8	
12								6.5	
13							<	5	
14							<	5	
15								5	
16							<	5	
17							<	5	
18							<	5	
19							<	5	
20							<	5	
21							<	5	
22							<	5	
23							<	5	
24							<	5	
25							<	5	
26							<	5	
27							<	5	

	AR	AS	AT	AU	AV	AW	AX	AY	AZ
28								5.8	
29							<	5	
30							<	5	
31								8.4	
32							<	5	
33							<	5	
34							<	5	
35							<	5	
36							<	5	
37							<	5	
38								7.9	
39								5.7	
40							<	5	
41							<	22.2	
42							<	5	
43							<	5	
44							<	5	
45									
46									
47							<	5	
48							<	5	
49								14.6	
50							<	5	
51							<	5	
52							<	5	
53							<	5	

	AR	AS	AT	AU	AV	AW	AX	AY	AZ
54								6.1	
55								6.4	
56							<	5	
57							<	5	
58							<	5	
59									
60								97.5	
61								26.1	
62							<	5	
63									
64									
65							<	5	
66							<	5	
67							<	5	
68								5.2	
69							<	5	
70							<	5	
71								12.1	
72							<	5	
73							<	5	
74							<	5	
75							<	5	
76									
77							<	5	
78							<	5	
79							<	5	

	AR	AS	AT	AU	AV	AW	AX	AY	AZ
80							<	5	
81							<	5	
82							<	5	
83							<	5	
84							<	5	
85									
86								5	
87							<	5	
88									
89									
90									
91									
92									

	BA	BB	BC	BD	BE	BF	BG	BH	BI
1	**P01051**	**R01055**	**P01055**	**R01056**	**P01056**	**R01057**	**P01057**	**R01060**	**P01060**
2	Pb-unf		Mn-unf		Mn-fil				
3									
4					160				
5					340				
6					10				
7					560				
8					30				
9					10				
10					60				
11					10				
12					10				
13					20				
14					10				
15					20				
16					10				
17					20				
18					10				
19					10				
20					10				
21					20				
22					110				
23					330				
24					10				
25					120				
26					250				
27					10				

	BA	BB	BC	BD	BE	BF	BG	BH	BI
28					20				
29					50				
30					30				
31					20				
32					10				
33				<	10				
34					10				
35					10				
36					10				
37					10				
38					20				
39					30				
40					20				
41					10				
42					10				
43					80				
44					50				
45					60				
46					270				
47					10				
48					50				
49					20				
50					340				
51					30				
52					20				
53					40				

	BA	BB	BC	BD	BE	BF	BG	BH	BI
54					20				
55					80				
56					340				
57					120				
58					30				
59					240				
60					4640				
61					50				
62					140				
63					1100				
64					90				
65					50				
66					60				
67					20				
68					30				
69					90				
70					70				
71					10				
72					20				
73					120				
74					30				
75					20				
76					130				
77					50				
78					20				
79					10				

	BA	BB	BC	BD	BE	BF	BG	BH	BI
80					110				
81					130				
82					180				
83					10				
84					20				
85					20				
86					140				
87					40				
88									
89									
90									
91									
92									

	BJ	BK	BL	BM	BN	BO	BP	BQ	BR
1	**R01062**	**P01062**	**R01065**	**P01065**	**R01067**	**P01067**	**R01075**	**P01075**	**R01077**
2				Ni-fil		Ni-unf			
3									
4			<	10					
5			<	10					
6			<	10					
7			<	10					
8				20					
9				10					
10				30					
11				10					
12				10					
13			<	10					
14			<	10					
15			<	10					
16			<	10					
17			<	10					
18			<	10					
19				10					
20			<	10					
21			<	10					
22			<	10					
23				20					
24				20					
25				10					
26			<	10					
27			<	10					

	BJ	BK	BL	BM	BN	BO	BP	BQ	BR
28				30					
29			<	10					
30				40					
31				20					
32				10					
33			<	10					
34			<	10					
35			<	10					
36				20					
37				30					
38				10					
39				10					
40				20					
41			<	10					
42				10					
43			<	10					
44				50					
45									
46				20					
47				20					
48				40					
49				30					
50			<	10					
51				10					
52			<	10					
53				20					

	BJ	BK	BL	BM	BN	BO	BP	BQ	BR
54				10					
55			<	10					
56			<	10					
57				20					
58				10					
59									
60				40					
61				20					
62				10					
63									
64									
65				10					
66				10					
67				20					
68				20					
69				10					
70			<	10					
71			<	10					
72				10					
73				30					
74				10					
75			<	10					
76									
77				20					
78				20					
79				10					

	BJ	BK	BL	BM	BN	BO	BP	BQ	BR
80				140					
81				10					
82				20					
83			<	10					
84				10					
85									
86				10					
87				40					
88									
89									
90									
91									
92									

