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## ***SDWIS -- List Validations By Element***

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**Element Name:** ACTION CODE

**Data Type:** Alphanumeric

**Description:** Specifies a code value representing the specific type of the enforcement action taken.

**Length:** 3

**Decimal Precision:** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
EF-	Fed CFP Consent Order/Decree w/penalty
EF!	Fed PAO issued
EF%	Fed Civil Case concluded
EF&	Fed Crim Case referred to DOJ
EF/	Fed 1431 (Emergency) Order
EF<	Fed CFP issued
EF=	Fed CFP Default Judgement
EF2	Referred for Higher Fed Level Review
EF9	Fed Civil Case referred to DOJ
EFG	Fed Public Notif issued
EFH	Fed Boil Water Order
EFJ	Fed Formal NOV issued
EFK	Fed BCA signed
EFL	Fed FAO issued
EFN	Fed Show-cause Hearing
EFQ	Fed Civil Case filed
EFR	Fed Consent Decree/Judgement
EFS	Fed Default Judgement
EFT	Fed Injunction
EFU	Fed Temp Restrain Order/Prelim Injunc
EFV	Fed Crim Case filed
EFW	Fed Crim Case concluded
EIA	Fed Violation/Reminder Notice
EIB	Fed Compliance Meeting conducted
EIC	Fed Tech Assistance Visit
EID	Fed Site Visit (enforcement)
EIE	Fed Public Notif requested

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## ***SDWIS -- List Validations By Element***

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EIF	Fed Public Notif received
EII	Federal CCR Follow-up Notice
EO+	Fed No addtl Formal Action needed
EO0	Fed No Longer Subject to Rule
EO6	Fed Intentional no-action
EO7	Fed Unresolved
EO8	Fed Other
EOX	Fed Compliance achieved
EOY	Fed Variance/Exemption issued
EOZ	Fed Turbidity Waiver issued
ESX	Implicit SWTR RTC (EPA Generated -- Cannot be reported)
ETX	Implicit TCR RTC (EPA Generated -- Cannot be reported)
SF%	St Civil Case concluded
SF&	St Crim Case referred to AG
SF2	Referred for Higher St Level Review
SF3	St Case appealed
SF4	St Case dropped
SF5	St Hook-up/Extension Ban
SF9	St Civil Case referred to AG
SFG	St Public Notif issued
SFH	St Boil Water Order
SFJ	St Formal NOV issued
SFK	St BCA signed
SFL	St AO (w/o penalty) issued
SFM	St Admin Penalty assessed
SFN	St Show-cause Hearing
SFO	St AO (w/penalty) issued
SFP	St Civil Case under development
SFQ	St Civil Case filed
SFR	St Consent Decree/Judgement
SFS	St Default Judgement

## ***SDWIS -- List Validations By Element***

SFT	St Injunction
SFU	St Temp Restrain Order/Prelim Injunc
SFV	St Crim Case filed
SFW	St Crim Case concluded
SIA	St Violation/Reminder Notice
SIB	St Compliance Meeting conducted
SIC	St Tech Assistance Visit
SID	St Site Visit (enforcement)
SIE	St Public Notif requested
SIF	St Public Notif received
SII	State CCR Follow-up Notice
SO+	St No addtl Formal Action needed
SO0	State No Longer Subject to Rule
SO6	St Intentional no-action
SO7	St Unresolved
SO8	St Other
SOX	St Compliance achieved
SOY	St Variance/Exemption issued
SOZ	St Turbidity Waiver issued

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

<i><b>Element Name:</b></i>	<i>ACTIVITY ACHIEVE DATE</i>	<i><b>Data Type:</b></i>	<i>Date(YYYYMMDD)</i>
<i><b>Description:</b></i>	<i>The calendar date on which the activity as successfully completed.</i>	<i><b>Length:</b></i>	<i>8</i>
		<i><b>Decimal Precision:</b></i>	<i>0</i>

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R52150	For Lead and Copper (Schedule Rule Code = "Lead"), if the Activity Type Code <> "DONE", then the submission of the Activity Achieve Date shall be prohibited.	X-Field	FedRep
R52170	For Lead and Copper (Schedule Rule Code = "Lead"), if the Activity Type Code = "DONE", then the submission of the Activity Achieve Date shall be required.	X-Field	FedRep

## ***SDWIS -- List Validations By Element***

**Element Name:** *ACTIVITY COMMENT* **Data Type:** *Alphanumeric*  
**Description:** *An alphanumeric value that represents any description, characteristic, or attribute that the State or EPA region wants to record for the schedule activity.* **Length:** 2000  
**Decimal Precision:** 0

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *ACTIVITY DUE DATE* **Data Type:** *Date(YYYYMMDD)*  
**Description:** *The calendar date by which the activity must be successfully completed.* **Length:** 8  
**Decimal Precision:** 0

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *ACTIVITY FLAG* **Data Type:** *Alpha*  
**Description:** *A code value that categorizes the activity of the water system and the water system facility.* **Length:** 1  
**Decimal Precision:** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
A	Active
I	Inactive

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *ACTIVITY TYPE CODE* **Data Type:** *Alphanumeric*  
**Description:** *Describes the activity associated with the schedule.* **Length:** 40  
**Decimal Precision:** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
DEEM	System deemed optimized w/o OCCT
DONE	System done with OCCT
LSLR	Lead service line replacement required
TBD	Activities for other Rules will be documented as the requirements are further defined. Currently, only the lead/copper validations are documented.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>

## ***SDWIS -- List Validations By Element***

"None"

<b>Element Name:</b> <i>ADDRESS ID</i>		<b>Data Type:</b> <i>Alphanumeric</i>
<b>Description:</b> <i>An alpha-numeric value used to uniquely identify a specific addressee of a public water system or a treatment plant facility.</i>		<b>Length:</b> <i>20</i>
		<b>Decimal Precision:</b> <i>0</i>

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

<b>Element Name:</b> <i>ADDRESS LINE 1</i>		<b>Data Type:</b> <i>Alphanumeric</i>
<b>Description:</b> <i>The first line of an address applicable to a legal entity.</i>		<b>Length:</b> <i>50</i>
		<b>Decimal Precision:</b> <i>0</i>

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50190	The Address Line 1 shall be alphanumeric text, which may contain numbers (0 - 9), letters (A - Z), special characters (e.g., &, #, %) and embedded spaces.	Field	FedRep

<b>Element Name:</b> <i>ADDRESS LINE 2</i>		<b>Data Type:</b> <i>Alphanumeric</i>
<b>Description:</b> <i>The second line of an address applicable to a legal entity.</i>		<b>Length:</b> <i>50</i>
		<b>Decimal Precision:</b> <i>0</i>

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50200	The Address Line 2 shall be alphanumeric text, which may contain numbers (0 - 9), letters (A - Z), special characters (e.g., &, #, %) and embedded spaces.	Field	FedRep

<b>Element Name:</b> <i>ADDRESSEE NAME</i>		<b>Data Type:</b> <i>Alphanumeric</i>
<b>Description:</b> <i>The individual name of a person or contact associated with a water system.</i>		<b>Length:</b> <i>70</i>
		<b>Decimal Precision:</b> <i>0</i>

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50180	Addressee Name shall be alphanumeric text, which may contain numbers (0 - 9), letters (A - Z), special characters (e.g., &, #, %) and embedded spaces.	Field	FedRep

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## ***SDWIS -- List Validations By Element***

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**Element Name:** *AFFILIATION TYPE*

**Data Type:** *Alpha*

**Description:** *A coded value which categorizes the reason for associating a legal entity with a public water system. Note: only one administrative contact should be identified for each public water system.*

**Length:** *2*

**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
AC	Administrative Contact - Identifies a legal entity as a contact of interest to the water system for potential notification of activities related to a specific water system. An example is identifying an individual that may receive copies of correspondence.
BI	Bureau of Indian Affairs Representative
DO	Designated Operator in Direct Charge
EC	Emergency Contact
FC	Financial Contact
HC	Health Clinic Representative
IE	Indian Health Service Engineer
IS	Indian Health Service Sanitarian
LC	Legal Contact
LE	Lead Engineer
MA	Mailing Address
OP	Operator
OT	Other
OW	Owner
PC	Primary Contact
RC	Regulatory contact
SA	Sampler
TC	Tribal Chairman
TE	Tribal Environmental Department Representative
TG	Tribal Government Representative
TH	Tribal Health Department Representative
TP	Water Treatment Plant Facility
UN	Utility Representative (non-tribal)
UT	Utility Representative (tribal)

## ***SDWIS -- List Validations By Element***

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *ANALYSIS RESULT* **Data Type:** *Numeric*  
**Description:** *A numeric value that represents the result obtained from a single analysis, or the average result obtained from multiple analyses, that led to the identification of an MCL violation for a public water system.* **Length:** *15*  
**Decimal Precision:** *9*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51110	If Violation Type is 01 or 02 and Contaminant begins with a 1, 2, or 4, Analysis Result shall be required.	X-Field	FedRep
R51120	If Violation Type is 11, 13 Analysis Result shall be optional.	X-Field	FedRep
R51130	If Violation Type is not equal 11, 13 and if Violation Type is not equal 01, 02 and Contaminant does not begin with a 1, 2, or 4, Analysis Result shall be prohibited.	X-Field	FedRep
R51140	Analysis Result shall be greater than zero, if submitted.	Field	FedRep
R51150	For all IESWTR violations, the system shall prohibit the submission of the Analysis Result.	X-Field	FedRep
R51160	For all DBPR violations, the system shall prohibit the submission of the Analysis Result.	X-Field	FedRep

**Element Name:** *ASSOCIATED J5000 GROUP* **Data Type:** *Alphanumeric*  
**Description:** *This is a group element that contains an Enforcement Action Begin Date; Enforcement Compliance Date; Violation Type; Contaminant; Rule.* **Length:** *0*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51290	If the Action Type of the Enforcement Action is SII, EII, SOX, EOX, the Associated J5000 Group shall be prohibited.	X-Object	FedRep
R51300	If the J5000 Violation Type (part of data value) is 51, 52, 53, 56, 57, 58, 59, 64, or 65, the J5000 Contaminant Code (part of data value), when specified, shall be 5000.	X-Field	FedRep
R51310	If specified, the J5000 Contaminant Code (part of the data value) shall be a permitted value.	Field	FedRep
R51320	If the J5000 Violation Type (part of data value) is 02, then the J5000 Contaminant Code (part of	X-Field	FedRep

## ***SDWIS -- List Validations By Element***

	data value) values of 0200, 2U15, 2U34, 2U36, 2V07, 2V08, 3100, 5000, 7000, or 7500 shall be prohibited.		
R51330	If the J5000 Violation Type (part of data value) is 04, the J5000 Contaminant Code (part of data value) values of 0200, 3100, 5000, 7000, or 7500 shall be prohibited.	X-Field	FedRep
R51340	The J5000 Rule (part of the data value) shall be a permitted value when specified. The Permitted Values are as follows: CCR, CHRD, IESW, DBPR, LEAD, NITR, PNR, SWTR, TCR, TURB, UNRG)	Field	FedRep
R51350	The linking of CCR Violations to an Enforcement Action shall be prohibited through the use of the Associated J5000 Group (i.e., Violation Type within the J5000 data value cannot be 71 or 72, Contaminant Code in the data value cannot be 7000, the rule data value cannot be CCR).	X-Field	FedRep
R51360	The linking of PNR Violations to an Enforcement Action shall be prohibited through the use of the Associated J5000 Group (i.e., Violation Type within the J5000 data value cannot be 75 or 76, the rule data value cannot be PNR).	X-Field	FedRep
R51370	Associated J5000 Group shall include one of the following element groupings:  Begin Date, Compliance Date, Violation Type Begin Date, Compliance Date, Violation Type, Contaminant Code Begin Date, Compliance Date, Violation Type, Rule Begin Date, Compliance Date, Contaminant Code Begin Date, Compliance Date, Rule.	X-Field	FedRep
R51380	If the J5000 Violation Type (part of data value) is 05, the J5000 Contaminant Code (part of data value) values of 7000 or 7500 shall be prohibited.	X-Field	FedRep
R51390	If the J5000 Violation Type (part of data value) is 08, 10, or 28, the J5000 Contaminant Code (part of data value) shall be prohibited.	X-Field	FedRep
R51400	If the J5000 Violation Type (part of data value) is 03, the J5000 Contaminant Code (part of data value) values of 0200, 3100, 5000, 7000, or 7500 shall be prohibited.	X-Field	FedRep
R51410	If the J5000 Violation Type (part of data value) is 31, 36, 41, or 42, the J5000 Contaminant Code (part of data value) shall be 0200, when specified.	X-Field	FedRep
R51420	If the J5000 Rule (part of data value) is CHRD, the J5000 Violation Type (part of data value) shall be 01, 02, 03, 04, 05, or 06, when specified.	X-Field	FedRep
R51430	If the J5000 Violation Type (part of data value) is 01, the J5000 Contaminant Code (part of data value) values of 0200, 2U15, 2U34, 2U36, 2V07, 2V08, 3100, 5000, 7000, or 7500 prohibited, when specified.	X-Field	FedRep



## ***SDWIS -- List Validations By Element***

R51440	The Associated J5000 Group shall be rejected if no violations are detected that match the specified criteria.	X-Object	National System
R51450	The J5000 Violation Type (part of the data value) shall be a permitted value when specified (the permitted values are the same as the Violation Type within the Violation Object).	Field	FedRep
R51460	If the J5000 Contaminant Rule (part of data value) is TCR, the J5000 Violation Type (part of data value) shall be 05, 06, 21, 22, 23, 24, 25, 26, or 28 when specified.	X-Field	FedRep
R51470	If the J5000 Violation Type (part of data value) is 07, the J5000 Contaminant Code (part of data value) shall be 2257 or 2265 when specified.	X-Field	FedRep
R51480	If the J5000 Violation Type (part of data value) is 21, 22, 23, 24, 25, or 26, the J5000 Contaminant Code (part of data value) shall be 3100 when specified.	X-Field	FedRep
R51490	If the J5000 Contaminant Rule (part of data value) is NITR, the J5000 Violation Type (part of data value) shall be 01, 02, 03, 04, 05, or 06 when specified.	X-Field	FedRep
R51500	If the J5000 Violation Type (part of data value) is 06, then the J5000 Contaminant (part of data value) values of 7000 or 7500 shall be prohibited when specified.	X-Field	FedRep
R51510	If the J5000 Rule (part of data value) is SWTR, the J5000 Violation Type (part of data value) shall be 05, 06, 31, 36, 41, or 42 when specified.	X-Field	FedRep
R51520	If the J5000 Rule (part of data value) is LEAD, the J5000 Violation Type (part of data value) shall be 51, 52, 53, 56, 57, 58, 59, 63, 64, or 65 when specified.	X-Field	FedRep
R51530	If the J5000 Violation Type (part of data value) is 63, the J5000 Contaminant (part of data value) shall be 1022 or 1030 when specified.	X-Field	FedRep
R51540	If the J5000 Contaminant Rule (part of data value) is TURB, the J5000 Violation Type (part of data value) shall be 01, 02, 03, 04, 05, or 06 when specified.	X-Field	FedRep
R51550	If the J5000 Contaminant Rule (part of data value) is IESW, the J5000 Violation Type (part of data value) shall be 09, 29, 37, 38, 43, 44, or 47 when specified.	X-Field	FedRep
R51560	If the J5000 Violation Type (part of data value) is 09, 29, 38, 43, 44, or 47, the J5000 Contaminant Code (part of data value) shall be 0300 when specified.	X-Field	FedRep
R51570	If the J5000 Violation Type (part of data value) and the J5000 Contaminant Code (part of data value) specifies one of the DBPR violation type / contaminant code combinations, the Begin Date	X-Field	FedRep

## ***SDWIS -- List Validations By Element***

	(part of data value) shall be greater than or equal to 01/01/2002.		
R51580	If the J5000 Violation Type (part of data value) is 46, the J5000 Contaminant Code (part of data value) shall be 2920 when specified.	X-Field	FedRep
R51590	If the J5000 Violation Type (part of data value) is 37, the J5000 Contaminant Code (part of data value) shall be 0300, 0400 when specified.	X-Field	FedRep
R51600	If the J5000 Violation Type (part of data value) is 27, the J5000 Contaminant Code (part of data value) shall be 0400, 0999, 1006, 1008, 1009, 1011, 2456, 2920, 2950 when specified.	X-Field	FedRep
R51610	If the J5000 Violation Type (part of data value) is 13, the J5000 Contaminant Code (part of data value) shall be 1008 when specified.	X-Field	FedRep
R51620	If the J5000 Violation Type (part of data value) is 12, the J5000 Contaminant Code (part of data value) shall be 0400 when specified.	X-Field	FedRep
R51630	If the J5000 Violation Type (part of data value) is 11, the J5000 Contaminant Code (part of data value) shall be 0900, 1006, 1008 when specified.	X-Field	FedRep
R51650	If the J5000 Violation Type (part of data value) and the J5000 Contaminant Code (part of data value) specifies one of the IESWTR violation type / contaminant code combinations, the Begin Date (part of data value) shall be greater than or equal to 01/01/2002.	X-Field	FedRep

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**Element Name:** *ASSOCIATED SCHEDULE IDS* **Data Type:** *Alphanumeric*  
**Description:** *One or more Schedule IDs that are associated to an Enforcement Action or a Site Visit.* **Length:** *12*  
**Decimal Precision:** *0*

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
	"None"		

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**Element Name:** *ASSOCIATED VIOLATION IDS (Y5000)* **Data Type:** *Alphanumeric*  
**Description:** *One or more Violation IDs that are associated to an Enforcement Action.* **Length:** *12*  
**Decimal Precision:** *0*

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *AVAILABILITY*

**Data Type:** *Alphanumeric*

**Description:** *A coded value that categorizes the circumstances under which a source of water is utilized by a water system.*

**Length:** *1*  
**Decimal Precision:** *0*

*Examples of availability include circumstances such as permanently, seasonally, for emergencies, etc.*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
E	Emergency Utilization
I	Interim (eg. Peak) Utilization
O	Other Utilization
P	Permanent Utilization
S	Seasonal Utilization

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *CATEGORY EVALUATION DISTRIBUTION*

**Data Type:** *Alphanumeric*

**Description:** *A coded value that describes in summary, the outcome of evaluating this category during the site visit. This is one of the elements set out in EPA/State Joint Guidance on Sanitary Surveys.*

**Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
M	Minor deficiencies.
N	No deficiencies or recommendations.
R	Recommendations made.
S	Significant deficiencies.
X	Not evaluated.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *CATEGORY EVALUATION FINISHED WATE* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that describes in summary, the outcome of evaluating this category during the site visit. This is one of the elements set out in EPA/State Joint Guidance on Sanitary Surveys.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
M	Minor deficiencies.
N	No deficiencies or recommendations.
R	Recommendations made.
S	Significant deficiencies.
X	Not evaluated.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *CATEGORY EVALUATION MANAGEMENT A* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that describes in summary, the outcome of evaluating this category during the site visit. This is one of the elements set out in EPA/State Joint Guidance on Sanitary Surveys.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
M	Minor deficiencies.
N	No deficiencies or recommendations.
R	Recommendations made.
S	Significant deficiencies.
X	Not evaluated.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *CATEGORY EVALUATION MONITORING RE* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that describes in summary, the outcome of evaluating this category during the site visit. This is one of the elements set out in EPA/State Joint Guidance on Sanitary Surveys.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
M	Minor deficiencies.
N	No deficiencies or recommendations.
R	Recommendations made.
S	Significant deficiencies.
X	Not evaluated.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *CATEGORY EVALUATION OPERATOR COM* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that describes in summary, the outcome of evaluating this category during the site visit. This is one of the elements set out in EPA/State Joint Guidance on Sanitary Surveys.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
M	Minor deficiencies.
N	No deficiencies or recommendations.
R	Recommendations made.
S	Significant deficiencies.
X	Not evaluated.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

