

GEMS Parm#	Parameter Description	Parm Abbrev.	Units	CAS#	PAL	ENF	STD	Date Changed
<u>77493</u>	<u>ALPHA-TERPINEOL IN WHOLE WATER SAMPLE (UG/L)</u>	<u>ALPHA-TERPINEOL</u>	<u>ug/L</u>	<u>98555</u>				01/11/2005
<u>99753</u>	<u>CIS-DIALLATE IN WHOLE WATER SAMPLE (UG/L)</u>	<u>CIS-DIALLATE</u>	<u>ug/L</u>	<u>17708575</u>				02/18/2005
<u>99754</u>	<u>TRANS-DIALLATE IN WHOLE WATER SAMPLE (UG/L)</u>	<u>TRANS-DIALLATE</u>	<u>ug/L</u>	<u>17708586</u>				02/18/2005
<u>77655</u>	<u>2-CHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L)</u>	<u>PCB CONG#001</u>	<u>ug/L</u>	<u>2051607</u>				03/29/2005
<u>99755</u>	<u>2,3-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L)</u>	<u>PCB CONG#005</u>	<u>ug/L</u>	<u>16605917</u>				03/29/2005
<u>99756</u>	<u>2,4'-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L)</u>	<u>PCB CONG#008</u>	<u>ug/L</u>	<u>34883437</u>				03/29/2005
<u>85704</u>	<u>2,2',5-TRICHLOROBIPHENYL IN WHOLE WATER SAMPL(UG/L)</u>	<u>PCB CONG#018</u>	<u>ug/L</u>	<u>37680652</u>				03/29/2005
<u>77812</u>	<u>2,4',5-TRICHLOROBIPHENYL IN WHOLE WATER SAMPL(UG/L)</u>	<u>PCB CONG#031</u>	<u>ug/L</u>	<u>16606023</u>				03/29/2005
<u>77841</u>	<u>2,2',3,5'-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L)</u>	<u>PCB CONG#044</u>	<u>ug/L</u>	<u>41464395</u>				03/29/2005
<u>85714</u>	<u>2,2',5,5'-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L)</u>	<u>PCB CONG#052</u>	<u>ug/L</u>	<u>35693993</u>				03/29/2005
<u>77838</u>	<u>2,3',4,4'-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L)</u>	<u>PCB CONG#066</u>	<u>ug/L</u>	<u>32598100</u>				03/29/2005
<u>77837</u>	<u>3,3',4,4'-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L)</u>	<u>PCB CONG#077</u>	<u>ug/L</u>	<u>32598133</u>				03/29/2005
<u>99757</u>	<u>3,4,4',5-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L)</u>	<u>PCB CONG#081</u>	<u>ug/L</u>	<u>70362504</u>				03/29/2005
<u>77876</u>	<u>2,2',3,4,5'-PENTACHLOROBIPHENYL IN WHLWTRSMPL(UG/L)</u>	<u>PCB CONG#087</u>	<u>ug/L</u>	<u>38380028</u>				03/29/2005
<u>77880</u>	<u>2,2',3,5',6-PENTACHLOROBIPHENYL IN WHLWTRSMPL(UG/L)</u>	<u>PCB CONG#095</u>	<u>ug/L</u>	<u>38379996</u>				03/29/2005
<u>77874</u>	<u>2,2',4,5,5'-PENTACHLOROBIPHENYL IN WHLWTRSMPL(UG/L)</u>	<u>PCB CONG#101</u>	<u>ug/L</u>	<u>37680732</u>				03/29/2005
<u>99758</u>	<u>2,3,3',4',6-PENTACHLOROBIPHENYL IN WHLWTRSMPL(UG/L)</u>	<u>PCB CONG#110</u>	<u>ug/L</u>	<u>38380039</u>				03/29/2005
<u>85732</u>	<u>2,3',4,4',5-PENTACHLOROBIPHENYL IN WHLWTRSMPL(UG/L)</u>	<u>PCB CONG#118</u>	<u>ug/L</u>	<u>31508006</u>				03/29/2005
<u>85735</u>	<u>22'344'5'/233'4'56-HEXACHLOROBIPHENYLWHWTRSMPL(UG/L)</u>	<u>PCB CONG#138/163</u>	<u>ug/L</u>					03/29/2005
<u>77898</u>	<u>2,2',3,4,5,5'-HEXACHLOROBIPHENYL WHLWTRSMPL(UG/L)</u>	<u>PCB CONG#141</u>	<u>ug/L</u>	<u>52712046</u>				03/29/2005