	BS	BT	BU	BV	BW	BX	BY	BZ	CA
1	**P01077**	**R01080**	**P01080**	**R01082**	**P01082**	**R01085**	**P01085**	**R01087**	**P01087**
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									

	BS	BT	BU	BV	BW	BX	BY	BZ	CA
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									

	BS	BT	BU	BV	BW	BX	BY	BZ	CA
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									
64									
65									
66									
67									
68									
69									
70									
71									
72									
73									
74									
75									
76									
77									
78									
79									

	BS	BT	BU	BV	BW	BX	BY	BZ	CA
80									
81									
82									
83									
84									
85									
86									
87									
88									
89									
90									
91									
92									

	CB	CC	CD	CE	CF	CG	CH	CI	CJ
1	**R01090**	**P01090**	**R01092**	**P01092**	**R01095**	**P01095**	**R01105**	**P01105**	**R01106**
2		Zn							
3									
4		50							
5		10							
6		1200							
7		20							
8		30							
9		40							
10		20							
11		190							
12		160							
13		50							
14		30							
15		20							
16		30							
17		60							
18		40							
19		30							
20		20							
21		20							
22		10							
23		20							
24	<	10							
25		20							
26		860							
27		160							

	CB	CC	CD	CE	CF	CG	CH	CI	CJ
28		40							
29		20							
30		100							
31		80							
32		20							<
33		30							
34		10							
35		70							
36		10							
37		10							
38		40							
39		240							
40		10							
41		40							
42		30							
43		30							
44		40							
45		30							
46		10							
47		20							
48		80							
49		30							
50		20							
51		20							
52		20							
53		40							

	CB	CC	CD	CE	CF	CG	CH	CI	CJ
54		10							
55		220							
56		10							
57		10							
58		10							
59		40							
60		4800							
61		5700							
62		230							
63		40							
64		20							
65		1100							
66		20							
67		30							
68		2600							
69		50							
70		90							
71		200							
72		100							
73		10							
74		50							
75		60							
76		60							
77		20							
78		40							
79		10							

	CB	CC	CD	CE	CF	CG	CH	CI	CJ
80		20							
81		10							
82		10							
83		20							
84		30							
85		30							
86		20							
87		220							
88		10							
89									
90									
91									
92									

	CK	CL	CM	CN	CO	CP	CQ	CR	CS
1	**P01106**	**LOCAL**	**R01130**	**P01130**	**R01132**	**P01132**	**R01145**	**P01145**	**R01147**
2	Al								
3		SQ 45							
4	1900	SQ 77							
5	220	SQ 78							
6	690	SQ 80							
7	180	SQ 81							
8	160	SQ 90							
9	6230	SQ 92							
10	940	SQ 93							
11	150	SQ 99							
12	60	SQ 100							
13	60	SQ 102							
14	400	SQ 105							
15	60	SQ 111							
16	40	SQ 113							
17	30	SQ 120							
18	40	SQ 123							
19	40	SQ 125							
20	90	SQ 126							
21	80	SQ 133							
22	80	SQ 135							
23	100	SQ 137							
24	2300	SQ 142							
25	60	SQ 148							
26	50	SQ 150							
27	110	SQ 151							

	CK	CL	CM	CN	CO	CP	CQ	CR	CS
28	60	SQ 152							
29	50	SQ 166							
30	30	SQ 167							
31	30	SQ 168							
32	10	SQ 169							
33	210	SQ 170							
34	50	SQ 171							
35	70	SQ 172							
36	80	SQ 177							
37	130	SQ 178							
38	60	SQ 179							
39	60	SQ 181							
40	80	SQ 183							
41	70	SQ 186							
42	320	SQ 187							
43	90	SQ 190							
44	110	SQ 193							
45	100	SQ 195							
46	100	SQ 231							
47	50	SQ 233							
48	180	SQ 234							
49	70	SQ 236							
50	30	SQ 239							
51	40	SQ 245							
52	80	SQ 246							
53	60	SQ 247							

	CK	CL	CM	CN	CO	CP	CQ	CR	CS
54	60	SQ 248							
55	220	SQ 249							
56	40	SQ 250							
57	270	SQ 257							
58	90	SQ 260							
59	70	SQ 262							
60	320	SQ 266							
61	110	SQ 270							
62	1800	SQ 271							
63	100	SQ 273							
64	160	SQ 274							
65	30	SQ 276							
66	50	SQ 277							
67	20	SQ 278							
68	50	SQ 279							
69	40	SQ 280							
70	80	SQ 281							
71	470	SQ 302							
72	100	SQ 327							
73	120	SQ 333							
74	60	SQ 338							
75	280	SQ 344							
76	270	SQ 346							
77	340	SQ 367							
78	400	SQ 368							
79	610	SQ 369							

