

User ID: HPI

FREQUENCY DISTRIBUTION REPORT

Report Request ID: 1205190

Report Code: AMP230

Apr. 28, 2014

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	49			88101							

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
CRITERIA			

SELECTED OPTIONS

Option Type	Option Value
EVENTS PROCESSING	REPORT ALL EVENT RECORDS
SUMMARY CRITERIA	INCLUDE ALL DATA
MERGE PDF FILES	YES
AGENCY ROLE	PQAO

SORT ORDER

Order	Column
1	STATE_CODE
2	COUNTY_CODE
3	SITE_ID
4	EPA_REGION
5	DATES
6	PARAMETER_CODE
7	POC

DATE CRITERIA

Start Date	End Date
2013	2013

APPLICABLE STANDARDS

Standard Description
CO 8-hour 1971
Lead 3-Month 2009
Lead 3-Month PM10 Surrogate 2009
Lead Quarterly 1978
NO2 Annual 1971
Ozone 8-Hour 2008
PM10 24-hour 2006
PM25 24-hour 2006
SO2 1-hour 2010

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EXCEPTIONAL DATA TYPES

EDT	DESCRIPTION
0	NO EVENTS
1	EVENTS EXCLUDED
2	EVENTS INCLUDED
5	EVENTS WITH CONCURRENCE EXCLUDED

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-003-0003
 County: Box Elder
 City: Brigham City
 Support Agency: 1113
 Address: 140 W.FISHBURN DRIVE, BRIGHAM CITY, UT

AQCR: UTAH
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +41.492707
 Longitude: -112.018863
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,334.0

Site Comments: SITE FOR OZONE, PM2.5, AND MET:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc			
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages								Maximum Values	Arith Mean		
88101-PM2.5 - Local Conditions		1			1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	0	Micrograms/cubic meter (LC)		
2013	0	92	112	5	5	.5	10	25	50	75	90	95	98	99		1	2	9.96
							2.7	3.6	5.5	10.1	28.6	34.3	48.9	53.5		56.6	53.5	

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-005-0004

AQCR: UTAH

Latitude: +41.731111

County: Cache

Urban Area: LOGAN, UT

Longitude: -111.837500

City: Logan

Location Setting: URBAN AND CENTER CITY

UTM Zone:

Support Agency: 1113

Land Use: COMMERCIAL

Utm Northing:

Address: 125 W. CENTER STREET, LOGAN, UT

Utm Easting:

Vertical Meas: 1,380.0

Site Comments: SITE REPLACES 490050002 WHICH WAS CLOSED DUE TO DEMOLITION.:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Percentages								Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	0	Micrograms/cubic meter (LC)		
2013	0	97	355	39	39	.0	10	25	50	75	90	95	98	99	1	2	12.96
						3.0	4.4	6.4	12.0	36.2	48.5	68.0	86.2		97.4	93.6	
88101-PM2.5 - Local Conditions		2		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	0	Micrograms/cubic meter (LC)		
2013	0	94	29	3	3	2.4	10	25	50	75	90	95	98	99	1	2	10.78
						3.2	4.6	6.1	10.2	43.3	48.6	54.1	54.1		54.1	48.6	

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-011-0004

AQCR: WASATCH FRONT

Latitude: +40.902967

County: Davis

Urban Area: SALT LAKE CITY, UT

Longitude: -111.884467

City: Bountiful

Location Setting: SUBURBAN

UTM Zone: 12

Support Agency: 1113

Land Use: RESIDENTIAL

Utm Northing: 4528150.36

Address: 171 WEST 1370 NORTH, BOUNTIFUL, UTAH

Utm Easting: 425503.56

Vertical Meas: 1,309.0

Site Comments: NEW SITE TO REPLACE 490110001:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc				
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum Values	Arith Mean		
88101-PM2.5 - Local Conditions		1			1113			R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						Gravimetric	2	24 HOUR	0	Micrograms/cubic meter (LC)	
2013	0	92	113	9	9	.0	10	25	50	75	90	95	98	99		1	2	9.75	
							2.6	4.1	5.5	9.6	22.4	38.6	45.1	45.6		51.2	45.6		