<u>85729</u>	<u>2,2',3,5,5',6-HEXACHLOROBIPHENYL WHLWTRSMPL(UG/L)</u>	<u>PCB CONG#151</u>	<u>ug/L</u>	<u>52663635</u>				03/29/2005

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<u>77893</u>	<u>2,2',4,4',5,5'-HEXACHLOROBIPHENYL WHLWTRSMPL(UG/L)</u>	<u>PCB CONG#153</u>	<u>ug/L</u>	<u>35065271</u>				<u>03/29/2005</u>
<u>99172</u>	<u>2,3',4,4',5,5'-HEXACHLOROBIPHENYL WHLWTRSMPL(UG/L)</u>	<u>PCB CONG#167</u>	<u>ug/L</u>	<u>52663726</u>				<u>03/29/2005</u>
<u>99759</u>	<u>2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL WHWTRSMPL(UG/L)</u>	<u>PCB CONG#170</u>	<u>ug/L</u>	<u>35065306</u>				<u>03/29/2005</u>
<u>85744</u>	<u>2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL WHWTRSMPL(UG/L)</u>	<u>PCB CONG#180</u>	<u>ug/L</u>	<u>35065293</u>				<u>03/29/2005</u>
<u>99760</u>	<u>2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL WHWTRSMPL(UG/L)</u>	<u>PCB CONG#182</u>	<u>ug/L</u>	<u>60145235</u>				<u>03/29/2005</u>
<u>85739</u>	<u>2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL WHWTRSMPL(UG/L)</u>	<u>PCB CONG#183</u>	<u>ug/L</u>	<u>52663691</u>				<u>03/29/2005</u>
<u>99761</u>	<u>2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL WHWTRSMPL(UG/L)</u>	<u>PCB CONG#184</u>	<u>ug/L</u>	<u>74472483</u>				<u>03/29/2005</u>
<u>99762</u>	<u>2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL WHWTRSMPL(UG/L)</u>	<u>PCB CONG#187</u>	<u>ug/L</u>	<u>52663680</u>				<u>03/29/2005</u>
<u>85750</u>	<u>2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL WWS(UG/L)</u>	<u>PCB CONG#206</u>	<u>ug/L</u>	<u>40186729</u>				<u>03/29/2005</u>
<u>99779</u>	<u>ACROLEIN IN AIR SAMPLE (NL/L)</u>	<u>ACROLEIN</u>	<u>nL/L</u>	<u>107028</u>				<u>05/02/2005</u>
<u>99769</u>	<u>METHYL IODIDE IN AIR SAMPLE (NL/L)</u>	<u>METHYL IODIDE</u>	<u>nL/L</u>	<u>74884</u>				<u>05/02/2005</u>
<u>99970</u>	<u>ALLYL CHLORIDE IN AIR SAMPLE (NL/L)</u>	<u>ALLYL CHLORIDE</u>	<u>nL/L</u>	<u>107051</u>				<u>05/02/2005</u>
<u>99770</u>	<u>ACETONITRILE IN AIR SAMPLE (NL/L)</u>	<u>ACETONITRILE</u>	<u>nL/L</u>	<u>75058</u>				<u>05/02/2005</u>
<u>99771</u>	<u>ACRYLONITRILE IN AIR SAMPLE (NL/L)</u>	<u>ACRYLONITRILE</u>	<u>nL/L</u>	<u>107131</u>				<u>05/02/2005</u>
<u>99348</u>	<u>CHLOROPRENE IN AIR SAMPLE (NL/L)</u>	<u>CHLOROPRENE</u>	<u>nL/L</u>	<u>126998</u>				<u>05/02/2005</u>
<u>99772</u>	<u>PROPIONITRILE IN AIR SAMPLE (NL/L)</u>	<u>PROPIONITRILE</u>	<u>nL/L</u>	<u>107120</u>				<u>05/02/2005</u>
<u>99773</u>	<u>METHACRYLONITRILE IN AIR SAMPLE (NL/L)</u>	<u>MTHACRYLONITRILE</u>	<u>nL/L</u>	<u>126987</u>				<u>05/02/2005</u>
<u>99774</u>	<u>ISOBUTYL ALCOHOL IN AIR SAMPLE (NL/L)</u>	<u>ISOBUTYL ALCOHOL</u>	<u>nL/L</u>	<u>78831</u>				<u>05/02/2005</u>
<u>99775</u>	<u>METHYL METHACRYLATE IN AIR SAMPLE (NL/L)</u>	<u>MTHLMETHACRYLATE</u>	<u>nL/L</u>	<u>80626</u>				<u>05/02/2005</u>