	CK	CL	CM	CN	CO	CP	CQ	CR	CS
80	290	SQ 370							
81	160	SQ 371							
82	480	SQ 372							
83	350	SQ 376							
84	350	SQ 379							
85	350	SQ 381							
86	290	SQ 384							
87	360	SQ 385							
88	90	SQ 393							
89		SQ 449							
90		SQ 450							
91		SQ 451							
92		SQ 452							

	CT	CU	CV	CW	CX	CY	CZ	DA	DB
1	**P01147**	**P62452**	**R62453**	**P62453**	**R62454**	**P62454**	**R62455**	**P62455**	**R71890**
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									

	CT	CU	CV	CW	CX	CY	CZ	DA	DB
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									

	CT	CU	CV	CW	CX	CY	CZ	DA	DB
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									
64									
65									
66									
67									
68									
69									
70									
71									
72									
73									
74									
75									
76									
77									
78									
79									

	CT	CU	CV	CW	CX	CY	CZ	DA	DB
80									
81									
82									
83									
84									
85									
86									
87									
88									
89									
90									
91									
92									

	DC	DD	DE	DF	DG
1	**P71890**	**R71900**	**P71900**	**MINORSMCL**	**MINORMCL**
2				USEPA SMCL	USEPA MCL
3					
4				1	0
5				1	1
6				1	0
7				1	0
8				1	0
9				1	0
10				1	0
11					
12				1	0
13				1	0
14				1	0
15				1	0
16				0	0
17				0	0
18				0	0
19				0	0
20				1	0
21				1	0
22				1	0
23				1	0
24				1	0
25				1	0
26				0	0
27				1	0

	DC	DD	DE	DF	DG
28				1	0
29				0	0
30				0	0
31				0	0
32				0	0
33				1	0
34				0	0
35				1	0
36				1	0
37				1	0
38				1	0
39				1	0
40				1	0
41				1	0
42				1	0
43				1	0
44				1	0
45				1	0
46				1	0
47				0	0
48				1	0
49				1	0
50				0	1
51				0	0
52				1	0
53				1	0

	DC	DD	DE	DF	DG
54				1	0
55				1	0
56				0	0
57				1	0
58				1	0
59				1	0
60				1	1
61				1	0
62				1	0
63				1	0
64				1	0
65				0	0
66				0	0
67				0	0
68				0	0
69				0	0
70				1	0
71				1	0
72				1	0
73				1	0
74				1	0
75				1	0
76				1	0
77				1	0
78				1	0
79				1	0

	DC	DD	DE	DF	DG
80				1	0
81				1	0
82				1	0
83				1	0
84				1	0
85				1	0
86				1	0
87				1	0
88				1	0
89				0	0
90				0	0
91				0	0
92				0	0

	A	B	C	D	E	F	G	H	I
1	**LOCAL**	**STAID**	**SOURCE**	**DATES**	**LAT**	**LONG**	**DLAT**	**DLONG**	**CNTYC**
2									
3	SQ 45	414148075550901	USGS	7.14.1930	414148	0755509	41.69667	-75.9192	SUSQUEHANNA
4	SQ 77	414308075551701	USGS	6/7/1982	414308	755517	41.71889	-75.9214	SUSQUEHANNA
5	SQ 78	414127075542801	USGS	6/8/1982	413945	755428	41.6625	-75.9078	SUSQUEHANNA
6	SQ 80	414512075542801	USGS	6/8/1982	414156	755428	41.69889	-75.9078	SUSQUEHANNA
7	SQ 81	414556075533901	USGS	6/8/1982	414204	755339	41.70111	-75.8942	SUSQUEHANNA
8	SQ 90	414829075551701	USGS	6/8/1982	414414	755517	41.73722	-75.9214	SUSQUEHANNA
9	SQ 92	414406075584701	USGS	6/8/1982	414310	755847	41.71944	-75.9797	SUSQUEHANNA
10	SQ 93	414117075590301	USGS	6/8/1982	414117	755903	41.68806	-75.9842	SUSQUEHANNA
11	SQ 102	414049075451601	USGS	6/1/1982	414049	754516	41.68028	-75.7544	SUSQUEHANNA
12	SQ 105	414209075455601	USGS	6/1/1982	414209	754556	41.7025	-75.7656	SUSQUEHANNA
13	SQ 111	414420075492201	USGS	6/2/1982	414420	754922	41.73889	-75.8228	SUSQUEHANNA
14	SQ 113	414233075452201	USGS	6/3/1982	414233	754522	41.70917	-75.7561	SUSQUEHANNA
15	SQ 120	414803075433801	USGS	6/14/1982	414803	754338	41.80083	-75.7272	SUSQUEHANNA
16	SQ 123	414915075445501	USGS	6/14/1982	414915	754455	41.82083	-75.7486	SUSQUEHANNA
17	SQ 125	414804075415301	USGS	6/14/1982	414804	754153	41.80111	-75.6981	SUSQUEHANNA
18	SQ 126	414056075432801	USGS	6/7/1982	414056	754328	41.68222	-75.7244	SUSQUEHANNA
19	SQ 133	414450075405901	USGS	6/7/1982	414450	754059	41.74722	-75.6831	SUSQUEHANNA
20	SQ 135	413904075410901	USGS	6/8/1982	413904	754109	41.65111	-75.6858	SUSQUEHANNA
21	SQ 137	414036075383301	USGS	6/8/1982	414036	753833	41.67667	-75.6425	SUSQUEHANNA
22	SQ 142	414241075393401	USGS	6/9/1982	414241	753934	41.71139	-75.6594	SUSQUEHANNA
23	SQ 148	414813075384101	USGS	6/15/1982	414813	753841	41.80361	-75.6447	SUSQUEHANNA
24	SQ 150	414744075401001	USGS	6/15/1982	414744	754010	41.79556	-75.6694	SUSQUEHANNA
25	SQ 151	414026076062201	USGS	6/15/1982	414026	760622	41.67389	-76.1061	SUSQUEHANNA
26	SQ 152	413957076041001	USGS	6/15/1982	413957	760410	41.66583	-76.0694	SUSQUEHANNA