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-035-1001	AQCR: WASATCH FRONT	Latitude: +40.708611
County: Salt Lake	Urban Area: SALT LAKE CITY, UT	Longitude: -112.094722
City: Magna	Location Setting: SUBURBAN	UTM Zone:
Support Agency: 1113	Land Use: RESIDENTIAL	Utm Northing:
Address: 2935 SOUTH 8560 WEST MAGNA,UTAH		Utm Easting:
		Vertical Meas: 1,317.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc			
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages									Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		1			1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						Gravimetric	2	24 HOUR	0	Micrograms/cubic meter (LC)	
2013	0	95	116	8	8	.0	10	25	50	75	90	95	98	99		1	2	9.37
							2.6	3.7	5.6	8.8	26.9	36.9	39.7	40.3		46.2	40.3	

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-035-3006
 County: Salt Lake
 City: Salt Lake City
 Support Agency: 1113
 Address: 1675 SOUTH 600 EAST, SALT LAKE CITY

AQCR: WASATCH FRONT
 Urban Area: SALT LAKE CITY, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.736389
 Longitude: -111.872222
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,306.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc			
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages									Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		1			1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						Gravimetric	2	24 HOUR	0	Micrograms/cubic meter (LC)	
2013	0	92	334	35	35	.4	10	25	50	75	90	95	98	99		1	2	11.95
							3.0	4.0	5.8	11.7	37.1	50.8	58.8	61.3		69.2	63.4	

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-035-3010
 County: Salt Lake
 City: Salt Lake City
 Support Agency: 1113
 Address: 1250 NORTH 1400 WEST

AQCR: WASATCH FRONT
 Urban Area: SALT LAKE CITY, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.784220
 Longitude: -111.931000
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,286.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc					
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages									Maximum	Values	Arith	Mean	
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC		Gravimetric							2	24 HOUR	1	Micrograms/cubic meter (LC)			
2013	0	91	331	25	25	.0	10	25	50	75	90	95	98	99		1	2	11.30			
						2.9	4.4	6.3	11.3	31.3	42.7	50.7	54.8		56.3	55.7					
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC		Gravimetric							2	24 HOUR	2	Micrograms/cubic meter (LC)			
2013	1	91	332	26	26	.0	10	25	50	75	90	95	98	99		1	2	11.40			
						2.9	4.4	6.4	11.3	31.8	42.9	50.7	54.8		56.3	55.7					
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC		Gravimetric							2	24 HOUR	5	Micrograms/cubic meter (LC)			
2013	1	91	332	26	26	.0	10	25	50	75	90	95	98	99		1	2	11.40			
						2.9	4.4	6.4	11.3	31.8	42.9	50.7	54.8		56.3	55.7					
88101-PM2.5 - Local Conditions		2		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC		Gravimetric							2	24 HOUR	0	Micrograms/cubic meter (LC)			
2013	0	94	29	2	2	2.4	10	25	50	75	90	95	98	99		1	2	11.10			
						3.4	4.8	5.6	9.5	33.1	50.9	51.2	51.2		51.2	50.9					

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-045-0003	AQCR: WASATCH FRONT	Latitude: +40.543309
County: Tooele	Urban Area: NOT IN AN URBAN AREA	Longitude: -112.299618
City: Tooele	Location Setting: URBAN AND CENTER CITY	UTM Zone:
Support Agency: 1113	Land Use: COMMERCIAL	Utm Northing:
Address: 434 NORTH 50 WEST, TOOELE, UTAH		Utm Easting:
		Vertical Meas: 1,511.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc			
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages								Maximum Values	Arith Mean		
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC	Gravimetric						2	24 HOUR	0	Micrograms/cubic meter (LC)		
2013	0	89	109	3	3	1.2	10	25	50	75	90	95	98	99		1	2	7.22
							2.1	3.3	4.8	7.1	15.2	28.1	42.9	43.9		46.0	43.9	