<u>99776</u>	<u>2-CHLOROETHYL VINYL ETHER IN AIR SAMPLE (NL/L)</u>	<u>2CHLRETHVNLETER</u>	<u>nL/L</u>	<u>110758</u>				<u>05/02/2005</u>
<u>99777</u>	<u>ETHYL METHACRYLATE IN AIR SAMPLE (NL/L)</u>	<u>ETHLMETHACRYLATE</u>	<u>nL/L</u>	<u>97632</u>				<u>05/02/2005</u>

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99778	<u>TRANS-1,4-DICHLORO-2-BUTENE IN AIR SAMPLE (NL/L)</u>	<u>T14DICHLR2BUTENE</u>	<u>nL/L</u>	<u>110576</u>				05/02/2005
77637	<u>2,5-DINITROTOLUENE IN WHOLE WATER SAMPLE (UG/L)</u>	<u>25DINITROTOLUENE</u>	<u>ug/L</u>	<u>619158</u>				06/29/2006
77632	<u>3,5-DINITROTOLUENE IN WHOLE WATER SAMPLE (UG/L)</u>	<u>35DINITROTOLUENE</u>	<u>ug/L</u>	<u>618859</u>				06/29/2006
39770	DACTHAL (DCPA) IN WHOLE WATER SAMPLE (<u>UG/L</u>)	DACTHAL (DCPA)	<u>ug/L</u>	1861321	<u>14</u>		<u>70</u>	01/09/2007
81410	BUTYLATE IN WHOLE WATER SAMPLE (UG/L)	BUTYLATE	ug/L	2008415	<u>80</u>		<u>400</u>	01/09/2007
01060	MOLYBDENUM, DISSOLVED (UG/L MO)	MOLYBDENM(MO)DIS	ug/L	7439987	<u>8</u>		<u>40</u>	01/09/2007
01062	MOLYBDENUM, TOTAL (<u>UG/L</u> MO)	MOLYBDENM(MO)TOT	<u>ug/L</u>	7439987	<u>8</u>		<u>40</u>	01/09/2007
34696	NAPHTHALENE IN WHOLE WATER SAMPLE (UG/L)	NAPHTHALENE	ug/L	91203	<u>10</u>		<u>100</u>	01/09/2007
99848	<u>BALANCE GAS(OTHER THAN CO2,CH4&O2)IN AIR SMPL,VOL%</u>	<u>BALANCE GAS VOL%</u>	<u>%</u>					05/14/2007
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	NO2-N, DISS	mg/L	<u>14797650</u>	0.2		1	06/19/2007
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	NO2-N, TOTAL	mg/L	<u>14797650</u>	0.2		1	06/19/2007
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	NO3-N, DISS	mg/L	<u>14797558</u>	2		10	06/19/2007
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	NO3-N, TOTAL	mg/L	<u>14797558</u>	2		10	06/19/2007
85795	XYLENE, M & P-, IN WHOLE WATER SAMPLE (UG/L)	M & P-XYLENE	ug/L	<u>179601231</u>	<u>400</u>		<u>2000</u>	01/14/2011
99014	XYLENE, M & P-, IN AIR SAMPLE (NL/L)	M & P-XYLENE	nL/L	<u>179601231</u>				06/20/2007
99727	2,4,6-TRIBROMOPHENOL, SURROGATE RECOVERY	2,4,6-TBP	ug/L	118796				06/25/2007
99728	2-FLUOROBIPHENYL, SURROGATE RECOVERY	2-FBP	ug/L	321608				06/25/2007
99729	2-FLUOROPHENOL, SURROGATE RECOVERY	2-FLUORO	ug/L	367124				06/25/2007
99730	4-BROMOFLUOROBENZENE, SURROGATE RECOVERY	4-BFB-SUR	ug/L	460004				06/25/2007
99731	PHENOL-D5, SURROGATE RECOVERY	PHENOL-5	ug/L	13127883				06/25/2007
99732	DIBROMOFLUOROMETHANE, SURROGATE RECOVERY	SUR-DBMFM	ug/L	1868537				06/25/2007

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99733	TERPHENYL - D14, SURROGATE RECOVERY	TERPHENYL	ug/L	1718510				06/25/2007
99734	TOULUENE-D8, SURROGATE RECOVERY	TOLUENE-D8-SUR	ug/L	2037265				06/25/2007
99735	DITROBENZENE-D5, SURROGATE RECOVERY	D-5NB	ug/L	4165600				06/25/2007
77871	TETRAETHYLDITHIOPYROPHOSPHATE WHL WTR SAMP (UG/L)	SULFOTEPP	ug/L	3689245				07/26/2007