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## ***SDWIS -- List Validations By Element***

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**Element Name:** *CATEGORY EVALUATION OTHER* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that describes in summary, the outcome of evaluating this category during the site visit. This is one of the elements set out in EPA/State Joint Guidance on Sanitary Surveys.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
M	Minor deficiencies.
N	No deficiencies or recommendations.
R	Recommendations made.
S	Significant deficiencies.
X	Not evaluated.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

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**Element Name:** *CATEGORY EVALUATION PUMPS* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that describes in summary, the outcome of evaluating this category during the site visit. This is one of the elements set out in EPA/State Joint Guidance on Sanitary Surveys.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
M	Minor deficiencies.
N	No deficiencies or recommendations.
R	Recommendations made.
S	Significant deficiencies.
X	Not evaluated.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *CATEGORY EVALUATION SECURITY* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that describes in summary, the outcome of evaluating this category during the site visit. This is one of the elements set out in EPA/State Joint Guidance on Sanitary Surveys.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
M	Minor deficiencies.
N	No deficiencies or recommendations.
R	Recommendations made.
S	Significant deficiencies.
X	Not evaluated.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *CATEGORY EVALUATION SOURCE* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that describes in summary, the outcome of evaluating this category during the site visit. This is one of the elements set out in EPA/State Joint Guidance on Sanitary Surveys.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
M	Minor deficiencies.
N	No deficiencies or recommendations.
R	Recommendations made.
S	Significant deficiencies.
X	Not evaluated.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *CATEGORY EVALUATION TREATMENT* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that describes in summary, the outcome of evaluating this category during the site visit. This is one of the elements set out in EPA/State Joint Guidance on Sanitary Surveys.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
M	Minor deficiencies.
N	No deficiencies or recommendations.
R	Recommendations made.
S	Significant deficiencies.
X	Not evaluated.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *CITY* **Data Type:** *Alphanumeric*  
**Description:** *The city in which a legal entity is located.* **Length:** *40*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50030	City shall be alphanumeric text, which may contain numbers (0 - 9), letters (A - Z), special characters (e.g., &, #, %) and embedded spaces.	Field	FedRep

**Element Name:** *CITY NAME* **Data Type:** *Alphanumeric*  
**Description:** *The city served by the water system.* **Length:** *40*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
TBD	To Be Supplied

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51860	The City Name with the US State Code shall be a value in a look-up table.	X-Field	National System



## ***SDWIS -- List Validations By Element***

**Element Name:** *CLOSE DATE* **Data Type:** *Date(YYYYMMDD)*  
**Description:** *A value that represents the calendar date on which a schedule terminates.* **Length:** *8*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *COMPLIANCE PERIOD BEGIN DATE* **Data Type:** *Alphanumeric*  
**Description:** *The calendar date of the beginning of a period in which a public water system was determined to be in violation of a primary drinking water regulation.* **Length:** *6*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50880	If Violation Type is 75 or 76, Compliance Period Begin Date shall be greater than or equal to 01/01/2001.	X-Field	FedRep
R50890	If Violation Type is 31, 36, 41, or 42, Compliance Period Begin Date shall be after 09/30/1989.	X-Field	FedRep
R50900	If Violation type is 72, Compliance Period Begin Date shall be greater than 10/19/1999.	X-Field	FedRep
R50910	If Violation Type is 71, Compliance Period Begin Date shall be 10/19/1999 or 07/01/2%% when the Violation Type is 71. The %%% in the year are wildcard characters. It means the year must be greater than 1999 and less than 3000.	X-Field	FedRep
R50920	If Violation Type is 05 or 06 and the Contaminant Code is 5000, Compliance Period Begin Date shall be greater than 06/30/1992.	X-Field	FedRep
R50930	For DBPR violations with a Violation Type of 02, Contaminant Code of 2456 or 2950, and an existing Compliance Period Begin Date less than 01/01/2002, the system shall prevent the modification of the Compliance Period Begin Date to a date greater than 01/01/2002. Conversely, if the Compliance Period Begin Date is greater or equal to 01/01/2002, the system shall prevent the modification of the Compliance Period Begin Date to a date less than 01/01/2002.	X-Field	National System
R50940	Modification of the Compliance Period Begin Date shall be prevented for the following open-ended DBPR Violation Type / Contaminant Code combinations: 12/0400, 27/0400, and 37/0400.	X-Field	National System
R50950	For all IESWTR violations, the Compliance Period Begin Date shall be greater than or equal	X-Field	FedRep

## ***SDWIS -- List Validations By Element***

to 01/01/2002.

Violation Type	Contaminant Code
-	
09	0300
29	0300
37	0300
38	0300
43	0300
44	0300
47	0300

R50960	For all DBPR violations, the Compliance Period Begin Date shall be greater than or equal to 01/01/2002 except those with a Contaminant Code of 2456 and 2950.	X-Field	FedRep
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The term "all DBPR violations" refers to violations with the following Violation Type / Contaminant Code combinations:

Violation Type	Contaminant Code
-	
02	1009, 1011
02	2456 and 2950 with Compliance Period Begin Date >= to 01/01/2002
11	0999, 1006, 1008
12	0400
13	1008
27	0400, 0999, 1006, 1008, 1009, 1011, 2456, 2920, 2950
37	0400
46	2920

R50970	Compliance Period Begin Date shall be on or before the current date, with the exception that Compliance Period Begin Date may be a future date for the following DBPR MCL and MRDL Violation Type / Contaminant Code combinations: 02/1011, 02/2456, 02/2950, 11/1006, and 11/0999.	Field	FedRep
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<b>Element Name:</b> <i>COMPLIANCE PERIOD END DATE</i>	<b>Data Type:</b> <i>Alphanumeric</i>
<b>Description:</b> <i>The calendar date of the end of a monitoring period in which a public water system was in violation of a primary drinking water regulation.</i>	<b>Length:</b> <i>6</i>
	<b>Decimal Precision:</b> <i>0</i>

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50980	If Violation Type is 31 or 36, Compliance Period End Date, when specified, shall be 1 exactly month after Compliance Period Begin Date.	X-Field	FedRep
R50990	If Violation Type is 31, 36, 41, 63, 64, 65,	X-Field	FedRep

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## ***SDWIS -- List Validations By Element***

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	Compliance Period End Date shall be optional.		
R51000	If Violation Type is 01, 03-28, 42, 53, 59, 56, 57, 59, 63, 64, 65, Compliance Period End Date shall be required.	X-Field	FedRep
R51010	If Violation Type is 21 - 26, Compliance Period End Date shall be 1 to 12 months after the Compliance Period Begin Date.	X-Field	FedRep
R51020	If Violation Type is 41 or 42, Compliance Period End Date shall be at least 1 month after the Compliance Period Begin Date.	X-Field	FedRep
R51030	If Violation Type is 03-06, 23-26, 28, 31, 36, 53-55, 59-62, 66-70, Compliance Period End Date shall be less than or equal to the current date.	X-Field	FedRep
R51040	If Violation Type is 01-06, or 28, Compliance Period End Date shall be from 1 to 120 months from Compliance Period Begin Date.	X-Field	FedRep
R51050	If Violation Type is 53 or 59, Compliance Period End Date shall be exactly 3, 6, 12, or 36 months after the Compliance Period Begin Date.	X-Field	FedRep
R51060	Compliance Period End Date shall be after Compliance Period Begin Date.	X-Field	FedRep
R51070	If Violation Type is 71, 72, 75, or 76, Compliance Period End date shall be prohibited.	X-Field	FedRep
R51080	If Violation Type is 51-65, Compliance Period End Date shall be after 06/30/1991.	X-Field	FedRep
R51090	If Violation Type is 12, 27, or 37 and Contaminant Code is 0400, Compliance Period End Date shall be prohibited.	X-Field	FedRep
R51100	For DBPR violations with the Violation Type/Contaminant Code combinations of 12/0400, 27/0400, and 37/0400, the system shall prevent the modification of the Compliance Period End Date.	X-Field	National System

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## ***SDWIS -- List Validations By Element***

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**Element Name:** *CONTAMINANT CODE*

**Data Type:** *Alphanumeric*

**Description:** *A code value that represents a contaminant for which a public water system has incurred a violation of a primary drinking water regulation.*

**Length:** *4*

**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
0100	Turbidity
0200	SWTR
0300	IESWTR
0400	DBP Stage 1
0999	Chlorine
1000	Total Chlorine
1001	Combined Chlorine
1002	Aluminum
1003	Nitrogen-Ammonia as (N)
1004	Bromide
1005	Arsenic
1006	Chloramine
1007	Chlorate
1008	Chlorine dioxide
1009	Chlorite
1010	Barium
1011	Bromate
1012	Residual Chlorine
1013	Free Residual Chlorine
1014	Ozone Residual
1015	Cadmium
1016	Calcium
1017	Chloride
1018	Carbon, Total
1020	Chromium
1021	Hydroxide as Calcium Carbonate

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## ***SDWIS -- List Validations By Element***

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1022	Copper
1023	Free Cyanide
1024	Cyanide
1025	Fluoride
1026	Bicarbonate as HCO <sub>3</sub>
1027	Hydrogen sulfide
1028	Iron
1029	Iron, Suspended
1030	Lead
1031	Magnesium
1032	Manganese
1033	Manganese, Suspended
1034	Manganese, Dissolved
1035	Mercury
1036	Nickel
1037	Total Kjeldahl Nitrogen (in Water mg/l)
1038	Nitrate-Nitrite
1039	Perchlorate
1040	Nitrate
1041	Nitrite
1042	Potassium
1043	Phosphate, Total
1044	Orthophosphate
1045	Selenium
1046	Percent Sodium
1047	Sodium Adsorption Ratio
1048	Total Hardness (Gr/Gal)D
1049	Silica
1050	Silver
1051	Strontium
1052	Sodium

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## ***SDWIS -- List Validations By Element***

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1055	Sulfate
1056	Residue, Non filterable (TSS)
1057	Residue, Total, Filterable
1058	Residue, Filterable-Volatile
1059	Residue, Filterable-Fixed
1060	Residue, Total-Volatile
1061	Residue, Total-Fixed
1062	Tot Extractable Hydrocarbons-Diesel Oil
1063	Residue, Nonfilterable-Fixed
1064	Conductivity @ 25 C U-MHO
1065	Tot Extractable Hydrocarbons-Waste Oil
1066	pH, CaCO3 Stability S.U.
1067	Alkalinity, CaCO3 Stability
1068	Acidity, Total (CaCO3)
1069	Acidity, M.O. (CaCO3)
1070	Residue, Total
1071	Residue, Settleable (by Weight)
1072	Phosphorus, Soluable
1073	Phosphate, Reactive
1074	Antimony, Total
1075	Beryllium, Total
1076	COD mg/l
1077	Residue, Nonfilterable, Volatile
1078	Bismuth, Total
1079	Boron, Total
1080	Chromium hexavalent ion
1081	Cobalt, Total
1082	Iron, Dissolved
1083	Lithium, Total
1084	Molybdenum, Total
1085	Thallium, Total

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## ***SDWIS -- List Validations By Element***

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1086	Tin, Total
1087	Titanium, Total
1088	Vanadium, Total
1089	MBAS
1090	Oil-Grease, Total
1091	BOD, 5-Day mg/l
1092	TOD mg/l
1093	Phosphorus, Total
1094	Asbestos
1095	Zinc
1901	Carbon dioxide
1902	Carbon disulfide
1905	Color
1910	Corrosivity
1914	Calcium Hardness
1915	Hardness, Total (as CaCO <sub>3</sub> )
1916	Hardness, Carbonate
1917	Hardness, Noncarbonate
1918	Hardness, Calcium Magnesium
1919	Calcium
1920	Odor
1925	pH
1927	Alkalinity, Total
1928	Alkalinity, Bicarbonate
1929	Alkalinity, Carbonate
1930	Total Dissolved Solids (TDS)
1931	Alkalinity, Phenolphthalein
1993	Stability Index
1994	Aggressive Index
1995	Scale Forming
1996	Temperature (Centigrade)

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## ***SDWIS -- List Validations By Element***

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1997	Langelier Index (PHS)
1998	Saturation Index
2004	Alachlor ESA
2005	Endrin
2006	Desethyl atrazine
2007	Desisopropyl atrazine
2009	4,4'-DDE
2010	gamma-BHC; Lindane
2015	Methoxychlor
2020	Toxaphene
2021	Carbaryl
2022	Methomyl
2023	Propoxur; Baygon
2024	Methiocarb
2027	Acetochlor
2028	Paraquat
2029	Prometon (Pramitol)
2030	p-Isopropyltoluene
2031	Dalapon
2032	Diquat
2033	Endothall
2034	Glyphosate
2035	Di(2-ethylhexyl) adipate
2036	Oxamyl; Vydate
2037	Simazine
2038	PAH's
2039	Di(2-ethylhexyl) phthalate
2040	Picloram
2041	Dinoseb
2042	Hexachlorocyclopentadiene
2043	Aldicarb sulfoxide



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## ***SDWIS -- List Validations By Element***

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2044	Aldicarb sulfone
2045	Metolachlor
2046	Carbofuran
2047	Aldicarb
2048	Hypochlorite Ion
2049	1,4-Dioxane
2050	Atrazine
2051	Alachlor; Lasso
2052	EPTC; Eptam
2053	Butylate (Sutan)
2054	Cyanazine; Bladex
2055	Trifluralin
2056	Diazinon; Spectracide
2057	Chlorpyrifos; Lorsban
2058	Malathion
2059	Azinphos-methyl (Guthion)
2060	Isofenphos; Oflanol
2061	Trithion
2062	Ethion
2063	2,3,7,8-TCDD (Dioxin)
2064	Parathion; Ethyl
2065	Heptachlor
2066	3-Hydroxycarbofuran
2067	Heptachlor epoxide
2068	Endosulfan I
2069	p,p'-DDE
2070	Dieldrin
2071	p,p'-DDD
2072	Endosulfan II
2073	Phosdrin
2074	Endosulfan sulfate

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## ***SDWIS -- List Validations By Element***

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2075	p,p'-DDT
2076	Butachlor
2077	Propachlor
2078	Cryptosporidium
2079	Dibromoacetonitrile
2080	Cyanogen chloride
2081	Amyl acetate (mixture of isomers)
2082	Butane
2083	Butyl acetate
2084	n-Butyl alcohol
2085	sec-Butyl alcohol
2086	1-Chlorobutane
2087	1-Chlorohexane
2088	Ethyl acetate
2089	Ethyl alcohol
2090	Ethyl ether
2091	Isooctane
2092	Isobutyl acetate
2093	Isobutyl alcohol
2094	Isopropyl acetate
2095	Isopropyl alcohol
2096	RDX
2097	AMPA; Aminomethylphosphonic Acid
2098	Bromacil
2100	DCPA mono-acid degradate
2101	DCPA di-acid degradate
2102	Disulfoton
2103	Diuron
2104	Fonofos (Dyfonate)
2105	2,4-D
2106	2,4-DB

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## ***SDWIS -- List Validations By Element***

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2107	Triclopyr
2108	DCPA mono/di-acid degradates
2110	2,4,5-TP; Silvex
2111	2,4,5-T
2112	Mecoprop; Mecopropp; MCPP
2113	MCPA
2114	Permethrin (mixed, cis & trans)
2200	2-Nitroaniline
2201	3-Nitroaniline
2202	Dibenzofuran
2203	4-Nitroaniline
2204	Azobenzene
2205	Chloramben
2206	Dichlorprop
2207	Benfluralin; Benetin
2209	Bromoxynil
2210	Chloromethane
2212	Dichlorodifluoromethane
2213	Chlorothalonil
2214	Bromomethane
2215	Chlorpyrifos
2216	Chloroethane
2217	Chlorsulfuron
2218	Trichlorofluoromethane
2219	Trichloroacetonitrile
2220	Demeton-Co; Dichrotophos
2221	Dimethoate
2222	Bis-2-chloroethyl ether
2223	Di-n-octylphthalate
2224	trans-1,3-Dichloropropene
2225	Hexachloroethane

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## *SDWIS -- List Validations By Element*

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2226	trans-1,2-Dichloropropene
2227	2-Methyl-4,6-dinitrophenol
2228	cis-1,3-Dichloropropene
2229	N-Nitrosodiphenylamine
2230	Aniline
2231	Benzyl alcohol
2232	1,2-Dibromoethylene, cis & trans
2233	2-Methyl-phenol (o-Cresol)
2234	2-Chloroethylvinyl ether
2235	4-Methylphenol
2236	Diiodomethane
2237	Benzoic acid
2238	Acrolein
2239	4-Chloroaniline
2240	Acrylonitrile
2241	2-Methyl naphthalene
2242	2,4,5-Trichlorophenol
2243	Acetone
2244	Bis(2-chloroisopropyl) ether
2245	Isopropyl ether
2246	Hexachlorobutadiene
2247	Methyl ethyl ketone
2248	Naphthalene
2249	Methyl isobutyl ketone
2250	Bis(2-chloroethoxy) methane
2251	Methyl-tert-Butyl-Ether (MTBE)
2252	Ethalfuralin; Sonalan
2253	Demeton-S-methyl; Metasystox
2254	Nitrobenzene
2255	Pendimethalin
2256	Propazine

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## *SDWIS -- List Validations By Element*

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2257	Epichlorohydrin
2258	2-Chloronaphthalene
2259	1-Naphthol; 1-hydroxynaphthalene
2260	Acenaphthylene
2261	Acenaphthene
2262	Isophorone
2263	Tetrahydrofuran
2264	Fluorene
2265	Acrylamide
2266	2,6-Dinitrotoluene
2267	Prophos; Ethoprop
2268	1,2-Diphenylhydrazine
2269	2-Hexanone
2270	2,4-Dinitrotoluene
2271	Tebuthiuron
2272	Terbacil
2273	trans-Nonachlor
2274	Hexachlorobenzene; HCB
2275	trans-permethrin
2276	4-Bromophenyl phenyl ether
2277	4-Methyl-2-pentanone
2278	Phenanthrene
2280	Anthracene
2282	Dimethylphthalate
2283	Linuron
2284	Diethylphthalate
2286	Fluoranthene
2288	Pyrene
2289	Propanil
2290	Di-n-butylphthalate
2291	Diflubenzuron

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## ***SDWIS -- List Validations By Element***

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2292	Benzidine
2293	Ethyl methacrylate
2294	Butyl benzylphthalate
2295	Methyl methacrylate
2296	Chrysene
2297	Fluometuron
2298	Bis(2-ethylhexyl) phthalate
2300	Benzo(a)anthracene
2301	Siduron
2302	Benzo[b]fluoranthene
2303	Thidiazuron
2304	Benzo[k]fluoranthene
2306	Benzo(a)pyrene
2308	Ideno(1,2,3-cd)pyrene
2310	Dibenzo[a,h]anthracene
2312	Benzo[ghi]perylene
2314	N-Nitrosodimethylamine
2316	N-Nitrosodi-N-propylamine
2318	4-Chlorophenyl phenyl ether
2320	3,3-Dichlorobenzidine
2324	Bis(chloromethyl) ether
2325	Pentane
2326	Pentachlorophenol
2327	Pentachloroethane
2328	2,4-Dinitrophenol
2330	p-Chloro-m-Cresol (4-Chloro-3-Methylphen
2331	Phenol
2332	2,4,6-Trichlorophenol
2334	2,4-Dichlorophenol
2336	2,4-Dimethylphenol
2340	2-Nitrophenol