	A	B	C	D	E	F	G	H	I
27	SQ 166	414833075502501	USGS	6/21/1982	414833	755025	41.80917	-75.8403	SUSQUEHANNA
28	SQ 167	414859075492101	USGS	6/21/1982	414859	754921	41.81639	-75.8225	SUSQUEHANNA
29	SQ 168	415100075474101	USGS	6/22/1982	415100	754741	41.85	-75.7947	SUSQUEHANNA
30	SQ 169	414847075473001	USGS	6/22/1982	414847	754730	41.81306	-75.7917	SUSQUEHANNA
31	SQ 170	414542075463301	USGS	6/22/1982	414542	754633	41.76167	-75.7758	SUSQUEHANNA
32	SQ 171	414518075473201	USGS	6/22/1982	414518	754732	41.755	-75.7922	SUSQUEHANNA
33	SQ 172	414616075461701	USGS	6/22/1982	414616	754617	41.77111	-75.7714	SUSQUEHANNA
34	SQ 177	414727075404901	USGS	6/15/1982	414727	754049	41.79083	-75.6803	SUSQUEHANNA
35	SQ 178	414846075395001	USGS	6/15/1982	414846	753950	41.81278	-75.6639	SUSQUEHANNA
36	SQ 179	414837075395201	USGS	6/15/1982	414837	753952	41.81028	-75.6644	SUSQUEHANNA
37	SQ 181	414925075405201	USGS	6/15/1982	414925	754052	41.82361	-75.6811	SUSQUEHANNA
38	SQ 183	415124075423101	USGS	6/16/1982	415124	754231	41.85667	-75.7086	SUSQUEHANNA
39	SQ 186	415137075394601	USGS	6/16/1982	415137	753946	41.86028	-75.6628	SUSQUEHANNA
40	SQ 187	415133075391701	USGS	6/16/1982	415133	753917	41.85917	-75.6547	SUSQUEHANNA
41	SQ 190	415913075394301	USGS	6/21/1982	415913	753943	41.98694	-75.6619	SUSQUEHANNA
42	SQ 193	415848075440801	USGS	6/21/1982	415848	754408	41.98	-75.7356	SUSQUEHANNA
43	SQ 195	415602075441301	USGS	6/22/1982	415602	754413	41.93389	-75.7369	SUSQUEHANNA
44	SQ 231	413912075330301	USGS	6/22/1982	413912	753303	41.65333	-75.5508	SUSQUEHANNA
45	SQ 233	413926075355201	USGS	6/22/1982	413926	753552	41.65722	-75.5978	SUSQUEHANNA
46	SQ 234	414239075361601	USGS	6/23/1982	414239	753616	41.71083	-75.6044	SUSQUEHANNA
47	SQ 236	414442075344501	USGS	6/23/1982	414442	753445	41.745	-75.5792	SUSQUEHANNA
48	SQ 239	414404075311901	USGS	6/28/1982	414404	753119	41.73444	-75.5219	SUSQUEHANNA
49	SQ 245	415135075324401	USGS	6/29/1982	415135	753244	41.85972	-75.5456	SUSQUEHANNA
50	SQ 246	415100075311601	USGS	6/29/1982	415100	753116	41.85	-75.5211	SUSQUEHANNA
51	SQ 247	415005075313701	USGS	6/29/1982	415005	753137	41.83472	-75.5269	SUSQUEHANNA
52	SQ 248	415039075321601	USGS	6/29/1982	415039	753216	41.84417	-75.5378	SUSQUEHANNA