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	AIR TEMP	F					09/04/2007
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	PRECIP,TOT,DAILY	in					09/04/2007
99919	ELEVATION,GRNDWTR,BARO PRESS CORRCTD(FT ABOVE MSL)	GWELEVCRRCTD,MSL	ft					09/04/2007
99920	TEMPERATURE, SOIL, AT 2 CM DEPTH (DEGREES F)	TEMPSOIL2CMDEEP	F					09/04/2007
99921	TEMPERATURE, SOIL, AT 10 CM DEPTH (DEGREES F)	TEMPSOIL10CMDEEP	F					09/04/2007
99922	TEMPERATURE, SOIL, AT 20 CM DEPTH (DEGREES F)	TEMPSOIL20CMDEEP	F					09/04/2007
99923	TEMPERATURE, SOIL, AT 40 CM DEPTH (DEGREES F)	TEMPSOIL40CMDEEP	F					09/04/2007
99924	TEMPERATURE, SOIL, AT 80 CM DEPTH (DEGREES F)	TEMPSOIL80CMDEEP	F					09/04/2007
00014	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	AIR TEMP	F					09/10/2007
71875	HYDROGEN SULFIDE (H2S) IN WHOLE WATER SAMPLE (MG/L H2S)	HYDROGEN SULFIDE	mg/L	7783064	0		0.03	09/27/2007
99243	SULFUR,TOTAL REDUCED(TRS)IN AIR SAMPLE(PPMV AS S)	TRS (PPMV AS S)	ppmv as S					10/01/2007
99252	SULFUR,TOTAL REDUCED(TRS)IN AIR SAMPLE(PPMV AS SO2)	TRS (PPMV AS SO2)	ppmv asSO2					11/01/2007
00441	SULFUR, TOTAL ELEMENTAL IN WHOLE WATER SAMPL(MG/L)	SULFUR,TOTL ELEM	mg/L	7704349				11/02/2007
80107	SULFUR, TOTAL ELEMENTAL (MG/L)	SULFUR(S), TOTAL	mg/L	7704349				11/05/2007
99797	PENTAERYTHRITOL TETRANITRATE IN WHL WTR SMPL(UG/L)	PETN	ug/L	78115				12/03/2007
99098	GAS FLOW RATE (CUBIC FEET/MIN)	GAS FLOW RATE	ft^3/min					12/19/2007
77032	METHYL ACETATE IN WHOLE WATER SAMPLE (UG/L)	METHYL ACETATE	ug/L	79209				01/08/2008

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99396	<u>CRESOL, M & P-, IN WHOLE WATER SAMPLE (UG/L)</u>	<u>M & P-CRESOL</u>	<u>ug/L</u>	<u>15831104</u>				01/22/2008
99707	<u>ALACHLOR ETHANESULFONIC ACID IN WHL WTR SMPL(UG/L)</u>	<u>ALACHLOR ESA</u>	<u>ug/L</u>	<u>142363539</u>	<u>4</u>	<u>20</u>		02/05/2008
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	PRECIP,TOT,DAILY	in/d					02/20/2008
99599	<u>GAS EXTRACTED, TOTAL MONTHLY VOLUME(CU FEET/MONTH)</u>	<u>GAS VOL EXTRACTD</u>	<u>ft^3/month</u>					03/18/2010
99870	<u>PRECIPITATION, VOLUME (1000 GALLONS/MONTH)</u>	<u>PRECIP, VOLUME</u>	<u>kgal/month</u>					03/17/2008
99920	TEMPERATURE, SOIL, AT 2 CM DEPTH (DEGREES F)	TEMPSOIL2CMDEEP	F					03/26/2008
99921	TEMPERATURE, SOIL, AT 10 CM DEPTH (DEGREES F)	TEMPSOIL10CMDEEP	F					03/26/2008
99922	TEMPERATURE, SOIL, AT 20 CM DEPTH (DEGREES F)	TEMPSOIL20CMDEEP	F					03/26/2008
99923	TEMPERATURE, SOIL, AT 40 CM DEPTH (DEGREES F)	TEMPSOIL40CMDEEP	F					03/26/2008
99924	TEMPERATURE, SOIL, AT 80 CM DEPTH (DEGREES F)	TEMPSOIL80CMDEEP	F					03/26/2008
46311	<u>MOISTURE, SOIL (PERCENT, DRY WEIGHT BASIS)</u>	<u>SOIL MOISTURE %</u>	<u>%</u>					03/27/2008
99607	<u>TEMPERATURE, SOIL (DEGREES F)</u>	<u>SOIL TEMP DEG F</u>	<u>F</u>					03/27/2008