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## ***SDWIS -- List Validations By Element***

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2342	4-Nitrophenol
2344	2-Chlorophenol
2346	4,6-Dinitro-o-cresol
2348	alpha-BHC
2350	beta-BHC
2354	delta-BHC
2356	Aldrin
2365	o,p'-DDE
2367	o,p'-DDD
2369	o,p'-DDT
2370	Dicofol; Kelthane
2371	Tedion
2372	Endrin aldehyde
2374	Kerosene
2376	n-Hexane
2377	1,3,5-Trichlorobenzene
2378	1,2,4-Trichlorobenzene
2380	cis-1,2-Dichloroethylene
2383	Total Polychlorinated Biphenyls (PCB)
2384	Dichlorobiphenyl; 4,4'-Dichlorobiphenyl
2388	Aroclor 1016
2390	Aroclor 1221
2392	Aroclor 1232
2394	Aroclor 1242
2396	Aroclor 1248
2398	Aroclor 1254
2399	PCB 1262
2400	Aroclor 1260
2401	Dichlorobenzenes, Total
2402	Allyl chloride (3-chloro-1-propene)
2408	Dibromomethane

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## *SDWIS -- List Validations By Element*

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2410	1,1-Dichloropropene
2412	1,3-Dichloropropane
2413	1,3-Dichloropropene, cis & trans
2414	1,2,3-Trichloropropane
2416	2,2-Dichloropropane
2418	1,2,4-Trimethylbenzene
2419	1,2,3-Trimethylbenzene
2420	1,2,3-Trichlorobenzene
2422	n-Butylbenzene
2424	1,3,5-Trimethylbenzene
2426	tert-Butylbenzene
2428	sec-Butylbenzene
2430	Bromochloromethane
2440	Dicamba
2441	Methane
2442	Methyl acetate
2443	Methyl alcohol
2444	Methyl Cellosolve
2445	Propyl acetate
2446	n-Propyl alcohol
2447	Vinyl acetate
2449	Acetic Acid; Ethanoic Acid
2450	Monochloroacetic acid
2451	Dichloroacetic Acid
2452	Trichloroacetic Acid
2453	Monobromoacetic acid
2454	Dibromoacetic acid
2455	Bromochloroacetic Acid
2456	Total Haloacetic Acids (HAA5)
2460	Chloral hydrate
2461	Dichloroacetonitrile



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## ***SDWIS -- List Validations By Element***

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2462	Bromochloroacetonitrile
2463	1,1-Dichloropropanone
2464	1,1,1-Trichloropropanone
2465	Chloropicrin
2466	Chloroacetonitrile
2468	Propionitrile
2469	2-Nitropropane
2470	Acetaldehyde
2471	Propanal
2472	Butanal
2473	Pentanal
2474	Glyoxal
2475	Methyl glyoxal
2476	Hexanal
2477	Heptanal
2478	Octanal
2479	Benzaldehyde
2480	Nonanal
2481	Decanal
2485	AOC/BDOC
2520	Vinyl 2-chloroethyl ether
2545	Terbufos; Counter
2570	Dyfonate; fonofos
2590	Mocap; Ethoprop
2595	Metribuzin
2605	Phorate; Thimet
2615	Prowl
2620	Amiben
2625	Bentazon; Basagran; 3-isopropyl-1H-2,1,3
2626	Molinate; S-ethyl hexahydro-1H-azepine-1
2627	Thiobencarb; Bolero; S-4-chlorobenzyl di

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## ***SDWIS -- List Validations By Element***

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2635	Bolstar; sulprofos
2650	Dichlorethylene, Total
2655	1,3-Dichloropropylene, Total
2904	Trichlorotrifluoroethane (Freon 113)
2905	Foaming Agents (Surfactants)
2910	Phenols
2919	Carbon, Dissolved Organic (DOC)
2920	Carbon, Total-Organic
2921	Total Organic Halide (TOX)
2922	UV Absorbance @254 nm
2930	Kepone
2931	1,2-Dibromo-3-chloropropane; DBCP
2932	Mirex
2933	Dichloran; Dicloran; Botran; 2,6-dichlor
2934	PCNB; Terraclor; pentachloronitrobenzene
2940	HMPA; Hexamethylphosphoramide
2941	Chloroform
2942	Bromoform
2943	Bromodichloromethane
2944	Dibromochloromethane
2946	Ethylene dibromide (EDB)
2949	Maximum Total Trihalomethane Potential
2950	TTHM
2951	Simulated Distribution System Test (SDS)
2955	Xylenes, Total
2959	Chlordane
2960	Ethylene glycol
2961	Formaldehyde
2962	p-Xylene
2964	Dichloromethane; methylene chloride
2965	o-Chlorotoluene

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## ***SDWIS -- List Validations By Element***

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2966	p-Chlorotoluene
2967	m-Dichlorobenzene
2968	o-Dichlorobenzene
2969	p-Dichlorobenzene
2970	trans-1,4-Dichloro-2-butene
2975	Dichloriodomethane
2976	Vinyl chloride
2977	1,1-Dichloroethylene
2978	1,1-Dichloroethane
2979	trans-1,2-Dichloroethylene
2980	1,2-Dichloroethane
2981	1,1,1-Trichloroethane
2982	Carbon tetrachloride
2983	1,2-Dichloropropane
2984	Trichloroethylene
2985	1,1,2-Trichloroethane
2986	1,1,1,2-Tetrachloroethane
2987	Tetrachloroethylene
2988	1,1,2,2-Tetrachloroethane
2989	Monochlorobenzene; Chlorobenzene
2990	Benzene
2991	Toluene
2992	Ethylbenzene
2993	Bromobenzene
2994	Isopropylbenzene
2995	m-Xylene
2996	Styrene
2997	o-Xylene
2998	n-Propylbenzene
2999	Note: (Reserved by MSIS)
2A01	Gasoline

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## ***SDWIS -- List Validations By Element***

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2A02	Fuel oil no. 2
2A03	Jet Fuel
2A04	Fuel oil no. 4
2A05	Fuel oil no. 5; Kerosene
2A06	Motor Oil
2A07	Submersible Pump Oil
2A08	Varsol; mineral spirits
2A09	Propane
2U15	15 Unregulated Phase 1 VOCs
2U34	34 Unregulated Phase 1 VOCs
2U36	36 Unregulated Phase 1 VOCs
2V07	7 Regulated Phase 1 VOCs
2V08	8 Regulated Phase 1 VOCs
3000	Coliform (Pre-TCR)
3001	Heterotrophic Bacteria (HPC or SPC)
3002	Enterococci /100 ml
3003	Fecal Streptococcus
3004	Staphylococcus
3005	Non-coliform Growth Identification
3006	Iron Bacteria Id
3007	Salmonella-Shigella
3008	Giardia lamblia
3009	Fungus /ml
3010	Virus PFU/gal
3011	Actinomycetes /ml
3012	Legionella
3013	Fecal Coliform
3014	E. Coli (Eschericia Coli)
3015	Cryptosporidium
3100	Coliform (TCR)
3200	Aeromonas hydrophila

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## ***SDWIS -- List Validations By Element***

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3201	Aeromonas spp.
3210	Helicobacter pylori
3300	Cyanobacteria (blue green algae)
3310	Algal Toxins
3400	Echoviruses
3410	Coxsackieviruses
3420	Calciviruses
3430	Adenoviruses
3500	Microsporidia
4000	Gross Alpha, Excl. Radon & U
4002	Gross Alpha, Incl. Radon & U
4004	Radon
4006	Combined Uranium
4007	Uranium-234
4008	Uranium-235
4009	Uranium-238
4010	Combined Radium (-226 & -228)
4012	Photon Emitters
4020	Radium-226
4030	Radium-228
4040	Alpha, Dissolved
4041	Alpha, Suspended
4042	Beta, Dissolved
4043	Beta, Suspended
4044	Potassium-40, Total
4100	Gross Beta Particle Activity
4101	Man-Made Beta Particle & Photon Emitters
4102	Tritium
4104	Beryllium-7
4106	Beryllium-10
4108	Carbon-14

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## ***SDWIS -- List Validations By Element***

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4109	Gross Alpha Particle Activity
4110	Sodium-22
4112	Phosphorus-32
4114	Sulfur-35
4116	Chlorine-36
4118	Calcium-45
4120	Calcium-47
4122	Scandium-46
4124	Scandium-47
4126	Scandium-48
4128	Vanadium-48
4130	Chromium-51
4132	Manganese-54
4134	Iron-55
4136	Iron-59
4138	Cobalt-57
4140	Cobalt-58
4142	Cobalt-60
4144	Nickel-59
4146	Nickel-63
4148	Zinc-65
4150	Germanium-71
4152	Arsenic-73
4154	Arsenic-74
4156	Arsenic-76
4158	Arsenic-77
4160	Selenium-75
4162	Selenium-79
4164	Bromine-82
4166	Rubidium-86
4168	Rubidium-87

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## ***SDWIS -- List Validations By Element***

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4170	Strontium-85
4172	Strontium-89
4174	Strontium-90
4176	Yttrium-90
4178	Yttrium-91
4180	Yttrium-91M
4182	Zirconium-93
4184	Zirconium-95
4186	Niobium-93
4188	Niobium-95
4190	Molybdenum-93
4192	Molybdenum-99
4194	Technetium-96
4196	Technetium-97M
4198	Technetium-97
4200	Technetium-99
4202	Technetium-99M
4204	Ruthenium-97
4206	Ruthenium-103
4208	Ruthenium-106
4210	Rhodium-105
4212	Palladium-103
4214	Palladium-107
4216	Silver-105M
4218	Silver-110M
4220	Silver-110
4222	Silver-111
4224	Cadmium-109
4226	Cadmium-113M
4228	Cadmium-115M
4230	Cadmium-115

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## ***SDWIS -- List Validations By Element***

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4232	Indium-115
4234	Tin-113
4236	Tin-123
4238	Tin-125
4240	Antimony-122
4242	Antimony-124
4244	Antimony-125
4246	Antimony-127
4248	Tellurium-125M
4250	52-Tellurium-127M
4252	Tellurium-127
4254	52-Tellurium-129M
4256	Tellurium-129
4258	Tellurium-132
4260	Iodine-126
4262	Iodine-129
4264	Iodine-131
4266	Cesium-131
4270	Cesium-134
4272	Cesium-135
4274	Cesium-136
4276	Cesium-137
4278	Barium-140
4280	Lanthanum-140
4282	Cerium-141
4284	Cerium-143
4286	Cerium-144
4288	Praseodymium-143
4290	Neodymium-147
4292	Promethium-147
4294	Promethium-148



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## ***SDWIS -- List Validations By Element***

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4296	61-Promethium-148M
4298	Promethium-149
4300	Samarium-151
4302	Samarium-153
4304	Europium-152
4306	Europium-154
4308	Europium-155
4310	Europium-156
4312	Gadolinium-153
4314	Terbium-160
4316	Dysprosium-166
4318	Holmium-166
4320	Holmium-166M
4322	Erbium-169
4324	Thulium-170
4326	Thulium-171
4328	Ytterbium-175
4330	Lutetium-177
4332	Hafnium-181
4334	Tantalum-182
4336	Tungsten-181
4338	Tungsten-185
4340	Tungsten-187
4342	Rhenium-183
4344	Rhenium-186
4346	Rhenium-187
4348	Osmium-185
4350	Osmium-191
4352	Osmium-193
4354	Iridium-190
4356	Iridium-192

## ***SDWIS -- List Validations By Element***

4358	Platinum-191
4360	78-Platinum-193M
4362	Platinum-193
4364	Gold-196
4366	Gold-198
4368	Thallium-204
4370	Lead-203
4372	Lead-210
4374	Bismuth-206
4376	Bismuth-207
4378	Bismuth-210
4380	Polonium-210
4382	Protactinium-233
5000	Lead & Copper Rule
7000	Consumer Confidence Rule
7500	Public Notice

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50660	If Violation Type is 08, 10, or 28, the submission of the Contaminant Code shall be prohibited.	X-Field	FedRep
R50670	If Violation Type is 31, 36, 41, or 42, the Contaminant Code shall be 0200.	X-Field	FedRep
R50680	If Violation Type is 51, 52, 53, 56, 57, 58, 59, 64, or 65, the Contaminant Code shall be 5000.	X-Field	FedRep
R50690	If Violation Type is 63, the Contaminant Code shall be 1022 or 1030.	X-Field	FedRep
R50700	If Violation Type is 03, the system shall prohibit the submission of 0200, 3100, 5000, 7000, 7500, or blank as the Contaminant Code.	X-Field	FedRep
R50710	If Violation Type is 02, the system shall prohibit the submission of 0200, 2U15, 2U34, 2U36, 2V07, 2V08, 3100, 5000, 7000, 7500, or blank as the Contaminant Code.	X-Field	FedRep
R50720	If Violation Type is 04, the system shall prohibit the submission of 0200, 3100, 5000, 7000, 7500, or blank as the Contaminant Code.	X-Field	FedRep
R50730	If Violation Type is 01, the system shall prohibit the submission of 0200, 2U15, 2U34, 2U36, 2V07, 2V08, 3100, 5000, 7000, 7500, or blank as the Contaminant Code.	X-Field	FedRep

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## ***SDWIS -- List Validations By Element***

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R50740	If Violation Type is 71 or 72, the Contaminant Code shall be 7000.	X-Field	FedRep
R50750	If Violation Type is 07, the Contaminant Code shall be 2257, 2265, or blank.	X-Field	FedRep
R50760	If Violation Type is 05, 06, or 07, the Contaminant Code shall be optional.	X-Field	FedRep
R50770	If Violation Type is 75 or 76, the Contaminant Code shall be 7500.	X-Field	FedRep
R50780	If Violation Type is 21, 22, 23, 24, 25, or 26, the Contaminant Code shall be 3100.	X-Field	FedRep
R50790	If Violation Type is 11, the Contaminant Code shall be 0999, 1006, or 1008.	X-Field	FedRep
R50800	If Violation Type is 05 or 06, the Contaminant Code 7000 and 7500 shall be prohibited.	X-Field	FedRep
R50810	If Violation Type is 12, the Contaminant Code shall be 0400.	X-Field	FedRep
R50820	If Violation Type is 13, the Contaminant Code shall be 1008.	X-Field	FedRep
R50830	If Violation Type is 27, the Contaminant Code shall be 0400, 0999, 1006, 1008, 1009, 1011, 2456, 2920, 2950..	X-Field	FedRep
R50840	If Violation Type is 37, the Contaminant Code shall be 0300 (IESWTR) or 0400 (DBPR).	X-Field	FedRep
R50850	If Violation Type is 46, the Contaminant Code shall be 2920.	X-Field	FedRep
R50860	If Violation Type is 09, the Contaminant Code shall be 0300 or prohibited.	X-Field	FedRep
R50870	If Violation Type is 29, 38, 43, 44, 47, the Contaminant Code shall be 0300.	X-Field	FedRep

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## ***SDWIS -- List Validations By Element***

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**Element Name:** *COORDINATE DATA SOURCE CODE*

**Data Type:** *Alphanumeric*

**Description:** *Party responsible for collecting or otherwise providing the latitude and longitude.*

**Length:** *3*

**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
001	ALABAMA
002	ALASKA
004	ARIZONA
005	ARKANSAS
006	CALIFORNIA
008	COLORADO
009	CONNECTICUT
010	DELAWARE
011	DISTRICT OF COLUMBIA
012	FLORIDA
013	GEORGIA
015	HAWAII
016	IDAHO
017	ILLINOIS
018	INDIANA
019	IOWA
020	KANSAS
021	KENTUCKY
022	LOUISIANA
023	MAINE
024	MARYLAND
025	MASSACHUSETTS
026	MICHIGAN
027	MINNESOTA
028	MISSISSIPPI
029	MISSOURI
030	MONTANA

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## ***SDWIS -- List Validations By Element***

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031	NEBRASKA
032	NEVADA
033	NEW HAMPSHIRE
034	NEW JERSEY
035	NEW MEXICO
036	NEW YORK
037	NORTH CAROLINA
038	NORTH DAKOTA
039	OHIO
040	OKLAHOMA
041	OREGON
042	PENNSYLVANIA
044	RHODE ISLAND
045	SOUTH CAROLINA
046	SOUTH DAKOTA
047	TENNESSEE
048	TEXAS
049	UTAH
050	VERMONT
051	VIRGINIA
053	WASHINGTON
054	WEST VIRGINIA
055	WISCONSIN
056	WYOMING
060	AMERICAN SAMOA
064	FEDERATED STATES OF MICRONESIA
066	GUAM
068	MARSHALL ISLANDS
069	NORTHERN MARIANA ISLANDS
070	PALAU
072	PUERTO RICO

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## ***SDWIS -- List Validations By Element***

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074	U.S. MINOR OUTLYING ISLANDS
078	VIRGIN ISLANDS OF THE UNITED STATES
080	CONTRACTOR
081	DUNN & BRADSTREET
082	EPA HEADQUARTERS
083	OTHER
084	OTHER FEDERAL AGENCY
085	PRIVATE
086	TRIBE
087	UNKNOWN
088	EPA REGION 1
089	EPA REGION 10
090	EPA REGION 2
091	EPA REGION 3
092	EPA REGION 4
093	EPA REGION 5
094	EPA REGION 6
095	EPA REGION 7
096	EPA REGION 8
097	EPA REGION 9
098	REGULATED ENTITY
NN	NAVAJO NATION

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

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## ***SDWIS -- List Validations By Element***

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**Element Name:** COUNTRY CODE

**Data Type:** Alpha

**Description:** A two character alphabetic code that represents the countries of the world.

**Length:** 2

**Decimal Precision:** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
AA	Aruba
AC	Antigua and Barbuda
AF	Afghanistan
AG	Algeria
AJ	Azerbaijan
AL	Albania
AM	Armenia
AN	Andorra
AO	Angola
AR	Argentina
AS	Australia
AT	Ashmore and Cartier Islands
AU	Austria
AV	Anguilla
AY	Antarctica
BA	Bahrain
BB	Barbados
BC	Botswana
BD	Bermuda
BE	Belgium
BF	The Bahamas
BG	Bangladesh
BH	Belize
BK	Bosnia and Herzegovina
BL	Bolivia
BM	Burma
BN	Benin

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## ***SDWIS -- List Validations By Element***

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BO	Belarus
BP	Solomon Islands
BR	Brazil
BS	Bassas da India
BT	Bhutan
BU	Bulgaria
BV	Bouvet Island
BX	Brunei
BY	Burundi
CA	Canada
CB	Cambodia
CD	Chad
CE	Sri Lanka
CF	Congo
CG	Zaire
CH	China
CI	Chile
CJ	Cayman Islands
CK	Cocos (Keeling) Islands
CM	Cameroon
CN	Comoros
CO	Colombia
CR	Coral Sea Islands
CS	Costa Rica
CT	Central African Republic
CU	Cuba
CV	Cape Verde
CW	Cook Islands
CY	Cyprus
DA	Denmark
DJ	Djibouti



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## ***SDWIS -- List Validations By Element***

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DO	Dominica
DR	Dominican Republic
EC	Ecuador
EG	Egypt
EI	Ireland
EK	Equatorial Guinea
EN	Estonia
ER	Eritrea
ES	El Salvador
ET	Ethiopia
EU	Europa Island
EZ	Czech Republic
FG	French Guiana
FI	Finland
FJ	Fiji
FK	Falkland Islands (Islas Malvinas)
FO	Faroe Islands
FP	French Polynesia
FR	France
FS	French Southern and Antarctic Lands
GA	The Gambia
GB	Gabon
GG	Georgia
GH	Ghana
GI	Gibraltar
GJ	Grenada
GK	Guernsey
GL	Greenland
GM	Germany
GO	Glorioso Islands
GP	Guadeloupe