	A	B	C	D	E	F	G	H	I
53	SQ 249	415136075371801	USGS	6/30/1982	415136	753718	41.86	-75.6217	SUSQUEHANNA
54	SQ 250	414847075361601	USGS	6/30/1982	414847	753616	41.81306	-75.6044	SUSQUEHANNA
55	SQ 257	415231075413801	USGS	6/22/1982	415231	754138	41.87528	-75.6939	SUSQUEHANNA
56	SQ 260	415941075435501	USGS	6/22/1982	415941	754355	41.99472	-75.7319	SUSQUEHANNA
57	SQ 262	415918075450901	USGS	6/22/1982	415918	754509	41.98833	-75.7525	SUSQUEHANNA
58	SQ 266	415403075485701	USGS	6/23/1982	415403	754857	41.90083	-75.8158	SUSQUEHANNA
59	SQ 270	415610075494301	USGS	6/28/1982	415610	754943	41.93611	-75.8286	SUSQUEHANNA
60	SQ 271	415623075353201	USGS	6/29/1982	415623	753532	41.93972	-75.5922	SUSQUEHANNA
61	SQ 273	415920075360401	USGS	6/29/1982	415920	753604	41.98889	-75.6011	SUSQUEHANNA
62	SQ 274	415734075324001	USGS	6/29/1982	415734	753240	41.95944	-75.5444	SUSQUEHANNA
63	SQ 276	414920075572201	USGS	6/28/1982	414920	755722	41.82222	-75.9561	SUSQUEHANNA
64	SQ 277	415035075571501	USGS	6/28/1982	415035	755715	41.84306	-75.9542	SUSQUEHANNA
65	SQ 278	414700075583901	USGS	6/29/1982	414700	755839	41.78333	-75.9775	SUSQUEHANNA
66	SQ 279	414526075573101	USGS	6/29/1982	414526	755731	41.75722	-75.9586	SUSQUEHANNA
67	SQ 280	414536075571701	USGS	6/29/1982	414536	755717	41.76	-75.9547	SUSQUEHANNA
68	SQ 281	414657075551001	USGS	6/29/1982	414657	755510	41.7825	-75.9194	SUSQUEHANNA
69	SQ 302	414805075324401	USGS	6/30/1982	414805	753244	41.80139	-75.5456	SUSQUEHANNA
70	SQ 327	415723075314301	USGS	6/29/1982	415723	753143	41.95639	-75.5286	SUSQUEHANNA
71	SQ 333	415331075345301	USGS	6/30/1982	415331	753453	41.89194	-75.5814	SUSQUEHANNA
72	SQ 338	415608075333201	USGS	6/30/1982	415608	753332	41.93556	-75.5589	SUSQUEHANNA
73	SQ 344	415457075481401	USGS	7/5/1982	415457	754814	41.91583	-75.8039	SUSQUEHANNA
74	SQ 346	415920075480201	USGS	7/5/1982	415920	754802	41.98889	-75.8006	SUSQUEHANNA
75	SQ 367	414541076002101	USGS	7/6/1982	414541	760021	41.76139	-76.0058	SUSQUEHANNA
76	SQ 368	415049076061601	USGS	7/6/1982	415049	760616	41.84694	-76.1044	SUSQUEHANNA
77	SQ 369	414913076045001	USGS	7/6/1982	414913	760450	41.82028	-76.0806	SUSQUEHANNA
78	SQ 370	415531076032301	USGS	7/7/1982	415531	760323	41.92528	-76.0564	SUSQUEHANNA

	A	B	C	D	E	F	G	H	I
79	SQ 371	415245076062601	USGS	7/7/1982	415245	760626	41.87917	-76.1072	SUSQUEHANNA
80	SQ 372	415348076065501	USGS	7/7/1982	415348	760655	41.89667	-76.1153	SUSQUEHANNA
81	SQ 376	415858075570601	USGS	7/6/1982	415858	755706	41.98278	-75.9517	SUSQUEHANNA
82	SQ 379	415759075572101	USGS	7/6/1982	415759	755721	41.96639	-75.9558	SUSQUEHANNA
83	SQ 381	415522075582501	USGS	7/6/1982	415522	755825	41.92278	-75.9736	SUSQUEHANNA
84	SQ 384	415305075543301	USGS	7/7/1982	415305	755433	41.88472	-75.9092	SUSQUEHANNA
85	SQ 385	415256075583701	USGS	7/7/1982	415256	755837	41.88222	-75.9769	SUSQUEHANNA
86	SQ 393	415946076080501	USGS	7/12/1982	415946	760805	41.99611	-76.1347	SUSQUEHANNA