77189	N-BUTYL ACETATE IN WHOLE WATER SAMPLE (UG/L)	<u>N-BUTYL-ACETATE_WTR</u>	<u>ug/L</u>	<u>123864</u>				07/24/2008
99019	<u>NONANE IN AIR SAMPLE (NL/L)</u>	<u>NONANE</u>	<u>nL/L</u>	<u>111842</u>				07/24/2008
99255	<u>OCTANE IN AIR SAMPLE (NL/L)</u>	<u>OCTANE</u>	<u>nL/L</u>	<u>111659</u>				07/24/2008
99263	<u>ALPHA-PINENE IN AIR SAMPLE (NL/L)</u>	<u>ALPHA-PINENE</u>	<u>nL/L</u>	<u>80568</u>				07/24/2008
99974	<u>ETHYL ACETATE IN AIR SAMPLE (NL/L)</u>	<u>ETHYL ACETATE</u>	<u>nL/L</u>	<u>141786</u>				07/24/2008
99608	<u>N-BUTYL ACETATE IN AIR SAMPLE (NL/L)</u>	<u>BUTYLACETATE AIR</u>	<u>nL/L</u>	<u>123864</u>				07/28/2008
99922	<u>D-LIMONENE IN AIR SAMPLE (NL/L)</u>	<u>D-LIMONENE</u>	<u>nL/L</u>	<u>5989275</u>				07/28/2008
73553	<u>O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE</u> THIONAZIN IN THIONAZIN		ug/L	297972				10/09/2009
98927	<u>GAS EXTRACTED, TOTAL MONTHLY VOLUME(1000CU FT/MONTH)</u>	<u>GAS VOL EXTRACTD</u>	<u>kft^3/mnth</u>					01/04/2010

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<u>46386</u>	<u>GAS FLOW RATE (CUBIC FEET/MIN)</u>	<u>GAS FLOW RATE</u>	<u>ft^3/min</u>	<u>7440473</u>				<u>02/08/2010</u>
<u>46384</u>	<u>GAS PUMPED, VOLUME (CUBIC FEET/MIN)</u>	<u>GAS VOL PUMPED</u>	<u>ft^3/min</u>					<u>03/23/2010</u>
<u>98438</u>	<u>TOTAL MERCURY IN AIR AS HG (NL/L)</u>	<u>MERCURY IN AIR</u>	<u>NL/L</u>	<u>7439-97-6</u>				<u>07/12/2010</u>
03784	HEXACHLORODIBENZO-P-DIOXINS, TOTAL <u>(PG/L)</u>	HXCDDIOXINSTOTAL	<u>µpg/L</u>	34465468				11/09/2010
34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN <u>W-W-S (µPG/L)</u>	2378TCDD(DIOXIN)	<u>µpg/L</u>	1746016	<u>3</u>		<u>30</u>	11/09/2010
76025	POLYCHLORINATED DIBENZO-P-DIOXINS, <u>TOTAL (µPG/L)</u>	<u>POLYCHLRDDIOXINS, TOT,</u>	<u>µpg/L</u>	136677093				11/09/2010
99313	1,2,3,4-TETRACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	1234TCDDIOXIN	<u>µpg/L</u>	30746588				11/09/2010
99314	1,2,7,8-TETRACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	1278TCDDIOXIN	<u>µpg/L</u>	<u>34816530</u>				11/09/2010
99315	1,2,8,9-TETRACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	1289TCDDIOXIN	<u>µpg/L</u>	<u>62470546</u>				11/09/2010
99316	1,3,6,8-TETRACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	1368TCDDIOXIN	<u>µpg/L</u>	33423926				11/09/2010
99317	1,3,7,8-TETRACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	1378TCDDIOXIN	<u>µpg/L</u>	50585461				11/09/2010
99318	1,3,7,9-TETRACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	1379TCDDIOXIN	<u>µpg/L</u>	<u>62470535</u>				11/09/2010
99319	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	12378PECDDIOXIN	<u>µpg/L</u>	40321764				11/09/2010
99320	1,2,4,7,8-PENTACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	12478PECDDIOXIN	<u>µpg/L</u>	<u>58802087</u>				11/09/2010