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## ***SDWIS -- List Validations By Element***

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GR	Greece
GT	Guatemala
GV	Guinea
GY	Guyana
GZ	Gaza Strip
HA	Haiti
HK	Hong Kong
HM	Heard Island and Mcdonald Islands
HO	Honduras
HR	Croatia
HU	Hungary
IC	Iceland
ID	Indonesia
IM	Isle of Man
IN	India
IO	British Indian Ocean Territory
IP	Clipperton Island
IR	Iran
IS	Israel
IT	Italy
IV	Cote D'Ivoire
IZ	Iraq
JA	Japan
JE	Jersey
JM	Jamaica
JN	Jan Mayen
JO	Jordan
JU	Juan de Nova Island
KE	Kenya
KG	Kyrgyzstan
KN	Korea, Democratic People's Republic of

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## *SDWIS -- List Validations By Element*

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KQ	Kingman Reef
KR	Kiribati
KS	Korea, Republic of
KT	Christmas Island
KU	Kuwait
KZ	Kazakhstan
LA	Loas
LE	Lebanon
LG	Latvia
LH	Lithuania
LI	Liberia
LO	Slovakia
LS	Liechtenstein
LT	Lesotho
LU	Luxembourg
LY	Libya
MA	Madagascar
MB	Martinique
MC	Macau
MD	Moldova
MF	Mayotte
MG	Mongolia
MH	Montserrat
MI	Malawi
MK	Macedonia
ML	Mali
MN	Monaco
MO	Morocco
MP	Mauritius
MR	Mauritania
MT	Malta

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## *SDWIS -- List Validations By Element*

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MU	Oman
MV	Maldives
MW	Montenegro
MX	Mexico
MY	Malaysia
MZ	Mozambique
NC	New Caledonia
NE	Niue
NF	Norfolk Island
NG	Niger
NH	Vanuatu
NI	Nigeria
NL	Netherlands
NO	Norway
NP	Nepal
NR	Nauru
NS	Suriname
NT	Netherlands Antilles
NU	Nicaragua
NZ	New Zealand
PA	Paraguay
PC	Pitcairn Islands
PE	Peru
PF	Paracel Islands
PG	Spratly Islands
PK	Pakistan
PL	Poland
PM	Panama
PO	Portugal
PP	Papua New Guinea
PU	Guinea-Bissau

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## ***SDWIS -- List Validations By Element***

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QA	Qatar
RE	Reunion
RO	Romania
RP	Philippines
RS	Russia
RW	Rwanda
SA	Saudi Arabia
SB	St. Pierre and Miquelon
SC	St. Kitts and Nevis
SE	Seychelles
SF	South Africa
SG	Senegal
SH	St. Helena
SI	Slovenia
SL	Sierra Leone
SM	San Marino
SN	Singapore
SO	Somalia
SP	Spain
SR	Serbia
ST	St. Lucia
SU	Sudan
SV	Svalbard
SW	Swedan
SX	South Georgia and South Sandwich Islands
SY	Syria
SZ	Switzerland
TC	United Arab Emirates
TD	Trinidad and Tobago
TE	Tromelin Island
TH	Thailand

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## *SDWIS -- List Validations By Element*

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TI	Tajikistan
TK	Turks and Caicos Islands
TL	Tokelau
TN	Tonga
TO	Togo
TP	Sao Tome and Principe
TS	Tunisia
TU	Turkey
TV	Tuvalu
TW	Taiwan
TX	Turkmenistan
TZ	Tanzania
UG	Uganda
UK	United Kingdom
UP	Ukraine
US	United States
UV	Burkina
UY	Uruguay
UZ	Uzbekistan
VC	St. Vincent and the Grenadines
VE	Venezuela
VI	British Virgin Islands
VM	Vietnam
VT	Vatican City
WA	Namibia
WE	West Bank
WF	Wallis and Futuna
WI	Western Sahara
WS	Western Samoa
WZ	Swaziland
YM	Yemen



## ***SDWIS -- List Validations By Element***

**Element Name:** *ELECTRONIC ADDRESS* **Data Type:** *Alphanumeric*  
**Description:** *The e-mail address of the water system.* **Length:** *100*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *ENFORCEMENT COMMENT* **Data Type:** *Alphanumeric*  
**Description:** *An alphanumeric value that represents any description, characteristic, or attribute that the State or EPA region wants to record for the associated enforcement action data base record.* **Length:** *2000*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *ENFORCEMENT DATE* **Data Type:** *Date(YYYYMMDD)*  
**Description:** *A value that represents the calendar date on which an enforcement action was taken against a public water system.* **Length:** *8*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51280	Enforcement Date shall be on or before the current date.	Field	FedRep

**Element Name:** *ENFORCEMENT ID* **Data Type:** *Alphanumeric*  
**Description:** *An alphanumeric value used to uniquely identify a specific enforcement action taken against a public water system. It is unique for each public water system.* **Length:** *20*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		



## ***SDWIS -- List Validations By Element***

**Element Name:** *EVENT SCHEDULE ACTIVITY ID* **Data Type:** *Alpha*  
**Description:** **Length:** *20*  
**Decimal Precision:**

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *EVENT SCHEDULE ID* **Data Type:** *Alphanumeric*  
**Description:** *An alpha-numeric value used to uniquely identify a specific schedule for a public water system.* **Length:** *20*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *FACILITY ID* **Data Type:** *Alphanumeric*  
**Description:** *A state-assigned value which identifies the water system facility.* **Length:** *12*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50600	The Facility ID shall be alphanumeric text, which may contain numbers (0 - 9), letters (A - Z), special characters (e.g., &, #, %).	Field	FedRep

**Element Name:** *FACILITY ID FLOW FROM* **Data Type:** *Alphanumeric*  
**Description:** *A state-assigned value which identifies the water system facility from which water flows.* **Length:** *12*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R52390	The Facility ID shall be alphanumeric text, which may contain numbers (0 - 9), letters (A - Z), special characters (e.g., &, #, %).	Field	FedRep

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## ***SDWIS -- List Validations By Element***

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**Element Name:** *FACILITY ID FLOW TO* **Data Type:** *Alphanumeric*  
**Description:** *A state-assigned value which identifies the water system facility to which the water flows.* **Length:** *12*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51820	The Facility ID shall be alphanumeric text, which may contain numbers (0 - 9), letters (A - Z), special characters (e.g., &, #, %).	Field	FedRep

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**Element Name:** *FACILITY NAME* **Data Type:** *Alphanumeric*  
**Description:** *The name of the water system facility.* **Length:** *80*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50450	The Facility Name shall be alphanumeric text, which may contain numbers (0 - 9), letters (A - Z), special characters (e.g., &, #, %) and embedded spaces.	Field	FedRep

## ***SDWIS -- List Validations By Element***

**Element Name:** *FACILITY TYPE CODE*

**Data Type:** *Alphanumeric*

**Description:** *A coded value which categorizes the water facility. The code specifies the type of source, plant, or entry point facility (e.g., WL is a well which is a type of source).*

**Length:** *2*

**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
CC	Consecutive Connection
CH	Common Headers
CS	Cistern
CW	Clear Well
DS	Distribution System/Zone
IG	Infiltration Gallery
IN	Intake
NN	Non-piped, non-purchased
NP	Non-piped
OT	Other
PC	Pressure Control
PF	Pump Facility
RC	Roof Catchment
RS	Reservoir
SI	Surface Impoundment
SP	Spring
SS	Sampling Station A sampling station is a water system facility, such as a tap, that is used only to take samples. Other water system facilities (e.g. a well, intake, treatment unit, or common header) may also be used to take samples, but these water system facilities should be type coded based on their principle function.
ST	Storage-ST
TM	Transmission Main (Manifold)
TP	Treatment Plant
WH	Well Head
WL	Well (Source)

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *FACILITY WATER TYPE CODE* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that categorizes the source water used or the water purchased by the facility.* **Length:** *2*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
GU	Ground water under direct influence of surface water
GW	Ground Water
SW	Surface water

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50460	<p>The Facility Type Code and Facility Water Type Code shall be a valid combination. The valid combinations are:</p> <p>Type Code = CC Water Type Code = GU, GW, or SW                      Type Code = CH Water Type Code = Blank                      Type Code = CS Water Type Code = Blank                      Type Code = CW Water Type Code = Blank                      Type Code = DS Water Type Code = Blank                      Type Code = IG Water Type Code = GU or SW                      Type Code = IN Water Type Code = SW                      Type Code = NP Water Type Code = GU, GW, or SW                      Type Code = OT Water Type Code = Blank                      Type Code = PC Water Type Code = Blank                      Type Code = PF Water Type Code = Blank                      Type Code = RC Water Type Code = GW                      Type Code = RS Water Type Code = SW                      Type Code = SI Water Type Code = Blank                      Type Code = SP Water Type Code = GU, GW, or SW                      Type Code = SS Water Type Code = Blank                      Type Code = ST Water Type Code = Blank                      Type Code = TM Water Type Code = Blank                      Type Code = TP Water Type Code = Blank                      Type Code = WH Water Type Code = Blank                      Type Code = WL Water Type Code = GU or GW                      Type Code = NN Water Type Code = GU, GW, or SW</p>	X-Field	FedRep
R52410	<p>If Reported Filtration Status Code is "MIF" or "SAF", Facility Water Type Code values of "GW" shall be prohibited.</p>	X-Field	FedRep

**Element Name:** *FAX NUMBER* **Data Type:** *Alphanumeric*  
**Description:** *The fax number of a water system or the system's primary contact.* **Length:** *15*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
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## ***SDWIS -- List Validations By Element***

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"None"

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<b><i>Element Name:</i></b> <i>FIPS COUNTY CODE</i>		<b><i>Data Type:</i></b> <i>Alphanumeric</i>
<b><i>Description:</i></b> <i>The FIPS code representing the state and county served by the water system.</i>		<b><i>Length:</i></b> <i>5</i>
		<b><i>Decimal Precision:</i></b> <i>0</i>

<b><i>Rqmt ID</i></b>	<b><i>ValidationText</i></b>	<b><i>ValidatonType</i></b>	<b><i>AssignmentOfEdit</i></b>
	"None"		

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<b><i>Element Name:</i></b> <i>GEOMETRIC TYPE CODE</i>		<b><i>Data Type:</i></b> <i>Alphanumeric</i>
<b><i>Description:</i></b> <i>Value indicating whether the latitude and longitude coordinates represent a point, multiple points on a line, or an area.</i>		<b><i>Length:</i></b> <i>3</i>
		<b><i>Decimal Precision:</i></b> <i>0</i>

<b><i>Permitted Value</i></b>	<b><i>Description</i></b>
001	POINT (DEFAULT)
002	LINE
003	AREA
004	REGION
005	ROUTE

<b><i>Rqmt ID</i></b>	<b><i>ValidationText</i></b>	<b><i>ValidatonType</i></b>	<b><i>AssignmentOfEdit</i></b>
	"None"		

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<b><i>Element Name:</i></b> <i>HORIZONTAL ACCURACY MEASURE</i>		<b><i>Data Type:</i></b> <i>Numeric</i>
<b><i>Description:</i></b> <i>Quantitative measurement of the amount of deviation from true value in a measurement for latitude or longitude (estimate of error). It describes the correctness of the latitude/longitude measurement, in meters. Only the least accurate measurement is rec</i>		<b><i>Length:</i></b> <i>7</i>
		<b><i>Decimal Precision:</i></b> <i>2</i>

<b><i>Rqmt ID</i></b>	<b><i>ValidationText</i></b>	<b><i>ValidatonType</i></b>	<b><i>AssignmentOfEdit</i></b>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *HORIZONTAL COLLECTION METHOD COD* **Data Type:** *Alphanumeric*  
**Description:** *Method used to determine the latitude/longitude. This represents the primary source of the data.* **Length:** *3*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
001	ADDRESS MATCHING - HOUSE NUMBER
002	ADDRESS MATCHING - BLOCK FACE
003	ADDRESS MATCHING - STREET CENTERLINE
004	ADDRESS MATCHING - NEAREST INTERSECTION
005	ADDRESS MATCHING - PRIMARY NAME
006	ADDRESS MATCHING - DIGITIZED
007	ADDRESS MATCHING - OTHER
008	CENSUS BLOCK - 1990 - CENTROID
009	CENSUS BLOCK/GROUP - 1990 - CENTROID
010	CENSUS BLOCK TRACT - 1990 - CENTROID
011	CENSUS - OTHER
012	GLOBAL POSITIONING SYSTEM (GPS) CARRIER PHASE STATIC RELATIVE POSITIONING
013	GPS CARRIER PHASE KINEMATIC RELATIVE POSITIONING TECHNIQUE
014	GPS CODE MEASUREMENTS (PSEUDO RANGE) DIFFERENTIALLY CORRECTED
015	GPS CODE MEASUREMENTS (PSEUDO RANGE) PRECISE POSITIONING SERVICE
016	GPS CODE MEASUREMENTS (PSEUDO RANGE) STANDARD POSITIONING SERVICE SA OFF
017	GPS CODE MEASUREMENTS (PSEUDO RANGE) STANDARD POSITIONING SERVICE SA ON
018	INTERPOLATION - MAP
019	INTERPOLATION - PHOTO
020	INTERPOLATION - SATELLITE
021	INTERPOLATION - OTHER
022	LORAN C
023	PUBLIC LAND SURVEY - QUARTER SECTION
024	PUBLIC LAND SURVEY - SECTION

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## *SDWIS -- List Validations By Element*

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025	CLASSICAL SURVEYING TECHNIQUES
026	ZIP CODE - CENTROID
027	UNKNOWN
028	GPS - UNSPECIFIED
029	GPS CODE MEASUREMENTS (PSEUDO RANGE) STANDARD POSITIONING SERVICE CORRECTE
030	INTERPOLATION - DIGITAL MAP SOURCE (TIGER)
031	INTERPOLATION - SPOT
032	INTERPOLATION - MSS (MULTI-SPECTRAL SCANNER)
033	INTERPOLATION - TM (THEMATIC MAPPER)
034	PUBLIC LAND SURVEY - EIGHTH SECTION
035	PUBLIC LAND SURVEY - SIXTEENTH SECTION
036	PUBLIC LAND SURVEY - FOOTING
037	ZIP+4 CODE - CENTROID
038	ZIP+2 CODE - CENTROID

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
	"None"		

<b><i>Element Name:</i></b>	<i>HORIZONTAL REFERENCE DATUM CODE</i>	<b><i>Data Type:</i></b> <i>Alphanumeric</i>
<b><i>Description:</i></b>	<i>Reference standard for three dimensional and horizontal positioning established by the U.S. National Geodetic Survey (NGS) and other bodies.</i>	<b><i>Length:</i></b> <i>3</i>
		<b><i>Decimal Precision:</i></b> <i>0</i>

<i>Permitted Value</i>	<i>Description</i>
001	NAD 27
002	NAD 83
003	WGS 84

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
	"None"		

<b><i>Element Name:</i></b>	<i>INTERNATIONAL POSTAL CODE</i>	<b><i>Data Type:</i></b> <i>Alphanumeric</i>
<b><i>Description:</i></b>	<i>All codes for all postal zones for all countries except the U.S.</i>	<b><i>Length:</i></b> <i>14</i>
		<b><i>Decimal Precision:</i></b> <i>0</i>

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
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## ***SDWIS -- List Validations By Element***

R50040	If the Country Code is equal to 'US' (United States), the International Postal Code must not be specified.	X-Field	FedRep
R51870	If the Country Code is not equal to 'US' (United States), the International Postal Code is optional.	X-Field	FedRep

**Element Name:** *LATITUDE DEG:MINS:SECS* **Data Type:** *Alphanumeric*  
**Description:** *Coordinate representation indicating a location on the surface of the earth, using the earth's Equator as the origin, reported in degrees, minutes, and seconds.* **Length:** *13*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50210	If Longitude Deg:Mins:Secs is entered, Latitude Deg:Mins:Secs shall be required.	X-Field	FedRep
R50220	The Latitude shall be formatted as SDDMMSS.SSSS where: S is the meridian sign DD is the degrees MM is the minutes SS is the seconds SSSS is the microseconds	Field	FedRep
R50230	The Meridian Sign in Latitude Decimal Degrees shall be "+" or "-".	Field	FedRep
R50240	The degrees in Latitude Deg:Mins:Secs shall be between 0 and 90, inclusive.	Field	FedRep
R50250	The minutes in Latitude Deg:Mins:Secs shall be between 0 and 59, inclusive.	Field	FedRep
R50260	The seconds and microseconds in Latitude Deg:Mins:Secs shall be between 00.0000 and 59.9999, inclusive.	Field	FedRep

**Element Name:** *LATITUDE MEASURE* **Data Type:** *Alphanumeric*  
**Description:** *Coordinate representation indicating a location on the surface of the earth, using the earth's Equator as the origin, reported in decimal degrees.* **Length:** *10*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50330	If Longitude Measure is entered, Latitude Measure shall be required.	X-Field	FedRep
R50340	The Latitude Measure shall be formatted as SDDD.DDDDDD, where S is the meridian sign DDD.DDDDDD is the latitude in decimal degrees format	Field	FedRep



## ***SDWIS -- List Validations By Element***

R50350	The Meridian Sign in Latitude ± (Decimal Degrees) shall be "+" or "-".	X-Field	FedRep
R50360	The Latitude Measure shall be greater than or equal to -90.000000 and less than or equal to +90.000000.	Field	FedRep

**Element Name:** *LEVEL VIOLATED* **Data Type:** *Numeric*

**Description:** *A numeric value that represents the maximum contaminant level which was exceeded that led to the identification of an MCL violation for a public water system. Only reported when the State MCL is more stringent than the Federal MCL.* **Length:** *15*

**Decimal Precision:** *9*

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
R51170	If Analysis Result is greater than zero, Level Violated shall be optional.	X-Field	FedRep
R51180	Level Violated shall be greater than or equal to zero, if submitted.	Field	FedRep
R52290	If Analysis Result is not submitted, Level Violated is prohibited.	X-Field	FedRep
R52400	Level Violated shall be less than or equal to Analysis Result	X-Field	FedRep

**Element Name:** *LOCATION COMMENT TEXT* **Data Type:** *Alphanumeric*

**Description:** *Comments further describing the collection, processing, or interpretation of the latitude, longitude and/or vertical data.* **Length:** *150*

**Decimal Precision:** *0*

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
	"None"		

**Element Name:** *LONGITUDE DEG:MINS:SECS* **Data Type:** *Alphanumeric*

**Description:** *Coordinate representation indicating a location on the surface of the earth, using the Prime Meridian (Greenwich, England) as the origin, reported in degrees, minutes, and seconds.* **Length:** *13*

**Decimal Precision:** *0*

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
R50270	If Latitude Deg:Mins:Secs is entered, Longitude Deg:Mins:Secs shall be required.	X-Field	FedRep

## ***SDWIS -- List Validations By Element***

R50280	The Longitude shall be formatted as SDDMMSS.SSSS, where  S is the meridian sign DDD is the degrees MM is the minutes SS is the seconds SSSS is the microseconds	Field	FedRep
R50290	The meridian sign in Longitude Deg:Mins:Secs ('S' part of SDDD.DDDDDD) shall be "+" or "-".	Field	FedRep
R50300	The degrees in Longitude Deg:Mins:Secs must be between 0 and 180, inclusive.	Field	FedRep
R50310	The minutes in Longitude Deg:Mins:Secs shall be between 0 and 59, inclusive.	Field	FedRep
R50320	The seconds and microseconds in Longitude (Deg:Mins:Secs shall be between 00.0000 and 59.9999, inclusive.	Field	FedRep

**Element Name:** *LONGITUDE MEASURE*

**Data Type:** *Alphanumeric*

**Description:** *Coordinate representation indicating a location on the surface of the earth, using the Prime Meridian (Greenwich, England) as the origin, reported in decimal degrees.*

**Length:** *10*

**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50355	The Meridian Sign in Longitude ± (Decimal Degrees) shall be "+" or "-".	X-Field	FedRep
R50370	If Latitude Measure is entered, Longitude Measure shall be required.	X-Field	FedRep
R50380	The Longitude Measure shall be formatted as SDDD.DDDDDD, where S is the meridian sign DDD.DDDDDD is the longitude in decimal degrees format	Field	FedRep
R50390	Longitude Measure shall be between -180.000000 and +180.000000, inclusive.	Field	FedRep

## ***SDWIS -- List Validations By Element***

**Element Name:** *MAJOR VIOLATION INDICATOR* **Data Type:** *Alphanumeric*

**Description:** *A code value that indicates the severity of a Monitoring and Reporting (M&R) violation, major or minor. The major versus minor designation does not apply to a sanitary survey M&R violation.* **Length:** *1*  
**Decimal Precision:** *0*

<i>Permitted Value</i>	<i>Description</i>
N	No
Y	Yes

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
R51190	If Violation Type is 03, 31, or 36, Major Violation Indicator shall be required.	X-Field	FedRep
R51200	If Violation Type is 04, 07, 08, 09, or 10, Major Violation Indicator shall be optional.	X-Field	FedRep
R51210	If Violation Type is not 03, 31, 36, 04, 07, 08, 09 and 10, Major Violation Indicator shall be prohibited.	X-Field	FedRep

**Element Name:** *NAICS CODE SERVICE AREA* **Data Type:** *Alphanumeric*

**Description:** *Describes a broad categorization of the areas serviced by the Public Water System. This categorization will be provided by the NAICS Code.* **Length:** *6*  
**Decimal Precision:** *0*

<i>Permitted Value</i>	<i>Description</i>
TBD	EPA will supply a list of NAICS Codes that apply to this element.