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Utah

Site ID: 49-047-5632	AQCR: UTAH	Latitude: +39.868622
County: Uintah	Urban Area: NOT IN AN URBAN AREA	Longitude: -109.097302
City: Not in a city	Location Setting: RURAL	UTM Zone:
Support Agency: 1387	Land Use: DESERT	Utm Northing:
Address: Accessed from Dragon Road/145-S, Uintah Co, UT		Utm Easting:
		Vertical Meas: 1,878.87

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc	
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Percentages						Obs		Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		1		1387		BGI Model PQ200 PM2.5 Sampler w/WINS							2	24 HOUR	0	Micrograms/cubic meter (LC)	
2013	0	49	31	0	0	.7	10	25	50	75	90	95	98	99	1	2	3.33
						1.7	2.5	3.3	4.3	5.4	6.0	6.3	6.3	6.3	6.3	6.0	
88101-PM2.5 - Local Conditions		3		1387		Met One BAM-1020 Mass Monitor w/VSCC							2	1 HOUR	0	Micrograms/cubic meter (LC)	
2013	0	46	4033			-2.0	10	25	50	75	90	95	98	99	1	2	5.98
						2.0	3.0	5.0	7.0	11.0	14.0	20.0	27.0	218.0	149.0		
88101-PM2.5 - Local Conditions		3		1387										24-HR BLK AVG	0	Micrograms/cubic meter (LC)	
2013	0	46	167	0	0	1.4	10	25	50	75	90	95	98	99	1	2	5.95
						2.8	3.6	4.7	6.6	10.8	14.4	18.0	22.7	33.8	22.7		

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-049-0002
 County: Utah
 City: Provo
 Support Agency: 1113
 Address: 1355 NORTH 200 WEST PROVO UT

AQCR: WASATCH FRONT
 Urban Area: PROVO-OREM, UT
 Location Setting: URBAN AND CENTER CITY
 Land Use: COMMERCIAL

Latitude: +40.253611
 Longitude: -111.663056
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,402.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc			
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages									Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		1		1113			R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	0	Micrograms/cubic meter (LC)		
2013	0	96	349	27	27	.2	10	25	50	75	90	95	98	99		1	2	11.56
							3.1	4.3	5.7	8.8	24.5	48.5	81.8	97.5		124.5	119.2	

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-049-4001
 County: Utah
 City: Lindon
 Support Agency: 1113
 Address: 30 NORTH MAIN STREET, LINDON, UTAH

AQCR: WASATCH FRONT
 Urban Area: PROVO-OREM, UT
 Location Setting: SUBURBAN
 Land Use: RESIDENTIAL

Latitude: +40.341389
 Longitude: -111.713611
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,442.0

Site Comments: LOCATED AT LINDON ELEMENTARY SCHOOL:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc			
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	0	Micrograms/cubic meter (LC)			
2013	0	97	353	33	33	.0	10	25	50	75	90	95	98	99		1	2	12.32
								2.9	4.2	5.8	9.5	27.5	53.9	72.4	93.3		123.3	114.0
88101-PM2.5 - Local Conditions		2		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	0	Micrograms/cubic meter (LC)			
2013	0	90	29	3	3	.0	10	25	50	75	90	95	98	99		1	2	12.08
								4.3	5.4	7.7	10.6	44.8	44.9	52.5	52.5		52.5	44.9

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-049-5010
 County: Utah
 City: Spanish Fork
 Support Agency: 1113
 Address: 312 W. 2050 NORTH, SPANISH FORK, UTAH

AQCR: WASATCH FRONT
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: SUBURBAN
 Land Use: INDUSTRIAL

Latitude: +40.136336
 Longitude: -111.660502
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,380.0

Site Comments: SITE IS LOCATED AT SPANISH FORK AIRPORT:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc				
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum Values	Arith Mean		
88101-PM2.5 - Local Conditions		1		1113				R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						Gravimetric	2	24 HOUR	0	Micrograms/cubic meter (LC)	
2013	0	96	117	10	10	.0	10	25	50	75	90	95	98	99		1	2	11.16	
							2.6	3.6	4.7	7.8	30.6	52.5	82.2	84.6		125.9	84.6		