99321	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	123478HXCDDIOXIN	<u>µpg/L</u>	39227286				11/09/2010
99322	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	1234678HPCDDIOXN	<u>µpg/L</u>	35822469				11/09/2010
99323	1,2,3,4,6,7,9-HEPTACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	1234679HPCDDIOXN	<u>µpg/L</u>	58200707				11/09/2010
99324	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN <u>(OCDDPG/L)</u>	12346789OCDDIOXN	<u>µpg/L</u>	3268879				11/09/2010
99325	1,2,3,4-TETRACHLORODIBENZOFURAN <u>(PG/L)</u>	1234TCDFURAN	<u>µpg/L</u>	24478726				11/09/2010
99326	1,2,6,8-TETRACHLORODIBENZOFURAN <u>(PG/L)</u>	1268TCDFURAN	<u>µpg/L</u>					11/09/2010
99327	1,2,7,8-TETRACHLORODIBENZOFURAN <u>(PG/L)</u>	1278TCDFURAN	<u>µpg/L</u>	58802203				11/09/2010

GEMS Parm#	Parameter Description	Parm Abbrev.	Units	CAS#	PAL	ENF	STD	Date Changed
99328	1,3,6,8-TETRACHLORODIBENZOFURAN <u>(PG/L)</u>	1368TCDFURAN	µpg/L	71998726				11/09/2010
99329	1,2,8,9-TETRACHLORODIBENZOFURAN <u>(PG/L)</u>	1289TCDFURAN	µpg/L					11/09/2010
99330	2,3,7,8-TETRACHLORODIBENZOFURAN <u>(PG/L)</u>	2378TCDFURAN	µpg/L	51207319				11/09/2010
99331	1,2,3,7,8-PENTACHLORODIBENZOFURAN <u>(PG/L)</u>	12378PECDFURAN	µpg/L	57117416				11/09/2010
99332	1,2,3,8,9-PENTACHLORODIBENZOFURAN <u>(PG/L)</u>	12389PECDFURAN	µpg/L					11/09/2010
99333	1,3,4,6,8-PENTACHLORODIBENZOFURAN <u>(PG/L)</u>	13468PECDFURAN	µpg/L					11/09/2010
99334	1,2,3,4,6,8-HEXACHLORODIBENZOFURAN <u>(PG/L)</u>	123468HXCDFURAN	µpg/L					11/09/2010
99335	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN <u>(PG/L)</u>	123478HXCDFURAN	µpg/L	70648269				11/09/2010
99336	1,2,3,4,8,9-HEXACHLORODIBENZOFURAN <u>(PG/L)</u>	123489HXCDFURAN	µpg/L					11/09/2010
99337	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN <u>(PG/L)</u>	1234678HPCDFURAN	µpg/L	67562394				11/09/2010
99338	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN <u>(PG/L)</u>	1234789HPCDFURAN	µpg/L	55673897				11/09/2010
99339	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN <u>(OGDFPG/L)</u>	12346789OCDFURAN	µpg/L	39001020				11/09/2010
99547	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	123678HXCDDIOXIN	µpg/L	57653857				11/09/2010
99548	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN <u>(PG/L)</u>	123678HXCDFURAN	µpg/L	57117449				11/09/2010
99549	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN <u>(PG/L)</u>	123789HXCDDIOXIN	µpg/L	19408743				11/09/2010
99550	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN <u>(PG/L)</u>	123789HXCDFURAN	µpg/L	72918219				11/09/2010
99551	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN <u>(PG/L)</u>	234678HXCDFURAN	µpg/L	60851345				11/09/2010
99552	2,3,4,7,8-PENTACHLORODIBENZOFURAN <u>(PG/L)</u>	23478PECDFURAN	µpg/L	57117314				11/09/2010