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
R52120	Each NAICS Code shall be submitted once and only once for each water system.	X-Field	FedRep

**Element Name:** *NON-COMMUNITY SEASON BEGIN (MONTH* **Data Type:** *Date (MMDD)*

**Description:** *The calendar day and calendar month in which the water system's season of operation commences.* **Length:** *4*  
**Decimal Precision:** *0*

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
R50140	For a community water system (PWS Type = 'C'), the submission of the non-community season begin shall be prohibited.	X-Field	FedRep
R51850	For a non-community water system (PWS Type = 'NC' or 'NTNC'), the submission of the non-community season begin shall be required.	X-Field	FedRep

## ***SDWIS -- List Validations By Element***

**Element Name:** *NON-COMMUNITY SEASON END (MONTH A)* **Data Type:** *Date (MMDD)*  
**Description:** *The calendar day and calendar month in which the water system's season of operation ends.* **Length:** *4*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50150	If Non-Community Season Begin is submitted, the submission of the Non-Community Season End shall be required.	X-Field	FedRep

**Element Name:** *ORGANIZATION* **Data Type:** *Alphanumeric*  
**Description:** *The legal, formal name of the organization responsible for a water system.* **Length:** *80*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50020	The Organization shall be alphanumeric text, which may contain numbers (0 - 9), letters (A - Z), special characters (e.g., &, #, %) and embedded spaces.	Field	FedRep

**Element Name:** *OWNER TYPE* **Data Type:** *Alphanumeric*  
**Description:** *A code value that identifies the type of owner for a public water system.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
F	Federal Government
L	Local Government
M	Mixed Public/Private
N	Native American
P	Private
S	State Government

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *POSTAL CODE* **Data Type:** *Alphanumeric*  
**Description:** *The U.S. Postal Service (USPS) ZIP Code or the international postal code in which a legal entity is located.* **Length:** *14*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *PRIMARY NAICS CODE SERVICE AREA* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that indicates whether or not the service area is the primary area served by the water system.* **Length:** *6*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R52110	Each water system shall have one and only one primary NAICS Code.	X-Object	FedRep

**Element Name:** *PUBLIC NOTICE UNDERLYING VIOLATION* **Data Type:** *Alphanumeric*  
**Description:** *For a public notice violation, this field contains the violation ID of the underlying violation.* **Length:** *20*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51220	If Violation Type is 75, Public Notice Underlying Violation ID shall be required.	X-Field	FedRep
R51230	Every Public Notice Violation (Violation Type is 75) shall have one or more Public Notice Underlying Violation ID.	X-Field	FedRep
R51240	Assigning a Violation with a Violation Type of 05, 06, 71, 72, 75, or 76 as the Public Notice Underlying Violation ID shall be prohibited.	X-Object	National System
R51250	The Public Notice Underlying Violation ID shall be associated with one and only one Public Notice Violation (i.e., a violation cannot be associated to multiple public notice violations)..	X-Object	National System

## ***SDWIS -- List Validations By Element***

**Element Name:** *PWS ID* **Data Type:** *Alphanumeric*  
**Description:** *This qualifier is used to uniquely identify a Public Water System. PWS ID is always prefixed with a valid United States Postal Service (USPS) State abbreviation or EPA Region code (excluding Region 03), which is then followed by a 7-character identifier* **Length:** *9*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50580	The PWS ID shall be exactly nine characters in length.	Field	FedRep
R50590	The PWS ID shall be formatted as follows: Positions 3 - 9 contains only letters (A - Z) and/or numbers (0 - 9) in any combination. Special characters (e.g., \$, #, %) and embedded blanks are prohibited.	Field	FedRep
R51270	Positions 1 - 2 of the PWS ID shall be a valid United States Postal Service State Code, or an EPA Region Code '01' through '10' excluding Region '03' (for Indian Lands).	Field	FedRep

**Element Name:** *PWS NAME* **Data Type:** *Alphanumeric*  
**Description:** *The name of the water system. The name can be the formal, legal, or common name that is used most generally in referring to the water system. When multiple facilities exist for the water system at different physical locations, the name identifies the mea* **Length:** *80*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50010	The PWS Name shall be alphanumeric text, which may contain numbers (0 - 9), letters (A - Z), special characters (e.g., &, #, %) and embedded spaces.	Field	FedRep

## ***SDWIS -- List Validations By Element***

**Element Name:** *PWS TYPE* **Data Type:** *Alpha*  
**Description:** *A code value which classifies the type of public water system according to federal and state requirements.* **Length:** *4*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
C	Community
NC	Non-Community
NTNC	Non-Transient Non-Community

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *QTY COMPOSITED* **Data Type:** *Numeric*  
**Description:** *A numeric value that represents the total number of individual samples contained in a composite sample analysis.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
2, 3, 4, 5	Number of individual samples contained in a composite sample analysis.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51800	If the results for this sample include the Sample Contaminants PB90 or CU90, the Qty Compositd shall be prohibited.	X-Object	FedRep

**Element Name:** *REASON CODE* **Data Type:** *Alphanumeric*  
**Description:** *A code value that represents the reason why this activity is required.* **Length:** *5*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
B1	Serving fewer than 50,000; met action levels.
B3	Serving greater than 50,000; met action levels.
LSLR	Lead Service Line Replacement.
TBD	Reason Codes for other Rules will be documented as the requirements are further defined. Currently, only the lead/copper validations are documented.
WQP	Water Quality Parameters.

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

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## ***SDWIS -- List Validations By Element***

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**Element Name:** REFERENCE POINT CODE

**Data Type:** Alphanumeric

**Description:** Category of the feature referenced by the latitude and longitude.

**Length:** 3

**Decimal Precision:** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
002	PLANT ENTRANCE (GENERAL)
003	OTHER
004	PLANT ENTRANCE (PERSONNEL)
005	PLANT ENTRANCE (FREIGHT)
006	AIR RELEASE STACK
007	AIR RELEASE VENT
008	STORAGE TANK
009	PIPE RELEASE TO WATER
010	LAGOON OR SETTLING POND
011	LIQUID WASTE TREATMENT UNIT
012	ATMOSPHERIC EMISSIONS TREATMENT UNIT
013	SOLID WASTE TREATMENT/DISPOSAL UNIT
014	SOLID WASTE STORAGE AREA
015	LOADING FACILITY
016	LOADING AREA CENTROID
017	PROCESS UNIT
018	PROCESS UNIT AREA CENTROID
019	ADMINISTRATIVE BUILDING
020	FACILITY CENTROID
021	NE CORNER OF LAND PARCEL
022	SE CORNER OF LAND PARCEL
023	NW CORNER OF LAND PARCEL
024	SW CORNER OF LAND PARCEL
025	CENTER OF FACILITY
026	WELL
027	WELL PROTECTION AREA
028	WATER MONITORING STATION



## ***SDWIS -- List Validations By Element***

029 AIR MONITORING STATION  
030 INTAKE PIPE

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

<i><b>Element Name:</b></i>	REGULATING AGENCY	<i><b>Data Type:</b></i> Alphanumeric
<i><b>Description:</b></i>	Regulating Agency identifies the name of the agency that oversees a schedule.	<i><b>Length:</b></i> 80
		<i><b>Decimal Precision:</b></i> 0

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

<i><b>Element Name:</b></i>	REPORTED FILTRATION STATUS CODE	<i><b>Data Type:</b></i> Alphanumeric
<i><b>Description:</b></i>	A code reported by the state to indicate whether a non-emergency surface water source or a non-emergency ground water under the influence of surface water source is required to install filtration by a certain date or is successfully avoiding filtration.	<i><b>Length:</b></i> 3
		<i><b>Decimal Precision:</b></i> 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
MIF	Must Install filtration
SAF	Successfully Avoiding Filtration

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50490	Submission of the filtration status (Reported Filtration Status Code) shall be required for source facility with a Facility Water Type Code = "GU" or "SW."	X-Field	FedRep
R50500	Submission of the filtration status (Reported Filtration Status Code) shall be probited for an emergency source of water (AVAILABILITY_CODE = 'E').	X-Field	FedRep

<i><b>Element Name:</b></i>	REPORTING DATE	<i><b>Data Type:</b></i> Date(YYYYMMDD)
<i><b>Description:</b></i>	A calendar date that describes when an object will be extracted for reporting to EPA.	<i><b>Length:</b></i> 8
		<i><b>Decimal Precision:</b></i> 0

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *RETAIL POPULATION SERVED* **Data Type:** *Numeric*  
**Description:** *A value that indicates the estimated average daily population count for a given type of population served by a water system.* **Length:** *8*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50080	The upper limit for the Retail Population Served shall be 9 million (inclusive).	Field	FedRep
R50090	If the water system is a wholesaler of water (WholesalerOfWater is equal to 'Y'), Retail Population Served shall be greater or equal to zero.	X-Field	FedRep
R50100	If the water system is a non-wholesaler of water (WholesalerOfWater is equal to 'N') and the Retail Service Connections is less than 15, the Retail Population Served shall be greater than or equal to 25.	X-Field	FedRep

**Element Name:** *RETAIL SERVICE CONNECTIONS* **Data Type:** *Numeric*  
**Description:** *A value that indicates the number of service connections for a water system for a particular type of service connection.* **Length:** *7*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50110	If the water system is a wholesaler of water (WholesalerOfWater is equal to 'Y'), Retail Service Connections shall be greater than or equal to zero.	X-Field	FedRep
R50120	If the water system is a non-wholesaler of water (WholesalerOfWater is equal to 'N') and the Retail Population Served is less than 25, Retail Service Connections shall be equal to or greater than 15.	X-Field	FedRep

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## ***SDWIS -- List Validations By Element***

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**Element Name:** *SAMPLE ANALYSIS METHOD*

**Data Type:** *Alphanumeric*

**Description:** *A code value that represents the analysis technique or method that was used to obtain an analytical result.*

**Length:** *5*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
1	NEPHELOMETRIC
100.1	TRANSMISSION ELECTRON MICROSCOPY
100.2	TRANSMISSION ELECTRON MICROSCOPY
101	ATOMIC ABSORPTION DIRECT ASPIRATION
103	ATOMIC ABSORPTION, FLAMELESS
105	BRUCINE COLORIMETRIC
107	ELECTRODE
109	CADMIUM REDUCTION
110.2	VISUAL COMPARISON METHOD
111	COLORIMETRIC, PRELIMINARY DISTILLATION
113	SILVER DIETHYDITHIOCARBAMATE
115	ALIZARIN FLUORIDE BLUE
116	ALIZARIN FLUORIDE BLUE, MODIFIED
117	ZIRCONIUM
118	AUTOMATED ELECTRODE (FLUORIDE)
119	AUTOMATED COLD VAPOR TECHNIQUE
120.1	CONDUCTANCE @ 25C
121	AUTOMATED HYDRAZINE REDUCTION
122	NITRATE ION ELECTRODE (V KIMM)
123	ATOMIC ABSORPTION, GASEOUS HYDRIDE
124	CHROMOTROPIC ACID METHOD
125	GRAPHITE FURNACE (FLAMELESS AA)
127	POTENTIOMETRIC
128	SILVER NITRATE METHOD
129	PLATINUM
130	THERMOMETRIC
131	TITRIMETRIC IODINE

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## ***SDWIS -- List Validations By Element***

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133	CONSISTENT SERIES (ODOR)
135	GLASS ELECTRODE (PH)
136	POTENTIOMETRIC
137	TURBIDIMETRIC
138	LANGELIER INDEX (CORROSION)
139	RESIDUE, TOTAL FILTERABLE
141	EDTA TITRIMETRIC
142	METHYL ORANGE END POINT PH 4.5
143	HETEROPOLY BLUE
144	ACIDITY MEASUREMENT
145	SPECIFIC CONDUCTIVITY
147	DIRECT THENATE (AMMONIA)
149	ELECTROMETRIC TITRATION
150.1	ELECTROMETRIC-INDIVIDUAL MEASUREMENT
150.2	ELECTROMETRIC-ONLINE MEASUREMENT
151	SPECIFIC CONDUCTIVITY
153	MERCURIC NITRATE
155	METHYLENE BLUE COLORIMETRIC
157	TITRATION
159	COLORIMETRIC FERRICYANIDE AUTO
161	AUTOMATED COLORIMETRIC METHOD
1613	HIGH RES GCMS-CAPCOL- L/L EXTRACTION
163	CADMIUM REDUCTION, AUTOMATED
165	FLAME PHOTOMETRIC
180.1	NEPHELOMETRIC
200.7	INDUCTIVELY COUPLED PLASMA
200.8	INDUCTIVELY COUPLED PLASMA MASS SPECTRO
200.9	ATOMIC ABSORPTION, PLATFORM
201	ORGANOCHLORINE PESTICIDES
202.1	ATOMIC ABSORPTION DIRECT ASPIRATION
202.2	ATOMIC ABSORPTION, FURNACE

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## ***SDWIS -- List Validations By Element***

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203	CHLORINATED PHENOXY & HERBICIDES
204	ORGANOCHLORINE PESTICIDES
204.2	ATOMIC ABSORPTION, FURNACE
205	GAS CHROMATOGRAPHIC
206	CHLORINATED PHENOXY ACID HERBICIDES
206.2	ATOMIC ABSORPTION, FURNACE
206.3	ATOMIC ABSORPTION, GASEOUS HYDRIDE
206.4	ATOMIC ABSORPTION, SPECTROPHOTOMETRIC
207	METHYLENE BLUE ACTIVE SUBSTANCES
208.1	ATOMIC ABSORPTION DIRECT ASPIRATION
208.2	ATOMIC ABSORPTION, FURNACE
209	CHLOROFORM EXTRACT (PHENOLS)
210.2	ATOMIC ABSORPTION, FURNACE
211	COLORIMETRIC, PRELIMINARY DISTILLATION
2120B	VISUAL COMPARISON METHOD
213	PURGE & TRAP METHOD (TTHM)
213.2	ATOMIC ABSORPTION, FURNACE
2130B	NEPHELOMETRIC
215	LIQUID/LIQUID EXTRACTION (TTHM)
215.1	ATOMIC ABSORPTION DIRECT ASPIRATION
215.2	EDTA TITRIMETRIC
216	PURGE & TRAP METHOD (TTHM)
217	PURGE & TRAP METHOD (TTHM)
218	PURGE & TRAP METHOD (TTHM)
218.2	ATOMIC ABSORPTION, FURNACE
219	MICROEXTRACTION & GC (EDB & DBCP 504)
219.2	ATOMIC ABSORPTION, FURNACE
220	PURGE & TRAP METHOD (TTHM)
220.1	ATOMIC ABSORPTION DIRECT ASPIRATION
220.2	ATOMIC ABSORPTION, FURNACE
221	PURGE & TRAP CAP.COL. GC/MS (VOCS 524.2)

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## ***SDWIS -- List Validations By Element***

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2320	TITRIMETRIC
2320B	TITRIMETRIC
236.1	ATOMIC ABSORPTION DIRECT ASPIRATION
236.2	ATOMIC ABSORPTION, FURNACE
239.2	ATOMIC ABSORPTION, FURNACE
243.1	ATOMIC ABSORPTION DIRECT ASPIRATION
243.2	ATOMIC ABSORPTION, FURNACE
245.1	MANUAL COLD VAPOR TECHNIQUE
245.2	AUTOMATED COLD VAPOR TECHNIQUE
249.1	ATOMIC ABSORPTION DIRECT ASPIRATION
249.2	ATOMIC ABSORPTION, FURNACE
2510B	CONDUCTANCE @ 25C
2550	THERMOMETRIC
270.2	ATOMIC ABSORPTION, FURNACE
272.2	ATOMIC ABSORPTION, FURNACE
273.1	ATOMIC ABSORPTION DIRECT ASPIRATION
279.2	ATOMIC ABSORPTION, FURNACE
286.2	ATOMIC ABSORPTION, FURNACE
289.1	ATOMIC ABSORPTION, FURNACE
289.2	ATOMIC ABSORPTION, FURNACE
3	NEPHELOMETRIC, WITH STYRENE DIVINY
300	COLORIMETRIC SPADNS, WITH DISTILLATION
300.0	ION CHROMATOGRAPHY
300.1	ION CHROMATOGRAPHY
301	DPN
303	MEMBRANE FILTER
303.1	MEMBRANE FILTER
307	FERMENTATION TUBE - 5
307.1	FERMENTATION TUBE - 10
307.2	FERMENTATION TUBE - 5
307.3	FERMENTATION TUBE - PRESENCE/ABSENCE

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## ***SDWIS -- List Validations By Element***

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307A	ATOMIC ABSORPTION, GASEOUS HYDRIDE
310.1	TITRIMETRIC
310.2	EC MEDIUM - PRESENCE/ABSENCE
310.3	COLILERT - PRESENCE/ABSENCE
310.4	NUTRIENT AGAR & MUG
3111B	ATOMIC ABSORPTION DIRECT ASPIRATION
3111D	ATOMIC ABSORPTION DIRECT ASPIRATION
3112B	MANUAL COLD VAPOR TECHNIQUE
3113B	ATOMIC ABSORPTION, FURNACE
3114B	ATOMIC ABSORPTION, GASEOUS HYDRIDE
3120	INDUCTIVELY COUPLED PLASMA MASS SPECTRO
3120B	INDUCTIVELY COUPLED PLASMA
335.1	AMENABLE SPECTROPHOTOMETRIC
335.2	SPECTROPHOTOMETRIC, MANUAL
335.3	AUTO-SPECTROPHOTOMETRIC
335.4	SPECTROPHOTOMETRIC SEMI-AUTOMATED
340.3	AUTOMATED ALIZARIN FLUORIDE BLUE, WITH
353.1	AUTOMATED HYDRAZINE REDUCTION
353.2	CADMIUM REDUCTION, AUTOMATED
353.3	CADMIUM REDUCTION, MANUAL
354.1	SPECTROPHOTOMETRIC, MANUAL
365.1	COLORIMETRIC, AUTOMATED, ASCORBIC ACID
365.2	COLORIMETRIC, MANUAL
365.3	COLORIMETRIC, MANUAL
370.1	COLORIMETRIC-MOLYBDATE BLUE
375.1	AUTOMATED CHLORANILATE
375.2	COLORIMETRIC, AUTOMATED, METHYLTHYMOL B
375.3	GRAVIMETRIC
375.4	TURBIDIMETRIC
401	GROSS ALPHA & BETA (302)
402	GROSS ALPHA & BETA