	J	K	L	M	N	O	P	Q	R
1	**BASINS**	**GEO1**	**R00600**	**P00600**	**R00602**	**P00602**	**R00605**	**P00605**	**R00607**
2									
3									
4	7	redsed							
5	7	redsed							
6	7	redsed							
7	7	redsed							
8	6	redsed							
9	7	redsed							
10	7	redsed							
11	7	redsed							
12	7	redsed							
13	7	redsed							
14	7	redsed							
15	7	redsed							
16	7	redsed							
17	7	redsed							
18	7	redsed							
19	7	redsed							
20	7	redsed							
21	7	redsed							
22	7	redsed							
23	7	redsed							
24	7	redsed							
25	6	redsed							
26	7	redsed							

	J	K	L	M	N	O	P	Q	R
27	7	redsed							
28	7	redsed							
29	7	redsed							
30	7	redsed							
31	7	redsed							
32	7	redsed							
33	7	redsed							
34	7	redsed							
35	7	redsed							
36	7	redsed							
37	7	redsed							
38	7	redsed							
39	7	redsed							
40	7	redsed							
41	7	redsed							
42	7	redsed							
43	7	shale							
44	7	redsed							
45	7	redsed							
46	7	redsed							
47	7	redsed							
48	7	redsed							
49	7	redsed							
50	7	redsed							
51	7	redsed							
52	7	redsed							

	J	K	L	M	N	O	P	Q	R
53	7	redsed							
54	7	redsed							
55	7	redsed							
56	7	shale							
57	7	shale							
58	7	redsed							
59	7	shale							
60	7	redsed							
61	7	shale							
62	7	shale							
63	6	redsed							
64	6	redsed							
65	6	redsed							
66	6	redsed							
67	6	redsed							
68	6	redsed							
69	7	redsed							
70	7	redsed							
71	7	redsed							
72	7	redsed							
73	7	redsed							
74	7	shale							
75	6	redsed							
76	6	shale							
77	6	redsed							
78	6	shale							

	J	K	L	M	N	O	P	Q	R
79	6	redsed							
80	6	shale							
81	7	redsed							
82	7	redsed							
83	7	shale							
84	7	redsed							
85	6	redsed							
86	6	shale							

	S	T	U	V	W	X	Y	Z	AA
1	**P00607**	**R00608**	**P00608**	**R00610**	**P00610**	**R00613**	**P00613**	**R00615**	**P00615**
2			NH3 (as N)				NO2 (as N)		
3									
4			0.01			<	0.01		
5			0.1			<	0.01		
6			0.01			<	0.01		
7			0.03			<	0.01		
8			0.03			<	0.01		
9			0.01			<	0.01		
10			0.01			<	0.01		
11			0.01			<	0.01		
12			0.01			<	0.01		
13			0.01			<	0.01		
14			0.01			<	0.01		
15			0.01			<	0.01		
16			0.01			<	0.01		
17			0.01			<	0.01		
18			0.01			<	0.01		
19			0.02			<	0.01		
20			0.27			<	0.01		
21			0.13			<	0.01		
22			0.01			<	0.01		
23			0.05			<	0.01		
24			0.03			<	0.01		
25			0.05				0.01		
26			0.01			<	0.01		

	S	T	U	V	W	X	Y	Z	AA
27			0.03			<	0.01		
28						<	0.01		
29						<	0.01		
30									
31									
32			0.04			<	0.01		
33									
34			0.01			<	0.01		
35			0.01			<	0.01		
36			0.01			<	0.01		
37			0.01			<	0.01		
38			0.01			<	0.01		
39			0.01			<	0.01		
40			0.01			<	0.01		
41			0.13			<	0.01		
42			0.02			<	1.01		
43			0.34			<	2.01		
44			0.02			<	3.01		
45			0.01			<	0.01		
46		<	0.01			<	0.01		
47		<	0.01			<	0.01		
48			0.15			<	0.01		
49			0.01			<	0.01		
50			0.01			<	0.01		
51			0.01			<	0.01		
52			0.02			<	0.01		

	S	T	U	V	W	X	Y	Z	AA
53			0.11				0.01		
54			0.07			<	0.01		
55			0.08			<	0.01		
56			0.31			<	0.01		
57						<	0.01		
58			0.22			<	1.01		
59			0.01			<	0.01		
60			0.07			<	0.01		
61			0.02			<	0.01		
62			0.15			<	0.01		
63			0.01			<	0.01		
64			0.07			<	0.01		
65			0.01			<	0.01		
66			0.01			<	0.01		
67			0.01				0.01		
68			0.01			<	0.01		
69			0.02			<	0.01		
70			0.26			<	0.01		
71			0.01			<	0.01		
72			0.01			<	0.01		
73			0.03			<	0.01		
74			0.27						
75			0.01			<	0.01		
76			0.01			<	0.01		
77						<	0.01		
78			0.14			<	0.01		