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-053-0130
 County: Washington
 City: Virgin
 Support Agency: 0745
 Address: ZION NATIONAL PARK, UTAH

AQCR: FOUR CORNERS
 Urban Area: NOT IN AN URBAN AREA
 Location Setting: RURAL
 Land Use: DESERT

Latitude: +37.198300
 Longitude: -113.150600
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,213.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Percentages									Maximum Values	Arith Mean	
88101-PM2.5 - Local Conditions		1			0745		Met One BAM-1020 Mass Monitor w/VSCC							2	1 HOUR	0	Micrograms/cubic meter (LC)	
2013	0	47	4084			-7.7	10	25	50	75	90	95	98	99		1	2	5.18
							.6	2.5	4.7	7.4	10.1	11.8	14.2	18.4		53.5	49.5	
88101-PM2.5 - Local Conditions		1			0745		24-HR BLK AVG								24-HR BLK AVG	0	Micrograms/cubic meter (LC)	
2013	0	45	165	0	0	1.5	10	25	50	75	90	95	98	99		1	2	5.09
							2.5	3.0	4.2	6.4	9.1	10.2	11.6	17.2		19.3	17.2	

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-057-0002
 County: Weber
 City: Ogden
 Support Agency: 1113
 Address: 228 32ND STREET, OGDEN, UTAH

AQCR: WASATCH FRONT
 Urban Area: OGDEN, UT
 Location Setting: URBAN AND CENTER CITY
 Land Use: RESIDENTIAL

Latitude: +41.206321
 Longitude: -111.975524
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,316.0

Site Comments: THIS SITE REPLACES OG (490570001)WHICH WAS DEMOLISHED FOR NEW CONST.:

Parameter		POC		PQAO		Method of Collection and Analysis						MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min	Obs	Percentages								Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	1	Micrograms/cubic meter (LC)		
2013	0	91	332	21	21	.0	10	25	50	75	90	95	98	99	1	2	10.66
							3.2	4.7	6.6	10.3	26.4	37.4	46.7	51.9	67.2	66.2	
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	2	Micrograms/cubic meter (LC)		
2013	1	91	333	22	22	.0	10	25	50	75	90	95	98	99	1	2	10.81
							3.2	4.8	6.7	10.3	27.0	38.2	49.4	63.0	67.2	66.2	
88101-PM2.5 - Local Conditions		1		1113		R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC						2	24 HOUR	5	Micrograms/cubic meter (LC)		
2013	1	91	333	22	22	.0	10	25	50	75	90	95	98	99	1	2	10.81
							3.2	4.8	6.7	10.3	27.0	38.2	49.4	63.0	67.2	66.2	

FREQUENCY DISTRIBUTION REPORT

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Utah

Site ID: 49-057-1003
 County: Weber
 City: Harrisville
 Support Agency: 1113
 Address: 425 W 2550 NORTH, OGDEN, UTAH

AQCR: WASATCH FRONT
 Urban Area: OGDEN, UT
 Location Setting: RURAL
 Land Use: RESIDENTIAL

Latitude: +41.303614
 Longitude: -111.987871
 UTM Zone:
 Utm Northing:
 Utm Easting:
 Vertical Meas: 1,331.0

Site Comments:

Parameter		POC		PQAO		Method of Collection and Analysis							MDL	Duration	EDT	Unit Desc		
Year	Exc Evt	%Obs	#Obs	#Pri	#Sec	Min Obs	Percentages										Maximum Values	Arith Mean
88101-PM2.5 - Local Conditions		1			1113		R & P Model 2000 PM-2.5 Air Sampler w/VSCC							2	24 HOUR	0	Micrograms/cubic meter (LC)	
							R & P Model 2025 PM-2.5 Sequential Air Sampler w/VSCC							2				
2013	0	85	104	6	6	1.2	10	25	50	75	90	95	98	99		1	2	10.63
							2.9	4.1	5.9	9.8	29.2	42.0	44.6	45.8		61.9	45.8	