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## ***SDWIS -- List Validations By Element***

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403	STRONTIUM
404	STRONTIUM 89,90 ANALYSIS (NJ)
405	TOTAL RADIUM, METHOD 304
407	RADIUM
409	TRITIUM, METHOD 306
410	TRITIUM, LIQUID SCINTILLATION
411	CESIUM
4110	COLORIMETRIC SPADNS, WITH DISTILLATION
4110B	ION CHROMATOGRAPHY
413	URANIUM, ASTM D
413B	POTENTIOMETER ION SELECTIVE ELECTRODE
413E	AUTOMATED ALIZARIN FLUORIDE BLUE, WITH
414	IODINE
415	IODINE
416	IODINE
417	RADIUM
418	RADIUM
419	RADIUM
425.1	ANIONIC SURFACTANTS AS MBAS
501.1	PURGE AND TRAP; GAS CHROMATOGRAPHY
501.2	GAS CHROMATOGRAPHY-LIQUID/LIQUID EXTRAC
502.2	VOC, GC, PID/ECD, P&T, CAPCOLUMN
503.1	VOC, AROMATIC/UNSATURATED, GC, P&T
504	GC-MICROEXTRACTION-ECD
504.1	GC-MICROEXTRACTION-ECD
505	PESTICIDES, PCB, GC, MICROEXTRACT
506	GAS CHROMATOGRAPHY-L/L OR L/S EXTRACTIO
507	PESTICIDES, NIT/PHOS, GC, NIT/PHOSDET
508	PESTICIDES, CHLORINATED, GC, ELCAPDET
508.1	PESTICIDES, PCB, GC, MICROEXTRACT
508A	PACKED COLUMN-GAS CHROMATOGRAPHY
510.1	TTHM AFTER INCUBATION



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## ***SDWIS -- List Validations By Element***

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513	HIGH RES GCMS-CAPCOL- L/L EXTRACTION
515.1	ACIDS, CHLORINATED, GC, ELCAPDET
515.2	ACIDS, CHLORINATED, GC, ELCAPDET
524.1	VOC, GC/MS, P&T, PACKCOLUMN
524.2	VOC, GC/MS, P&T, CAPCOLUMN
525.1	ORGANICS, GC/MS, LIQ/SOLEXT, CAPCOLUMN
525.2	ORGANICS, GC/MS, LIQ/SOLEXT, CAPCOLUMN
531.1	PESTICIDES, CARBAMATES, HPLC, POSTCOL
5310B	HIGH TEMPERATURE COMBUSTION METHOD
5310C	PERSULFATE-ULTRAVIOLET OR OXIDATION
5310D	WET-OXIDATION METHOD
547	HIGH PERF LIQ CHROM-POST COL REACTOR-FL
548	GC-L/S EXTRACTION-ELECTRON CAPTURE DETE
548.1	GC-L/S EXTRACTION-ELECTRON CAPTURE DETE
549	HIGH PERF LIQ CHROM-L/S EXTRACT- UV DET
549.1	HIGH PERF LIQ CHROM-L/S EXTRACT- UV DET
550	HIGH PERF LIQ CHR-L/L EXT- UV AND FLUOR
550.1	HIGH PERF LIQ CHR-L/L EXT- UV AND FLUOR
551	DBPS & CL2 SOLVENTS GC L/L ELECTRON CAP
551.1	DBPS & CL2 SOLVENTS GC L/L ELECTRON CAP
552	HAAS - GC L/L ELECTRON CAPTURE
552.1	HAAS - GC L/L ELECTRON CAPTURE
552.2	DBPS & CL2 SOLVENTS GC L/L ELECTRON CAP
5540C	ANIONIC SURFACTANTS AS MBAS
555	ACIDS, CHLORINATED, GC, ELCAPDET
5910B	ULTRAVIOLET ABSORPTION METHOD
601	ION SELECTIVE ELECTRODE
6251B	GC-L/S EXTRACTION-ELECTRON CAPTURE DETE
6610	PESTICIDES, CARBAMATES, HPLC, POSTCOL
6651	VOC, GC, PID/ECD, P&T, CAPCOLUMN
7110B	EVAPORATION METHOD FOR GROSS ALPHA-BETA

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## ***SDWIS -- List Validations By Element***

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900	EVAPORATION METHOD FOR GROSS ALPHA-BETA
903.1	PRECIPITATION METHOD FOR RADIUM
904.4	SEQUENTIAL PRECIPITATION METHOD FOR RAD
906	LIQUID SCINTILLATION SPECTROPHOTOMETRIC
908	RADIOCHEMICAL METHOD
908.1	ISOTOPIC METHOD 9215B POUR PLATE
9215C	SPREAD PLATE
9215D	MEMBRANE FILTER
9216B	CULTURE & MICROSCOPIC EXAMINATION
9221D	FERMENTATION TUBE - PRESENCE/ABSENCE
9222B	MEMBRANE FILTER
9222C	MEMBRANE FILTER - DELAYED
9225C	DIFFERENTIATION OF COLIFORM BACTERIA
9230B	FERMENTATION TUBE - MULTIPLE
9230C	MEMBRANE FILTER
9240B	IRON BACTERIA
9260C	IMMUNOFLUORESCENCE
9260D	QUANTITATIVE
9260E	SHIGELLA
9260F	ESCHERICHIA COLI
9260G	CAMPYLOBACTER JEJUNI
9260H	VIBRIO CHOLERAЕ
9260I	PATHOGENIC LEPTOSPIRES
9260J	LEGIONELLACEAE
9260K	YERSINIA ENTEROCOLITICA
9510B	MICROPOROUS FILTRATION - SMALL VOLUMES
9510D	ALUMINUM HYDROXIDE ADSORPTION-PRECIPITA
9610B	POUR PLATE 9610C MEMBRANE FILTER
9610C	MEMBRANE FILTER
9610H	FUNGI PATHOGENIC TO HUMANS
9711B	GIARDIA LAMBLIA

## ***SDWIS -- List Validations By Element***

B1011 ION CHROMATOGRAPHY, MILLIPORE  
 GRAB SAMPLE COLLECTION

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

***Element Name:*** *SAMPLE ANALYSIS RESULT* ***Data Type:*** *Numeric*

***Description:*** *A numeric value that represents the result obtained from a sample's analysis.* ***Length:*** *15*  
***Decimal Precision:*** *9*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51750	If Sample Result Sign is equal to '=', Sample Analysis Result shall be greater than zero.	X-Field	FedRep
R51760	If Sample Contaminant is CU90, Sample Analysis Result shall be greater than or equal to 1.35.	X-Field	FedRep
R51770	If Sample Result Sign is equal to '<' (Below minimum detection limits), Sample Analysis Result shall be greater than or equal to 0.	X-Field	FedRep

***Element Name:*** *SAMPLE BEGIN DATE* ***Data Type:*** *Date(YYYYMMDD)*

***Description:*** *The calendar date of the first day of the monitoring period in which 90th percentile data for lead or copper was acquired.* ***Length:*** *8*  
***Decimal Precision:*** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51640	Sample Begin Date shall be after 06/30/1991.	Field	FedRep
R51660	Sample Begin Date shall be on or before the current date.	Field	FedRep
R51670	If the results for this sample include the Sample Contaminants PB90 or CU90, the Sample Begin Date shall be required.	X-Object	FedRep
R51680	If the results for this sample do not include the Sample Contaminants PB90 or CU90, the Sample Begin Date shall be prohibited.	X-Field	FedRep
R51690	Sample Begin Date shall be before Sample Date.	X-Field	FedRep

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## ***SDWIS -- List Validations By Element***

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**Element Name:** *SAMPLE CONTAMINANT*

**Data Type:** *Alphanumeric*

**Description:** *The identification number of the contaminant for which sample data have been reported for a public water system.*

**Length:** *4*

**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
1000	Total Chlorine
1001	Combined Chlorine
1002	Aluminum
1003	Nitrogen-Ammonia as (N)
1004	Bromide
1005	Arsenic
1006	Chloramine
1007	Chlorate
1008	Chlorine Dioxide
1009	Chlorite
1010	Barium
1011	Bromate
1012	Residual Chlorine
1013	Free Residual Chlorine
1014	Ozone Residual
1015	Cadmium
1016	Calcium
1017	Chloride
1018	Carbon, Total
1020	Chromium
1021	Hydroxide as Calcium Carbonate
1022	Copper
1023	Free Cyanide
1024	Cyanide
1025	Fluoride
1026	Bicarbonate as HCO <sub>3</sub>
1027	Hydrogen Sulfide

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## ***SDWIS -- List Validations By Element***

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1028	Iron
1029	Iron, Suspended
1030	Lead
1031	Magnesium
1032	Manganese
1033	Manganese, Suspended
1035	Mercury
1036	Nickel
1037	Total Kjeldahl Nitrogen (in Water
1038	Nitrate-Nitrite
1040	Nitrate
1041	Nitrite
1042	Potassium
1043	Phosphate, Total
1044	Orthophosphate
1045	Selenium
1046	Percent Sodium
1047	Sodium Adsorption Ratio
1048	Total Hardness (Gr/Gal)D
1049	Silica
1050	Silver
1051	Strontium
1052	Sodium
1055	Sulfate
1057	Residue, Total, Filterable
1058	Residue, Filterable-Volatile
1059	Residue, Filterable-Fixed
1060	Residue, Total-Volatile
1061	Residue, Total-Fixed
1062	Tot Extractable Hydrocarbons-Dies
1063	Residue, Nonfilterable-Fixed

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## ***SDWIS -- List Validations By Element***

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1064	Conductivity @ 25 C U-MHO
1065	Tot Extractable Hydrocarbons-Wast
1066	pH, CaCO3 Stability S.U.
1067	Alkalinity, CaCO3 Stability
1068	Acidity, Total (CaCO3)
1069	Acidity, M.O. (CaCO3)
1070	Residue, Total
1071	Residue, Settleable (by Weight)
1072	Phosphorus, Soluable
1073	Phosphate, Reactive
1074	Antimony, Total
1075	Beryllium, Total
1076	COD mg/l
1077	Residue, Nonfilterable, Volatile
1078	Bismuth, Total
1079	Boron, Total
1080	Chromium, Hex
1081	Cobalt, Total
1082	Iron, Dissolved
1083	Lithium, Total
1084	Molybdenum, Total
1085	Thallium, Total
1086	Tin, Total
1087	Titanium, Total
1088	Vanadium, Total
1089	MBAS
1090	Oil-Grease, Total
1091	BOD, 5-Day mg/l
1092	TOD mg/l
1093	Phosphorus, Total
1094	Asbestos

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## ***SDWIS -- List Validations By Element***

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1095	Zinc
1901	Carbon Dioxide
1902	Carbon Disulfide
1905	Color
1910	Corrosivity
1914	Calcium Hardness
1915	Hardness, Total (as CaCO <sub>3</sub> )
1916	Hardness, Carbonate
1917	Hardness, Noncarbonate
1918	Hardness, Calcium Magnesium
1919	Calcium
1920	Odor
1925	pH
1927	Alkalinity, Total
1928	Alkalinity, Bicarbonate
1929	Alkalinity, Carbonate
1930	Total Dissolved Solids (TDS)
1931	Alkalinity, Phenolphthalein
1993	Stability Index
1994	Aggressive Index
1995	Scale Forming
1996	Temperature (Centigrade)
1997	Langelier Index (PHS)
1998	Saturation Index
2004	Alachlor ESA
2005	Endrin
2006	Des-ethyl-atrazine
2007	Des-isopropyl-atrazine
2009	4,4-DDE
2010	BHC-gamma (Lindane)
2015	Methoxychlor

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## ***SDWIS -- List Validations By Element***

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2020	Toxaphene
2021	Carbaryl
2022	Methomyl
2023	(Baygon); Propoxur
2024	Methiocarb
2027	Acetochlor
2028	Paraquat
2029	(isopropylamino); Prometon; 2,4-
2030	p-Isopropyltoluene
2031	Dalapon
2032	Diquat
2033	Endothall
2034	Glyphosate
2035	Di(2-Ethylhexyl) Adipate
2036	Oxamyl (Vydate)
2037	Simazine
2038	PAH's
2039	Di(2-Ethylhexyl) Phthalate
2040	Picloram
2041	Dinoseb
2042	Hexachlorocyclopentadiene
2043	Aldicarb Sulfoxide
2044	Aldicarb Sulfone
2045	Metolachlor
2046	Carbofuran
2047	Aldicarb
2048	Hypochlorite Ion
2049	1,4-Dioxane
2050	Atrazine
2051	Alachlor (Lasso)
2052	EPTC (Eptam)



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## *SDWIS -- List Validations By Element*

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2053	Butylate (Sutan)
2054	Cyanazine (Bladex)
2055	Trifluralin
2056	Diazinon (Spectracide)
2057	Lorsban (Chloropyrifos)
2058	Malathion
2059	Azinphos-Methyl (Guthion)
2060	Isofenphos (Oflanol)
2061	Trithion
2062	Ethion
2063	2,3,7,8-TCDD (Dioxin)
2064	Parathion (Ethyl)
2065	Heptachlor
2066	3-Hydroxycarbofuran
2067	Heptachlor Epoxide
2068	Endosulfan I
2069	para-para DDE
2070	Dieldrin
2071	para-para DDD
2072	Endosulfan II
2073	Phosdrin
2074	Endosulfan Sulfate
2075	para-para DDT
2076	Butachlor
2077	Propachlor
2078	Cryptosporidium
2079	Dibromoacetonitrile
2080	Cyanogen Chloride
2081	Amyl Acetate
2082	Butane
2083	Butyl Acetate

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## ***SDWIS -- List Validations By Element***

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2084	n-Butyl Alcohol
2085	sec-Butyl Alcohol
2086	1-Chlorobutane
2087	1-Chlorohexane
2088	Ethyl Acetate
2089	Ethyl Alcohol
2090	Ethyl Ether
2091	Iso-Octane
2092	Isobutyl Acetate
2093	Isobutyl Alcohol
2094	Isopropyl Acetate
2095	Isopropyl Alcohol
2097	AMPA, Aminomethylphosphonic Acid
2098	BROMACIL
2099	(DCPA); DACTHAL;Dimethyl Tetrachl
2100	DPCA mono acid degradate
2101	DPCA di acid degradate
2102	Disulfoton
2103	Diuron
2104	Fonofos
2105	2,4-D
2106	2,4,DB
2107	Triclopyr
2110	2,4,5-TP (Silvex)
2111	2,4,5-T
2112	Mecoprop (Mecopropp, MCPP)
2113	MCPA
2114	Permethrin (Mixed,cis,trans)
2200	2-Nitroaniline
2201	3-Nitroaniline
2202	Dibenzofuran

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## *SDWIS -- List Validations By Element*

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2203	4-Nitroaniline
2204	Azobenzene
2205	Chloramben
2206	Dichlorprop
2207	(Benetin); Benfluralin
2209	Bromoxynil
2210	Chloromethane
2212	Dichlorodifluoromethane
2213	Chlorothalonl
2214	Bromomethane
2215	Chlorpyriphos
2216	Chloroethane
2217	Chlorsulfuron
2218	Trichlorofluoromethane
2219	Trichloroacetonitrile
2220	(Demeton-Co); Dichrotophos
2221	Dimethoate
2222	bis(2-Chloroethyl) Ether
2223	Di-N-Octylphthalate
2224	trans-1,3-Dichloropropene
2225	Hexachloroethane
2226	trans-1,2-Dichloropropene
2227	2-Methyl-4,6-Dinitrophenol
2228	cis-1,3-Dichloropropene
2229	n-Nitrosodiphenylamine
2230	Aniline
2231	Benzyl Alcohol
2232	1,2-Dibromoethylene
2233	2-Methylphenol
2234	2-Chloroethylvinyl Ether
2235	4-Methylphenol

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## ***SDWIS -- List Validations By Element***

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2236	Diiodomethane
2237	Benzoic Acid
2238	Acrolein
2239	4-Chloroaniline
2240	Acrylonitrile
2241	2-Methyl Naphthalene
2242	2,4,5-Trichlorophenol
2243	Acetone
2244	bis(2-Chloroisopropyl) Ether
2245	Isopropyl Ether
2246	Hexachlorobutadiene
2247	Methyl Ethyl Ketone
2248	Naphthalene
2249	Methyl Isobutyl Ketone
2250	bis(2-Chloroethoxy) Methane
2251	Methyl-tert-Butyl-Ether
2252	Ethalfuralin
2253	(Demetonmethyl); Metasystox
2254	Nitrobenzene
2255	Pendimethalin
2256	Propazine
2257	Epichlorohydrin
2258	2-Chloronaphthalene
2259	(1-hydroxynaphthalene); 1-Naphtho
2260	Acenaphthylene
2261	Acenaphthene
2262	Isophorone
2263	Tetrahydrofuran
2264	Fluorene
2265	Acrylamide
2266	2,6-Dinitrotoluene

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## ***SDWIS -- List Validations By Element***

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2267	Prophos
2268	1,2-Diphenylhydrazine
2269	2-Hexanone
2270	2,4-Dinitrotoluene
2271	Tebuthiuron
2272	Terbacil
2273	Trans-Nonachlor
2274	Hexachlorobenzene (HCB)
2275	Trans-permethrin
2276	4-Bromophenyl Phenyl Ether
2277	4-Methyl-2-pentanone
2278	Phenanthrene
2280	Anthracene
2282	Dimethylphthalate
2283	Linuron
2284	Diethylphthalate
2286	Fluoranthene
2288	Pyrene
2290	Di-N-Butylphthalate
2292	Benzidine
2293	Ethyl Methacrylate
2294	Butyl Benzylphthalate
2295	Methyl Methacrylate
2296	Chrysene
2298	bis(2-Ethylhexyl) Phthalate
2300	Benzo (A) Anthracene
2302	Benzo (B) Fluoranthene
2304	Benzo (K) Fluoranthene
2306	Benzo (A) Pyrene
2308	Ideno (1,2,3-Cd) Pyrene
2310	Dibenzo (A,H) Anthracene

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## *SDWIS -- List Validations By Element*

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2312	Benzo (G,H,I) Perylene
2314	n-Nitrosodimethylamine
2316	n-Nitrosodi-N-Propylamine
2318	4-Chloro-Phenyl-Phenyl Ether
2320	3,3-Dichlorobenzidine
2324	bis(Chloromethyl) Ether
2325	Pentane
2326	Pentachlorophenol
2327	Pentachloroethane
2328	2,4-Dinitrophenol
2330	p-Chloro-m-Cresol
2332	2,4,6-Trichlorophenol
2334	2,4-Dichlorophenol
2336	2,4-Dimethylphenol
2340	2-Nitrophenol
2342	4-Nitrophenol
2344	2-Chlorophenol
2346	4,6-Dinitro-o-Cresol
2348	alpha-BHC
2350	beta-BHC
2354	delta-BHC
2356	Aldrin
2365	ortho-para DDE
2367	ortho-para DDD
2369	ortho-para DDT
2370	Kelthane (Dicofal)
2371	Tedion
2372	Endrin Aldehyde
2374	Kerosene
2376	n-Hexane
2377	1,3,5-Trichlorobenzene