	S	T	U	V	W	X	Y	Z	AA
79			0.01			<	0.01		
80			0.15			<	0.01		
81			0.02			<	0.01		
82			0.01			<	0.01		
83			0.01			<	0.01		
84			0.02			<	0.01		
85			0.01			<	0.01		
86			0.01				0.01		

	AB	AC	AD	AE	AF	AG	AH	AI	AJ
1	**R00618**	**P00618**	**R00620**	**P00620**	**R00623**	**P00623**	**R00625**	**P00625**	**R00630**
2		NO3 (as N)							
3		4.3							
4		0.04							
5		0.02							
6		0.04							
7		0.02							
8		0.02							
9		0.02							
10		0.02							
11		0.02							
12		1							
13		0.12							
14		0.14							
15		1.2							
16		1.4							
17		0.74							
18		0.68							
19		0.06							
20		0.02							
21		0.02							
22		0.16							
23		0.04							
24		0.06							
25		0.01							
26		1.3							

	AB	AC	AD	AE	AF	AG	AH	AI	AJ
27		0.02							
28		0.32							
29		5.1							
30		4							
31		0.92							
32		0.5							
33		0.56							
34		0.06							
35		1.4							
36		5.9							
37		0.52							
38		0.1							
39		0.52							
40		1.3							
41		0.02							
42		0.04							
43		0.02							
44		0.24							
45		0.66							
46		1.3							
47		0.76							
48		0.02							
49		0.74							
50		1.2							
51		0.4							
52		0.62							

	AB	AC	AD	AE	AF	AG	AH	AI	AJ
53		0.33							
54		0.02							
55	<	0.02							
56		0.02							
57		0.02							
58		0.06							
59		1.1							
60		0.02							
61		0.02							
62		0.02							
63		0.01							
64		0.02							
65		0.24							
66		1.6							
67		0.13							
68		0.68							
69		0.4							
70		0.02							
71		1							
72		0.02							
73		0.4							
74		0.04							
75		1.9							
76		2							
77		0.4							
78		0.02							

	AB	AC	AD	AE	AF	AG	AH	AI	AJ
79		0.02							
80	<	0.02							
81		0.46							
82		0.98							
83		1.2							
84		0.02							
85		0.16							
86		0.65							

	AK	AL	AM	AN	AO	AP	AQ	AR	AS
1	**P00630**	**R00631**	**P00631**	**R00650**	**P00650**	**R00660**	**P00660**	**R00665**	**P00665**
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									

	AK	AL	AM	AN	AO	AP	AQ	AR	AS
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									

	AK	AL	AM	AN	AO	AP	AQ	AR	AS
53									
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									
64									
65									
66									
67									
68									
69									
70									
71									
72									
73									
74									
75									
76									
77									
78									

	AK	AL	AM	AN	AO	AP	AQ	AR	AS
79									
80									
81									
82									
83									
84									
85									
86									

	AT	AU	AV	AW	AX	AY	AZ	BA	BB
1	**R00666**	**P00666**	**R00671**	**P00671**	**R00680**	**P00680**	**LOCAL**	**R00681**	**P00681**
2						Org C-unf			
3							SQ 45		
4					<	1	SQ 77		
5						1.2	SQ 78		
6						8.5	SQ 80		
7					<	1	SQ 81		
8						2.7	SQ 90		
9					<	1	SQ 92		
10						1.4	SQ 93		
11						1	SQ 102		
12						1.3	SQ 105		
13					<	1	SQ 111		
14					<	1	SQ 113		
15					<	1	SQ 120		
16					<	1	SQ 123		
17					<	1	SQ 125		
18						7	SQ 126		
19						8.6	SQ 133		
20						1	SQ 135		
21					<	1	SQ 137		
22						1.4	SQ 142		
23					<	1	SQ 148		
24					<	1	SQ 150		
25					<	1	SQ 151		
26					<	1	SQ 152		

	AT	AU	AV	AW	AX	AY	AZ	BA	BB
27					<	1	SQ 166		
28					<	1	SQ 167		
29					<	1	SQ 168		
30					<	1	SQ 169		
31					<	1	SQ 170		
32					<	1	SQ 171		
33					<	1	SQ 172		
34					<	1	SQ 177		
35						1	SQ 178		
36						1.3	SQ 179		
37					<	1	SQ 181		
38					<	1	SQ 183		
39					<	1	SQ 186		
40					<	1	SQ 187		
41					<	1	SQ 190		
42					<	1	SQ 193		
43							SQ 195		
44					<	1	SQ 231		
45					<	1	SQ 233		
46					<	1	SQ 234		
47					<	1	SQ 236		
48					<	1	SQ 239		
49					<	1	SQ 245		
50					<	1	SQ 246		
51					<	1	SQ 247		
52					<	1	SQ 248		