99553	HEPTACHLORODIBENZO-P-DIOXINS, TOTAL <u>(PG/L)</u>	HPCDDIOXINSTOTAL	µpg/L	37871004				11/09/2010
99554	HEPTACHLORODIBENZOFURANS, TOTAL <u>(PG/L)</u>	HPCDFURANS,TOTAL	µpg/L	38998753				11/09/2010
99555	HEXACHLORODIBENZOFURANS, TOTAL <u>(PG/L)</u>	HXCDFURANS,TOTAL	µpg/L	55684941				11/09/2010

GEMS Parm#	Parameter Description	Parm Abbrev.	Units	CAS#	PAL	ENF	STD	Date Changed
99556	PENTACHLORODIBENZO-P-DIOXINS, TOTAL (PG/L)	PECDDIOXINSTOTAL	µpg/L	36088229				11/09/2010
99557	PENTACHLORODIBENZOFURANS, TOTAL (PG/L)	PECDFURANS,TOTAL	µpg/L	30402154				11/09/2010
99558	TETRACHLORODIBENZO-P-DIOXINS, TOTAL (PG/L)	TCDDIOXINS,TOTAL	µpg/L	41903575				11/09/2010
99559	TETRACHLORODIBENZOFURANS, TOTAL (PG/L)	TCDFURANS, TOTAL	µpg/L	30402143				11/09/2010
34561	1,3-DICHLOROPROPENE, DISS IN WHL WTR SAMPLE (UG/L)	13DICHLOROPROPEN	ug/L	542756	0		0.4	11/09/2010
39516	PCBS IN WHOLE WATER SAMPLE (MUG/L)	PCBS	µug/L	1336363	0		0.03	04/27/2011
01055 & 01056	<p>Effective January 1, 2011, NR 140 was revised. Fifteen new state groundwater quality standards were added and 15 existing standards were revised (although not all of the substances are required by GEMS). Make sure you have an updated copy of NR 140. All of the GEMS parameter code tables available in Appendix III of <i>Procedures for Preparing and Submitting Landfill Environmental Monitoring Data</i> have been updated to include the new substances and the revised enforcement standards (ES) and preventive action limits (PAL).</p> <p><u>Of special note about the NR140 revision:</u> A public health-based (Table 1) ES of 300 ppb and a PAL of 60 ppb for Manganese were established. The previous welfare-based (Table 2) ES (50 ppb) and PAL (25 ppb) remain in effect. So there are now two standards in NR 140 for Manganese. Manganese is the only NR140 parameter reportable to GEMS included on both tables.</p> <p><u>How to report ES and PALS to GEMS for Manganese (Mn):</u> GEMS is not designed to distinguish whether the ES or PAL for Mn originates from NR140 Table 1 or 2. However, data submitters need not be concerned about this but need only to report the exceeded result value for Mn to GEMS and whether it was an ES or PAL regardless of which Table (1 or 2) the exceedance came from. The type of exceedance (ES or PAL) and table (Health or Welfare) will be evident to the data reviewer based on the result value. You may wish to review the Mn standards listed below to confirm for yourself why this would be evident:</p> <p>Public Welfare PAL (PW PAL) = 25 ppb Public Welfare ES (PW ES) = 50 ppb Public Health PAL (PH PAL) = 60 ppb Public Health ES (PH ES) = 300 ppb</p> <p>Result = < 25 ppb.....No standards apply. 25 - 49 ppb.....PW PAL 50 - 59 ppb.....PW ES & PW PAL 60 - 299 ppb.....PH PAL & PW ES & PW PAL >299 ppb.....PH ES & PH PAL & PW ES & PW PAL</p>							01/01/2011