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## ***SDWIS -- List Validations By Element***

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2378	1,2,4-Trichlorobenzene
2380	cis-1,2-Dichloroethylene
2383	Total Polychlorinated Biphenyls (
2384	Dechlorobiphenyl
2388	Aroclor 1016
2390	Aroclor 1221
2392	Aroclor 1232
2394	Aroclor 1242
2396	Aroclor 1248
2398	Aroclor 1254
2399	PCB 1262
2400	Aroclor 1260
2401	Dichlorobenzenes, Total
2402	Altyl Chloride (3-chloro-1-propen
2408	Dibromomethane
2410	1,1-Dichloropropene
2412	1,3-Dichloropropane
2413	1,3-Dichloropropene
2414	1,2,3-Trichloropropane
2416	2,2-Dichloropropane
2418	1,2,4-Trimethylbenzene
2419	1,2,3-Trimethylbenzene
2420	1,2,3-Trichlorobenzene
2422	n-Butylbenzene
2424	1,3,5-Trimethylbenzene
2426	tert-Butylbenzene
2428	sec-Butylbenzene
2430	Bromochloromethane
2440	Dicamba
2441	Methane
2442	Methyl Acetate

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## ***SDWIS -- List Validations By Element***

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2443	Methyl Alcohol
2444	Methyl Cellosolve
2445	Propyl Acetate
2446	n-Propyl Alcohol
2447	Vinyl Acetate
2449	(Ethanoic Acid); Acetic Acid
2450	Monochloroacetic Acid
2451	Dichloroacetic Acid
2452	Trichloroacetic Acid
2453	Monobromoacetic Acid
2454	Dibromoacetic Acid
2455	Bromochloroacetic Acid
2456	Total Haloacetic Acids (HAA5)
2460	Chloral Hydrate
2461	Dichloroacetonitrile
2462	Bromochloroacetonitrile
2463	1,1-Dichloropropanone
2464	1,1,1-Trichloropropanone
2465	Chloropicrin
2466	Chloroacetonitrile
2468	Propionitrile
2469	2-Nitropropane
2470	Acetaldehyde
2471	Propanal
2472	Butanal
2473	Pentanal
2474	Glyoxal
2475	Methyl Gloyoxal
2476	Hexanal
2477	Heptanal
2478	Octanal



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## ***SDWIS -- List Validations By Element***

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2479	Benzaldehyde
2480	Nonanal
2481	Decanal
2485	AOC/BDOC
2520	Vinyl 2-Chloroethyl Ether
2545	Counter (Terbufos)
2570	Dyfonate
2590	Mocap
2595	Metribuzin
2605	Phorate (Thimet)
2615	Prowl
2620	Amiben
2625	(Basagran) Bentazon; (1H-2,1,3-be
2626	(Ordram) Molinate; (1H-azepine-1-
2627	(Bolero) Thiobencarb; diethyl-S-(
2635	Bolstar
2650	Dichlorethylene, Total
2655	1,3-Dichloropropylene, Total
2904	Trichlorotrifluoroethane (Freon 1
2905	Foaming Agents (Surfactants)
2910	Phenols
2920	Carbon, Total-Organic
2921	Total Organic Halide (TOX)
2922	UV Absorbance @254 nm
2930	Kepone
2931	1,2 Dibromo-3-Chloropropane (DBCP
2932	Mirex
2933	(Dichloran); (Botran) 2,6-Dichlor
2934	(PCNB); (Terraclor) Pentachlorono
2940	HMPA
2941	Chloroform

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## ***SDWIS -- List Validations By Element***

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2942	Bromoform
2943	Bromodichloromethane
2944	Dibromochloromethane
2946	Ethylene Dibromide (EDB)
2949	Maximum Total Trihalomethane Pote
2950	TTHM
2951	Simulated Distribution System Tes
2955	Xylenes, Total
2959	Chlordane
2960	Ethylene Glycol
2961	Formaldehyde
2962	p-Xylene
2964	Dichloromethane (Methylene Chlори
2965	o-Chlorotoluene
2966	p-Chlorotoluene
2967	m-Dichlorobenzene
2968	o-Dichlorobenzene
2969	p-Dichlorobenzene
2970	trans-1,4-Dichloro-2-butene
2975	Dichloriodomethane
2976	Vinyl Chloride
2977	1,1-Dichloroethylene
2978	1,1-Dichloroethane
2979	trans-1,2-Dichloroethylene
2980	1,2-Dichloroethane
2981	1,1,1-Trichloroethane
2982	Carbon Tetrachloride
2983	1,2-Dichloropropane
2984	Trichloroethylene
2985	1,1,2-Trichloroethane
2986	1,1,1,2-Tetrachloroethane

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## ***SDWIS -- List Validations By Element***

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2987	Tetrachloroethylene
2988	1,1,2,2-Tetrachloroethane
2989	Monochlorobenzene (Chlorobenzene)
2990	Benzene
2991	Toluene
2992	Ethylbenzene
2993	Bromobenzene
2994	Isopropylbenzene
2995	m-Xylene
2996	Styrene
2997	o-Xylene
2998	n-Propylbenzene
2A01	Gasoline
2A02	#2 Fuel Oil
2A03	Jet Fuel
2A04	#4 Fuel Oil
2A05	#5 Fuel Oil
2A06	Motor Oil
2A07	Submersible Pump Oil
2A08	Varsol
2A09	Propane
2U15	15 Unregulated Phase I VOCs
2U34	34 Unregulated Phase I VOCs
2U36	36 Unregulated Phase I VOCs
2V07	7 Regulated Phase I VOCs
2V08	8 Regulated Phase I VOCs
3001	Heterotrophic Bacteria (HPC or SP)
3002	Enterococci /100 ml
3003	Fecal Streptococcus
3004	Staphylococcus
3005	Non-coliform Growth Identificatio

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## ***SDWIS -- List Validations By Element***

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3006	Iron Bacteria Id
3007	Salmonella-Shigella
3008	Giardia Lamblia
3009	Fungus /ml
3010	Virus PFU/gal
3011	Actinomycetes /ml
3012	Legionella
3013	Fecal Coliform
3014	E. Coli (Eschericia Coli)
3015	Cryptosporidium
3200	Acromonas Hydrophila
3210	Helicobacter pylori
3300	Cyanabacteria (blue green algae)
3310	Algae Toxins
3400	Echoviruses
3410	Coxsackieviruses
3420	Caliciviruses
3430	Adenoviruses
3500	Microsporidia
4000	Gross Alpha, Excl. Radon & U
4002	Gross Alpha, Incl. Radon & U
4004	Radon
4006	Combined Uranium
4007	Uranium-234
4008	Uranium-235
4009	Uranium-238
4010	Combined Radium (-226 & -228)
4012	Photon Emitters
4020	Radium-226
4030	Radium-228
4040	Alpha, Dissolved

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## ***SDWIS -- List Validations By Element***

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4041	Alpha, Suspended
4042	Beta, Dissolved
4043	Beta, Suspended
4044	Potassium-40, Total
4100	Gross Beta Particle Activity
4101	Man-Made Beta Particle & Photon E
4102	Tritium
4104	4-Beryllium-7
4106	4-Beryllium-10
4108	6-Carbon-14
4109	Gross Alpha Particle Activity
4110	11-Sodium-22
4112	15-Phosphorus-32
4114	16-Sulfur-35
4116	17-Chlorine-36
4118	20-Calcium-45
4120	20-Calcium-47
4122	21-Scandium-46
4124	21-Scandium-47
4126	21-Scandium-48
4128	23-Vanadium-48
4130	24-Chromium-51
4132	25-Manganese-54
4134	26-Iron-55
4136	26-Iron-59
4138	27-Cobalt-57
4140	27-Cobalt-58
4142	27-Cobalt-60
4144	28-Nickel-59
4146	28-Nickel-63
4148	30-Zinc-65

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## ***SDWIS -- List Validations By Element***

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4150	32-Geranium-71
4152	33-Arsenic-73
4154	33-Arsenic-74
4156	33-Arsenic-76
4158	33-Arsenic-77
4160	34-Selenium-75
4162	34-Selenium-79
4164	35-Bromide-82
4166	37-Rubidium-86
4168	37-Rubidium-87
4170	38-Strontium-85
4172	38-Strontium-89
4174	38-Strontium-90
4176	39-Yttrium-90
4178	39-Yttrium-91
4180	39-Yttrium-91M
4182	40-Zirconium-93
4184	40-Zirconium-95
4186	41-Niobium-93
4188	41-Niobium-95
4190	42-Molybdenum-93
4192	42-Molybdenum-99
4194	43-Technetium-96
4196	43-Technetium-97M
4198	43-Technetium-97
4200	43-Technetium-99
4202	43-Technetium-99M
4204	44-Ruthenium-97
4206	44-Ruthenium-103
4208	44-Ruthenium-106
4210	45-Rhodium-105

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## ***SDWIS -- List Validations By Element***

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4212	46-Palladium-103
4214	46-Palladium-107
4216	47-Silver-105M
4218	47-Silver-110M
4220	47-Silver-110
4222	47-Silver-111
4224	48-Cadmium-109
4226	48-Cadmium-113M
4228	48-Cadmium-115M
4230	48-Cadmium-115
4232	49-Indium-115
4234	50-Tin-113
4236	50-Tin-123
4238	50-Tin-125
4240	51-Antimony-122
4242	51-Antimony-124
4244	51-Antimony-125
4246	51-Antimony-127
4248	52-Tellurium-125M
4250	52-Tellurium-127M
4252	52-Tellurium-127
4254	52-Tellurium-129M
4256	52-Tellurium-129
4258	52-Tellurium-132
4260	53-Iodine-126
4262	53-Iodine-129
4264	53-Iodine-131
4266	55-Cesium-131
4270	55-Cesium-134
4272	55-Cesium-135
4274	55-Cesium-136

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## ***SDWIS -- List Validations By Element***

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4276	55-Cesium-137
4278	56-Barium-140
4280	57-Lanthanum-140
4282	58-Cerium-141
4284	58-Cerium-143
4286	58-Cerium-144
4288	56-Praseodymium-143
4290	60-Neodymium-147
4292	61-Promethium-147
4294	61-Promethium-148
4296	61-Promethium-148M
4298	61-Promethium-149
4300	62-Samarium-151
4302	62-Samarium-153
4304	63-Europium-152
4306	63-Europium-154
4308	63-Europium-155
4310	63-Europium-156
4312	64-Gadolinium-153
4314	65-Terbium-160
4316	66-Dysprosium-166
4318	67-Holmium-166
4320	67-Holmium-166M
4322	68-Erbium-169
4324	69-Thulium-170
4326	69-Thulium-171
4328	70-Ytterbium-175
4330	71-Lutetium-177
4332	72-Hafnium-181
4334	73-Tantalum-182
4336	74-Tungsten-181



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## *SDWIS -- List Validations By Element*

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4338	74-Tungsten-185
4340	74-Tungsten-187
4342	75-Rhenium-183
4344	75-Rhenium-186
4346	75-Rhenium-187
4348	76-Osmium-185
4350	76-Osmium-191
4352	76-Osmium-193
4354	77-Iridium-190
4356	77-Iridium-192
4358	78-Platinum-191
4360	78-Platinum-193M
4362	78-Platinum-193
4364	79-Gold-196
4366	79-Gold-198
4368	81-Thallium-204
4370	82-Lead-203
4372	82-Lead-210
4374	83-Bismuth-206
4376	83-Bismuth-207
4378	83-Bismuth-210
4380	84-Polonium-210
4382	91-Protactinium-233
CU90	Copper Action Level Exceedance
PB90	Lead 90th Percentile Value

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *SAMPLE DATE* **Data Type:** *Date(YYYYMMDD)*  
**Description:** *The calendar date on which the sample was collected. For lead and copper samples, the calendar date of the last day of the monitoring period in which 90th percentile data was acquired.* **Length:** *8*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51700	If the results for this sample do not include the Sample Contaminant is PB90 or CU90, the sample date shall be after 01/01/1983.	X-Object	National System
R51710	The system shall prevent a second PB90 sample within 30-days of the original sample (i.e., a new PB90 sample cannot be inserted when its sample date is within 30-days before or after the End Date of an existing PB90 sample.).	Field	National System
R51720	If the results for this sample include the Sample Contaminant PB90 or CU90, the Sample Date shall be after 12/31/1991.	X-Object	FedRep
R51730	If the results for this sample does not include the Sample Contaminant is PB90 or CU90, the sample date shall be on or before the current date.	X-Object	FedRep

**Element Name:** *SAMPLE ID* **Data Type:** *Alphanumeric*  
**Description:** *A qualifier used to uniquely identify a specific sampling occurrence related to a PWS.* **Length:** *20*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *SAMPLE RESULT SIGN* **Data Type:** *Alphanumeric*  
**Description:** *A sign value used to indicate the detection limit reported for data element SAMPLE ANALYSIS RESULT.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
<	Below minimum detection limits
=	Exactly equal to the value reported

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51740	Sample Result Sign is required if the Sample Contaminant is a permitted value other than PB90 or CU90.	X-Field	FedRep

## ***SDWIS -- List Validations By Element***

**Element Name:** *SAMPLE TYPE* **Data Type:** *Alphanumeric*  
**Description:** *A code value that represents the type of sample collected.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
F	Finished water sample
R	Raw water sample

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51810	If the results for this sample include the Sample Contaminants PB90 or CU90, the Sample Type shall be prohibited.	X-Object	FedRep

**Element Name:** *SAMPLING RECONCILIATION ID* **Data Type:** *Alphanumeric*  
**Description:** *An identifier used for reconciliation with the state data system or LAB assigned identifiers.* **Length:** *40*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *SCHEDULE RULE CODE* **Data Type:** *Alpha*  
**Description:** *Schedule Rule Code is the 4 letter code that identifies the rule associated with the schedule.* **Length:** *4*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
CCR	Consumer Confidence Rule
CHRD	Chemical and Radionuclide
DBPR	Disinfectants ByProducts Rule
IESW	Interim Enhanced Surface Water Treatment Rule
LEAD	Lead
NITR	Nitrate-Nitrite
PNR	Public Notice Rule
SWTR	Surface Water Treatment Rule
TCR	Total Coliform Rule
UNRG	Unregulated

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *SCHEDULE STATUS* **Data Type:** *Alphanumeric*  
**Description:** *Schedule Status designates that the schedule is currently in effect (final) or has been replaced by another schedule (superseded).* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
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F	Final
S	Superseded

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *SELLER PWS ID* **Data Type:** *Alphanumeric*  
**Description:** *An alphanumeric value that represents the ID# of a PWS from whom raw or treated water is purchased.* **Length:** *9*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50470	The submission of the Seller PWS ID shall be required for a purchased source (Facility Type Code = CC or NP).	X-Field	FedRep
R50480	The submission of the Seller PWS ID shall be prohibited for a non-purchased source (Facility Type Code not = CC and NP).	X-Field	FedRep
R52200	A water system shall be prohibited from selling water to itself (i.e., the PWS ID and the Seller PWS ID cannot be the same).	X-Field	FedRep
R52210	The Seller PWS ID shall be an active water system.	X-Object	National System

## ***SDWIS -- List Validations By Element***

**Element Name:** *SELLER SOURCE TREATMENT CODE* **Data Type:** *Alphanumeric*  
**Description:** *This indicator is applicable to purchased sources only and indicates whether the seller is or is not treating the source or whether the seller treatment status is unknown. Applies only to source facilities. Y = Treated N = Not Treated F=Filtered.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
F	Filtered
N	No - Not treated
Y	Yes - Is Treated

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50530	The submission of the Seller Source Treatment Code shall be required for purchased sources (Facility Type Code = CC or NP).	X-Field	FedRep
R51980	The submission of the Seller Source Treatment Code shall be prohibited for a non-purchased source (Facility Type Code not = CC and NP).	X-Field	FedRep

**Element Name:** *SERVICE AREA ZIP CODE* **Data Type:** *Numeric*  
**Description:** *The zip code of the population served by the water system.* **Length:** *5*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R52100	The Retail Population Served Zip Code must be exactly 5 characters in length.	Field	FedRep

**Element Name:** *SITE VISIT COMMENT* **Data Type:** *Alphanumeric*  
**Description:** *An alphanumeric value that represents any description, characteristic, or attribute that the State or EPA region wants to record for the site visit.* **Length:** *2000*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** SOURCE MAP SCALE

**Data Type:** Alphanumeric

**Description:** Scale of the map used to determine the latitude and longitude coordinates.

**Length:** 2

**Decimal Precision:** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
1	>= 1:500
2	BETWEEN 1:500 AND 1:5,000
3	BETWEEN 1:5,000 AND 1:10,000
4	BETWEEN 1:10,000 AND 1:15,000
5	BETWEEN 1:15000 AND 1:20,000
6	BETWEEN 1:20,000 AND 1:25,000
7	BETWEEN 1:25,000 AND 1:50,000
8	BETWEEN 1:50,000 AND 1:100,000
9	<1:100,000
A	1:10,000
B	1:12,000
C	1:15,840
D	1:20,000
E	1:24,000
F	1:25,000
G	1:50,000
H	1:62,500
I	1:63,360
J	1:100,000
K	1:125,000
L	1:250,000
M	1:500,000
NA	SCALE NOT APPLICABLE TO COLLECTION METHOD

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssigmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *SOURCE TREATED CODE* **Data Type:** *Alphanumeric*  
**Description:** *An indicator associated with a water system source facility used to specify that a source is not being treated.* **Length:** *1*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
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N	Not Treated
Y	Treated

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50510	The Source Treated Code shall be allowed only for source facilities (Facility Type Code = CC, NP, IG, IN, RC, RS, SP, WL, NN).	X-Field	Unassigned
R50520	Source Treated Code = 'N' shall be rejected if the source flows directly or through a chain to a treatment plant with treatment(s).	X-Object	National System

**Element Name:** *SOURCE TYPE* **Data Type:** *Alphanumeric*  
**Description:** *A code value which indicates the type of source from which an unregulated contaminant monitoring sample was taken.* **Length:** *3*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
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GU	Ground water UDI of surface water
GW	Ground Water
SW	Surface Water

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R51790	If the results for this sample include the Sample Contaminants PB90 or CU90, the Source Type shall be prohibited.	X-Object	FedRep

**Element Name:** *STATE DATABASE FACILITY ID* **Data Type:** *Alphanumeric*  
**Description:** *The ID that a state uses to identify a facility in their own state system database.* **Length:** *40*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** TELEPHONE EXTENSION NUMBER **Data Type:** Alphanumeric  
**Description:** The number assigned within an organization to extend the external telephone-number. **Length:** 5  
**Decimal Precision:** 0

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** TELEPHONE NUMBER **Data Type:** Alphanumeric  
**Description:** The telephone number of a water system or the system's primary contact. **Length:** 15  
**Decimal Precision:** 0

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** TREATMENT COMMENT **Data Type:** Alphanumeric  
**Description:** Describes a treatment combination or process. **Length:** 2000  
**Decimal Precision:** 0

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50550	The submission of an Treatment Comment shall be required for an innovative treatment (Treatment Process = "999."	X-Field	FedRep

**Element Name:** TREATMENT ID **Data Type:** Alphanumeric  
**Description:** A numeric value used to uniquely identify a specific treatment applied to a source of water for a public water system. **Length:** 20  
**Decimal Precision:** 0

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50540	Each Treatment Objective and Treatment Process shall be uniquely identified within each water system facility treatment plant by Treatment ID.	X-Object	FedRep



## ***SDWIS -- List Validations By Element***

**Element Name:** TREATMENT OBJECTIVE

**Data Type:** Alphanumeric

**Description:** A coded value that categorizes the treatment objective to be attained through treatment of a source of water. Examples include objectives such as disinfection, particulate removal, corrosion control, softening, etc.