	AT	AU	AV	AW	AX	AY	AZ	BA	BB
53						1.1	SQ 249		
54						1.1	SQ 250		
55					<	1	SQ 257		
56					<	1	SQ 260		
57							SQ 262		
58					<	1	SQ 266		
59					<	1	SQ 270		
60					<	1	SQ 271		
61							SQ 273		
62							SQ 274		
63					<	1	SQ 276		
64					<	1	SQ 277		
65					<	1	SQ 278		
66					<	1	SQ 279		
67					<	1	SQ 280		
68							SQ 281		
69						1	SQ 302		
70					<	1	SQ 327		
71					<	1	SQ 333		
72					<	1	SQ 338		
73					<	1	SQ 344		
74							SQ 346		
75					<	1	SQ 367		
76					<	1	SQ 368		
77					<	1	SQ 369		
78					<	1	SQ 370		

	AT	AU	AV	AW	AX	AY	AZ	BA	BB
79					<	1	SQ 371		
80					<	1	SQ 372		
81					<	1	SQ 376		
82					<	1	SQ 379		
83						1	SQ 381		
84					<	1	SQ 384		
85					<	1	SQ 385		
86					<	1	SQ 393		

	BC	BD	BE	BF	BG	BH	BI	BJ	BK
1	**P62854**	**R70507**	**P70507**	**R71845**	**P71845**	**R71846**	**P71846**	**R71851**	**P71851**
2							NH4		NO3
3									
4							0.01		0.2
5							0.13		0.1
6							0.01		0.2
7							0.04		0.1
8							0.04		0.1
9							0.01		0.1
10							0.01		0.1
11							0.01		0.1
12							0.01		4.4
13							0.01		0.5
14							0.01		0.6
15							0.01		5.3
16							0.01		6.2
17							0.01		3.3
18							0.01		3
19							0.03		0.3
20							0.35		0.1
21							0.17		0.1
22							0.01		0.7
23							0.06		0.2
24							0.04		0.3
25							0.06		0
26							0.01		5.8

	BC	BD	BE	BF	BG	BH	BI	BJ	BK
27							0.04		0.1
28									1.4
29									23
30									18
31									4.1
32							0.05		2.2
33									2.5
34							0.01		0.3
35							0.01		6.2
36							0.01		26
37							0.01		2.3
38							0.01		0.4
39							0.01		2.3
40							0.01		5.8
41							0.17		0.1
42							0.03		0.2
43							0.44		0.1
44							0.03		1.1
45									2.9
46									5.8
47									3.4
48							0.19		0.1
49							0.01		3.3
50							0.01		5.3
51							0.01		1.8
52							0.03		2.7

	BC	BD	BE	BF	BG	BH	BI	BJ	BK
53							0.14		1.5
54							0.09		0.1
55							0.1		
56							0.4		0.1
57									0.1
58							0.28		0.3
59							0.01		4.9
60							0.09		0.1
61							0.03		0.1
62							0.19		0.1
63							0.01		0
64							0.09		0.1
65							0.01		1.1
66							0.01		7.1
67							0.01		0.6
68							0.01		3
69							0.03		1.8
70							0.33		0.1
71							0.01		4.4
72							0.01		0.1
73							0.04		1.8
74							0.35		0.2
75							0.01		8.4
76							0.01		8.9
77									1.8
78							0.18		

	BC	BD	BE	BF	BG	BH	BI	BJ	BK
79							0.01		
80							0.19		
81							0.03		2
82							0.01		4.3
83							0.01		5.3
84							0.03		0.1
85							0.01		0.7
86							0.01		2.9

	BL	BM	BN	BO	BP
1	**R71856**	**P71856**	**R71887**	**P71887**	**NUTMCL**
2		NO2			USEPA MCL
3					
4					0
5					0
6					0
7					0
8					0
9					0
10					0
11					0
12					0
13					0
14					0
15					0
16					0
17					0
18					0
19					0
20					0
21					0
22					0
23					0
24					0
25		0.03			0
26					0

	BL	BM	BN	BO	BP
27					0
28					0
29					0
30					0
31					0
32					0
33					0
34					0
35					0
36					0
37					0
38					0
39					0
40					0
41					0
42					0
43					0
44					0
45					0
46					0
47					0
48					0
49					0
50					0
51					0
52					0

	BL	BM	BN	BO	BP
53		0.03			0
54					0
55					0
56					0
57					0
58					0
59					0
60					0
61					0
62					0
63					0
64					0
65					0
66					0
67		0.03			0
68					0
69					0
70					0
71					0
72					0
73					0
74					0
75					0
76					0
77					0
78					0

	BL	BM	BN	BO	BP
79					0
80					0
81					0
82					0
83					0
84					0
85					0
86		0.03			0