**Length:** 1

**Decimal Precision:** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
B	DISINFECTION BY-PRODUCTS CONTROL
C	CORROSION CONTROL
D	DISINFECTION
E	DECHLORINATION
F	IRON REMOVAL
I	INORGANICS REMOVAL
M	MANGANESE REMOVAL
O	ORGANICS REMOVAL
P	PARTICULATE REMOVAL
R	RADIONUCLIDES REMOVAL
S	SOFTENING (HARDNESS REMOVAL)
T	TASTE / ODOR CONTROL
Z	OTHER

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

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## ***SDWIS -- List Validations By Element***

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**Element Name:** TREATMENT PROCESS

**Data Type:** Numeric

**Description:** A coded value that categorizes the treatment process to be applied to a source of water for a PWS.

**Length:** 3  
**Decimal Precision:** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
100	ACTIVATED ALUMINA
121	ACTIVATED CARBON, GRANULAR
125	ACTIVATED CARBON, POWDERED
141	AERATION, CASCADE
143	AERATION, DIFFUSED
145	AERATION, PACKED TOWER
147	AERATION, SLAT TRAY
149	AERATION, SPRAY
160	ALGAE CONTROL
180	BONE CHAR
190	BROMINIZATION (SPECIAL USE)
200	CHLORAMINES
220	CHLORINE DIOXIDE
240	COAGULATION
300	DISTILLATION
320	ELECTRODIALYSIS
341	FILTRATION, CARTRIDGE
342	FILTRATION, DIATOMACEOUS EARTH
343	FILTRATION, GREENSAND
344	FILTRATION, PRESSURE SAND
345	FILTRATION, RAPID SAND
346	FILTRATION, SLOW SAND
347	FILTRATION, ULTRAFILTRATION
348	FILTERED
360	FLOCCULATION
380	FLUORIDATION
401	GASEOUS CHLORINATION, POST

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## ***SDWIS -- List Validations By Element***

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403	GASEOUS CHLORINATION, PRE
421	HYPOCHLORINATION, POST
423	HYPOCHLORINATION, PRE
441	INHIBITOR, BIMETALLIC PHOSPHATE
443	INHIBITOR, HEXAMETAPHOSPHATE
445	INHIBITOR, ORTHOPHOSPHATE
447	INHIBITOR, POLYPHOSPHATE
449	INHIBITOR, SILICATE
455	IODINE
460	ION EXCHANGE
461	CHLORINATION (FRDS-1.5)
473	CONVERTED (FRDS-1.5)
500	LIME - SODA ASH ADDITION
520	MICROSCREENING
541	OZONATION, POST
543	OZONATION, PRE
560	PERMANGANATE
580	PEROXIDE
600	RAPID MIX
620	REDUCING AGENTS
623	REDUCING AGENT, SODIUM BISULFATE
625	REDUCING AGENT, SODIUM SULFITE
627	REDUCING AGENT, SULFUR DIOXIDE
640	REVERSE OSMOSIS
660	SEDIMENTATION
680	SEQUESTRATION
700	SLUDGE TREATMENT
720	ULTRAVIOLET RADIATION
740	PH ADJUSTMENT
741	PH ADJUSTMENT, POST
742	PH ADJUSTMENT, PRE

## *SDWIS -- List Validations By Element*

999 INNOVATIVE

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
	"None"		

**Element Name:** *TRIBAL CODE* **Data Type:** *Alphanumeric*

**Description:** *A code value that represents an Indian reservation or Alaska remote village, if any, being served by a public water system in whole or in part.* **Length:** *3*  
**Decimal Precision:** *0*

<i>Permitted Value</i>	<i>Description</i>
	Codes values from the data standards organization.

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
	"None"		

**Element Name:** *UNIT OF MEASURE* **Data Type:** *Alphanumeric*

**Description:** *The unit of measure (UM) that is associated with the value reported for SAMPLE ANALYSIS RESULT (C2111).* **Length:** *4*  
**Decimal Precision:** *0*

<i>Permitted Value</i>	<i>Description</i>
MG/L	mg/l - milligrams/liter (parts per million)
UG/L	ug/l - micrograms/liter (parts per billion)

<i>Rqmt ID</i>	<i>ValidationText</i>	<i>ValidatonType</i>	<i>AssignmentOfEdit</i>
R51780	Unit of Measure is prohibited if the Sample Contaminant is PB90 or CU90. Otherwise, it is required.	X-Field	FedRep

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## ***SDWIS -- List Validations By Element***

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**Element Name:** *US STATE AND CANADIAN PROVINCE COD* **Data Type:** *Alpha*  
**Description:** *A coded value that represents the U.S. Postal Service (USPS) State abbreviation or the Canadian Province State abbreviation in which a legal entity is located.* **Length:** *2*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
USPS	United States Postal Service ( USPS = State Code)
USPS = AK	Alaska
USPS = AL	Alabama
USPS = AR	Arkansas
USPS = AS	American Samoa
USPS = AZ	Arizona
USPS = CA	California
USPS = CO	Colorado
USPS = CT	Connecticut
USPS = DC	District of Columbia
USPS = DE	Delaware
USPS = FL	Florida
USPS = FM	Federated States of Micronesia
USPS = GA	Georgia
USPS = GU	Guam
USPS = HI	Hawaii
USPS = IA	Iowa
USPS = ID	Idaho
USPS = IL	Illinois
USPS = IN	Indiana
USPS = KS	Kansas
USPS = KY	Kentucky
USPS = LA	Louisiana
USPS = MA	Massachusetts
USPS = MD	Maryland
USPS = ME	Maine

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## ***SDWIS -- List Validations By Element***

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USPS = MH	Marshall Islands, Republic of the
USPS = MI	Michigan
USPS = MN	Minnesota
USPS = MO	Missouri
USPS = MP	Northern Mariana Islands
USPS = MS	Mississippi
USPS = MT	Montana
USPS = NC	North Carolina
USPS = ND	North Dakota
USPS = NE	Nebraska
USPS = NH	New Hampshire
USPS = NJ	New Jersey
USPS = NM	New Mexico
USPS = NV	Nevada
USPS = NY	New York
USPS = OH	Ohio
USPS = OK	Oklahoma
USPS = OR	Oregon
USPS = PA	Pennsylvania
USPS = PR	Puerto Rico
USPS = PW	Palau, Republic of
USPS = RI	Rhode Island
USPS = SC	South Carolina
USPS = SD	South Dakota
USPS = TN	Tennessee
USPS = TX	Texas
USPS = UT	Utah
USPS = VA	Virginia
USPS = VI	Virgin Islands of the U.S.
USPS = VT	Vermont
USPS = WA	Washington

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## ***SDWIS -- List Validations By Element***

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USPS = WI	Wisconsin
USPS = WV	West Virginia
USPS = WY	Wyoming
CPC	Canadian Province Codes (CPC = Province Code)
CPC = AL	Alberta
CPC = BC	British Columbia
CPC = MB	Manitoba
CPC = NB	New Brunswick
CPC = NF	Newfoundland
CPC = NS	Nova Scotia
CPC = NT	Northwest Territories
CPC = ON	Ontario
CPC = PE	Prince Edward Island
CPC = PQ	Quebec
CPC = SK	Saskatchewan
CPC = YT	Yukon Territory

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

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## ***SDWIS -- List Validations By Element***

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**Element Name:** *US STATE CODE*

**Data Type:** *Alphanumeric*

**Description:** *A coded value that represents the U.S. Postal Service (USPS) State abbreviation in which the city served by a Water System is located.*

**Length:** *2*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
USPS = AK	Alaska
USPS = AL	Alabama
USPS = AR	Arkansas
USPS = AS	American Samoa
USPS = AZ	Arizona
USPS = CA	California
USPS = CO	Colorado
USPS = CT	Connecticut
USPS = DC	District of Columbia
USPS = DE	Delaware
USPS = FL	Florida
USPS = FM	Federated States of Micronesia
USPS = GA	Georgia
USPS = GU	Guam
USPS = HI	Hawaii
USPS = IA	Iowa
USPS = ID	Idaho
USPS = IL	Illinois
USPS = IN	Indiana
USPS = KS	Kansas
USPS = KY	Kentucky
USPS = LA	Louisiana
USPS = MA	Massachusetts
USPS = MD	Maryland
USPS = ME	Maine
USPS = MH	Marshall Islands, Republic of the
USPS = MI	Michigan



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## ***SDWIS -- List Validations By Element***

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USPS = MN	Minnesota
USPS = MO	Missouri
USPS = MP	Northern Mariana Islands
USPS = MS	Mississippi
USPS = MT	Montana
USPS = NC	North Carolina
USPS = ND	North Dakota
USPS = NE	Nebraska
USPS = NH	New Hampshire
USPS = NJ	New Jersey
USPS = NM	New Mexico
USPS = NV	Nevada
USPS = NY	New York
USPS = OH	Ohio
USPS = OK	Oklahoma
USPS = OR	Oregon
USPS = PA	Pennsylvania
USPS = PR	Puerto Rico
USPS = PW	Palau, Republic of
USPS = RI	Rhode Island
USPS = SC	South Carolina
USPS = SD	South Dakota
USPS = TN	Tennessee
USPS = TX	Texas
USPS = UT	Utah
USPS = VA	Virginia
USPS = VI	Virgin Islands of the U.S.
USPS = VT	Vermont
USPS = WA	Washington
USPS = WI	Wisconsin
USPS = WV	West Virginia

## ***SDWIS -- List Validations By Element***

USPS = WY

Wyoming

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

***Element Name:*** VERIFICATION METHOD CODE ***Data Type:*** Alphanumeric

***Description:*** A code representing the process by which the latitude and longitude coordinates have been verified by EPA, grantees, or contractors. ***Length:*** 3  
***Decimal Precision:*** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
001	PROXIMITY TO POLYGON CENTROID (COUNTY)
002	PROXIMITY TO ALTERNATIVE FACILITY COORDINATE
003	PROXIMITY TO POLYGON CENTROID (OTHER)
004	POINT IN POLYGON (OTHER)
005	POINT IN POLYGON (COUNTY)
006	POINT IN POLYGON (ZIP)
007	VERIFIED RELATIVE TO MAP FEATURES (1:24,000)
008	VERIFIED RELATIVE TO MAP FEATURES (1:100,000 OR TIGER)
009	VERIFIED RELATIVE TO MAP FEATURES (OTHER)
010	VERIFIED, UNKNOWN METHOD
011	GROUND TRUTH CONDUCTED
012	PROXIMITY TO POLYGON CENTROID (ZIP CODE)
013	POINT IN BOUNDING BOX (ZIP)
014	POINT IN BOUNDING BOX (COUNTY)

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

***Element Name:*** VERTICAL ACCURACY MEASURE ***Data Type:*** Numeric

***Description:*** Quantitative measurement of the amount of deviation from true value in the vertical measure (estimate of error). It describes the correctness of the vertical measure, in meters. ***Length:*** 7  
***Decimal Precision:*** 2

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

## ***SDWIS -- List Validations By Element***

**Element Name:** *VERTICAL COLLECTION METHOD CODE* **Data Type:** *Alphanumeric*  
**Description:** *Code representing the method used to determine the vertical measure.* **Length:** *3*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
001	GPS CARRIER PHASE STATIC RELATIVE POSITIONING TECHNIQUE
002	GPS CARRIER PHASE KINEMATIC RELATIVE POSITIONING TECHNIQUE
003	GPS CODE MEASUREMENTS (PSEUDO RANGE) DIFFERENTIALLY CORRECTED
004	GPS CODE MEASUREMENTS (PSEUDO RANGE) PRECISE POSITIONING SERVICE
005	GPS CODE MEASUREMENTS (PSEUDO RANGE) STANDARD POSITIONING SERVICE (SA OFF)
006	GPS CODE MEASUREMENTS (PSEUDO RANGE) STANDARD POSITIONING SERVICE (SA ON)
007	CLASSICAL SURVEYING TECHNIQUES
008	OTHER, UNSPECIFIED
009	ALTIMETRY
010	PRECISE LEVELING FROM A BENCHMARK
011	LEVELING BETWEEN NON BENCHMARK CONTROL POINTS
012	TRIGONOMETRIC LEVELING
013	PHOTOGRAMMETRIC
014	TOPOGRAPHIC MAP INTERPOLATION

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *VERTICAL MEASURE* **Data Type:** *Numeric*  
**Description:** *Vertical distance from the vertical datum to the land surface or other measuring point, in meters.* **Length:** *7*  
**Decimal Precision:** *2*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50410	Vertical Measures shall be formatted as SMMMMM.MM where S is the sign and MMMMMM.MM is the numerical vertical measure.	Field	FedRep
R50420	The sign S in SMMMMM.MM shall be "+" or "-".	X-Field	FedRep
R50430	Vertical Measure shall be required if Vertical	X-Field	FedRep

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## ***SDWIS -- List Validations By Element***

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Collection Method Code, and/or Vertical Accuracy Measure, and/or Vertical Reference Datum Code is present.

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***Element Name:*** *VERTICAL REFERENCE DATUM CODE* ***Data Type:*** *Alphanumeric*

***Description:*** *Code representing which national reference standard for vertical control established by the U.S. National Geodetic Survey (NGS) is used to determine the vertical measure.* ***Length:*** *3*  
***Decimal Precision:*** *0*

<b><i>Permitted Value</i></b>	<b><i>Description</i></b>
001	NAVD 88
002	NGVD 29
003	ELEVATION FROM MEAN SEA-LEVEL
004	LOCAL TIDAL DATUM

<b><i>Rqmt ID</i></b>	<b><i>ValidationText</i></b>	<b><i>ValidatonType</i></b>	<b><i>AssignmentOfEdit</i></b>
	"None"		

---

***Element Name:*** *VIOLATION ID* ***Data Type:*** *Alphanumeric*

***Description:*** *An alphanumeric value used to uniquely identify a specific violation of a primary drinking water regulation incurred by a public water system.* ***Length:*** *20*  
***Decimal Precision:*** *0*

<b><i>Rqmt ID</i></b>	<b><i>ValidationText</i></b>	<b><i>ValidatonType</i></b>	<b><i>AssignmentOfEdit</i></b>
	"None"		

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## ***SDWIS -- List Validations By Element***

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**Element Name:** VIOLATION TYPE

**Data Type:** Alphanumeric

**Description:** A coded value which categorizes a violation.

**Length:** 2

**Decimal Precision:** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
01	MCL, Single Sample
02	MCL, Average
03	Monitoring, Regular
04	Monitoring, Check/Repeat/Confirmation
05	Notification, State
06	Notification, Public
07	Treatment Techniques
08	Variance/Exemption/Other Compliance
09	Record Keeping
10	Operations Report
11	Non-Acute MRDL
12	Treatment Technique No Certification
13	Acute MRDL
21	MCL, Acute (TCR)
22	MCL, Monthly (TCR)
23	Monitoring, Routine Major (TCR)
24	Monitoring, Routine Minor (TCR)
25	Monitoring, Repeat Major (TCR)
26	Monitoring, Repeat Minor (TCR)
27	Monitoring and Reporting Stage 1
28	Sanitary Survey (TCR)
29	M&R Filter Profile/CPE Failure
31	Monitoring, Routine/Repeat (SWTR-Unfilt)
36	Monitoring, Routine/Repeat (SWTR-Filter)
37	Treatment Technique State Prior Approval
38	M&R Filter Turbidity Reporting
41	Treatment Technique (SWTR)

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## ***SDWIS -- List Validations By Element***

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42	Failure to Filter (SWTR)
43	Treatment Technique Exceeds Turb 1 NTU
44	Treatment Technique Exceeds Turb 0.3 NTU
46	Treatment Technique Precursor Removal
47	Treatment Technique Uncovered Reservoir
51	Initial Tap Sampling for Pb and Cu
52	Follow-up and Routine Tap Sampling
53	Water Quality Parameter M & R
56	Initial, Follow-up, or Routine SOWT M&R
57	OCCT/SOWT Recommendation
58	OCCT/SOWT Installation
59	Water Quality Parameter Non-Compliance
63	MPL Non-Compliance
64	Lead Service Line Replacement (LSLR)
65	Public Education
71	CCR Complete Failure to Report
72	CCR Inadequate Reporting
75	PN Violation for an NPDWR Violation
76	Other Non-NPDWR Potential Health Risks

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50640	If the Contaminant Codes is 0300, the Violation Type of 09 shall be prohibited.	X-Field	FedRep
R50650	If the Contaminant Code is 0999, the Violation Type shall be 11 or 27.	X-Field	FedRep

## ***SDWIS -- List Validations By Element***

**Element Name:** *VISIT AGENCY TYPE* **Data Type:** *Alphanumeric*  
**Description:** *A coded value that represents the type of agency that conducted the Site Visit.* **Length:** *2*  
**Decimal Precision:** *0*

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
HQ	EPA Headquarters
IN	Interstate Agency
LC	Local Agency
OF	Other Federal. Another agency of the United States.
OP	Outside Party
RG	EPA Region
ST	State
TR	Tribal Government Agency

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

**Element Name:** *VISIT DATE* **Data Type:** *Date(YYYYMMDD)*  
**Description:** *A value that represents the calendar date on which a visit was made to a PWS.* **Length:** *8*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
R50610	The Visit Date shall not be a future date.	Field	FedRep

**Element Name:** *VISIT ID* **Data Type:** *Alphanumeric*  
**Description:** *A value used to uniquely identify a specific on-site visit made to a PWS.* **Length:** *20*  
**Decimal Precision:** *0*

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

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## ***SDWIS -- List Validations By Element***

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**Element Name:** VISIT REASON

**Data Type:** Alphanumeric

**Description:** A code value representing the reason a visit was made to a PWS.

**Length:** 4

**Decimal Precision:** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
CAPD	Capacity Development Assessment
CNST	Construction Inspection
CPEV	Comprehensive Performance Evaluation (CPE)
EMRG	Emergency Assistance
ENGR	Engineering Determination/Advice/Plan Review
FENF	Formal Enforcement
IENF	Informal Enforcement
INFI	Informal System Inspection
INVG	Investigation (Complaint/Violation/etc.)
LABC	Laboratory Certification
LABI	Laboratory Inspection
LOCD	Locational Data Collection
NEED	Needs Survey
O&M	Operation and Maintenance
OTHR	Other
PRMT	Permit (Qualification/Review/Compliance)
PUBH	Public Hearing
RCDR	Record Review
RSCH	Regularly Scheduled
SHAZ	Sanitary Hazards Investigation
SITE	Site Inspection
SMPL	Sample Collection
SNSV	Sanitary Survey
SRCE	Source Water Inspection
SRF	State Revolving Fund
SSVF	Sanitary Surver Follow-up
TECH	Technical Assistance (Non-Specific)



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## ***SDWIS -- List Validations By Element***

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TRNG	Training
TRTP	Water Treatment Plant Site Visit
VAEX	Variance/Exemption related
WHPP	Wellhead Protection Program
WSHD	Watershed Evaluation
XCON	Cross Connection Inspection/Investigation

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		

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***Element Name:*** WHOLESALEROFWATER ***Data Type:*** Alphanumeric

***Description:*** Indicates whether the water system is a wholesaler of water. ***Length:*** 1

***Decimal Precision:*** 0

<i><b>Permitted Value</b></i>	<i><b>Description</b></i>
N	No
Y	Yes

<i><b>Rqmt ID</b></i>	<i><b>ValidationText</b></i>	<i><b>ValidatonType</b></i>	<i><b>AssignmentOfEdit</b></i>
	"None"		